| Formula | temperature (K) | seebeck coefficient (μV/K) | electrical conductivity (S/m) | thermal conductivity (W/mK) | power factor ($W/mK^2$) | ZT | reference |
|---|---|---|---|---|---|---|---|
| BiSb(Se0.92Br0.08)3 | 300 | -110 | 27766 | 0.63 | 0.00034 | 0.16 | 10.1002/adfm.201806558 |
| BiSb(Se0.92Br0.08)3 | 400 | -138 | 23883 | 0.57 | 0.00045 | 0.32 | 10.1002/adfm.201806558 |
| BiSb(Se0.92Br0.08)3 | 500 | -163 | 20850 | 0.53 | 0.00055 | 0.52 | 10.1002/adfm.201806558 |
| BiSb(Se0.92Br0.08)3 | 600 | -181 | 19000 | 0.51 | 0.00062 | 0.73 | 10.1002/adfm.201806558 |
| BiSb(Se0.92Br0.08)3 | 700 | -193 | 17925 | 0.50 | 0.00067 | 0.94 | 10.1002/adfm.201806558 |
| BiSb(Se0.92Br0.08)3 | 800 | -203 | 17340 | 0.44 | 0.00071 | 1.30 | 10.1002/adfm.201806558 |
| BiSb(Se0.94Br0.06)3 | 300 | -112 | 26117 | 0.64 | 0.00033 | 0.15 | 10.1002/adfm.201806558 |
| BiSb(Se0.94Br0.06)3 | 400 | -141 | 22500 | 0.57 | 0.00045 | 0.31 | 10.1002/adfm.201806558 |
| BiSb(Se0.94Br0.06)3 | 500 | -169 | 19362 | 0.53 | 0.00055 | 0.52 | 10.1002/adfm.201806558 |
| BiSb(Se0.94Br0.06)3 | 600 | -186 | 17500 | 0.51 | 0.00061 | 0.71 | 10.1002/adfm.201806558 |
| BiSb(Se0.94Br0.06)3 | 700 | -203 | 16277 | 0.50 | 0.00067 | 0.94 | 10.1002/adfm.201806558 |
| BiSb(Se0.94Br0.06)3 | 800 | -219 | 15479 | 0.44 | 0.00074 | 1.35 | 10.1002/adfm.201806558 |
| BiSb(Se0.96Br0.04)3 | 300 | -100 | 21000 | 0.65 | 0.00021 | 0.12 | 10.1002/adfm.201806558 |
| BiSb(Se0.96Br0.04)3 | 400 | -141 | 19000 | 0.59 | 0.00038 | 0.28 | 10.1002/adfm.201806558 |
| BiSb(Se0.96Br0.04)3 | 500 | -169 | 16436 | 0.55 | 0.00047 | 0.43 | 10.1002/adfm.201806558 |
| BiSb(Se0.96Br0.04)3 | 600 | -192 | 14630 | 0.53 | 0.00054 | 0.63 | 10.1002/adfm.201806558 |
| BiSb(Se0.96Br0.04)3 | 700 | -213 | 13298 | 0.50 | 0.00060 | 0.84 | 10.1002/adfm.201806558 |
| BiSb(Se0.96Br0.04)3 | 800 | -228 | 12500 | 0.45 | 0.00065 | 1.16 | 10.1002/adfm.201806558 |
| BiSb(Se0.98Br0.02)3 | 300 | -109 | 21915 | 0.68 | 0.00026 | 0.12 | 10.1002/adfm.201806558 |
| BiSb(Se0.98Br0.02)3 | 400 | -147 | 19362 | 0.61 | 0.00042 | 0.27 | 10.1002/adfm.201806558 |
| BiSb(Se0.98Br0.02)3 | 500 | -173 | 16702 | 0.58 | 0.00050 | 0.42 | 10.1002/adfm.201806558 |
| BiSb(Se0.98Br0.02)3 | 600 | -190 | 15000 | 0.56 | 0.00054 | 0.58 | 10.1002/adfm.201806558 |
| BiSb(Se0.98Br0.02)3 | 700 | -208 | 13776 | 0.53 | 0.00060 | 0.79 | 10.1002/adfm.201806558 |
| BiSb(Se0.98Br0.02)3 | 800 | -229 | 12128 | 0.48 | 0.00064 | 1.06 | 10.1002/adfm.201806558 |
| Cu2.025Cd0.975SnSe4 | 300 | 173 | 5362 | 2.67 | 0.00016 | 0.02 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 350 | 176 | 5862 | 2.24 | 0.00018 | 0.03 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 400 | 179 | 6175 | 1.88 | 0.00020 | 0.04 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 450 | 183 | 6552 | 1.56 | 0.00022 | 0.06 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 500 | 186 | 6793 | 1.31 | 0.00024 | 0.09 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 550 | 191 | 7069 | 1.13 | 0.00026 | 0.13 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 600 | 195 | 6879 | 0.99 | 0.00026 | 0.16 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 650 | 200 | 6448 | 0.85 | 0.00026 | 0.20 | 10.1002/adma.200900409 |
| Cu2.025Cd0.975SnSe4 | 700 | 204 | 6259 | 0.75 | 0.00026 | 0.24 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 300 | 142 | 10750 | 2.34 | 0.00022 | 0.03 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 350 | 143 | 12135 | 1.95 | 0.00025 | 0.04 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 400 | 145 | 13595 | 1.68 | 0.00029 | 0.07 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 450 | 147 | 16236 | 1.39 | 0.00035 | 0.11 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 500 | 152 | 18427 | 1.15 | 0.00043 | 0.19 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 550 | 156 | 18258 | 0.96 | 0.00044 | 0.25 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 600 | 161 | 16910 | 0.83 | 0.00044 | 0.31 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 650 | 165 | 15510 | 0.70 | 0.00042 | 0.39 | 10.1002/adma.200900409 |
| Cu2.05Cd0.95SnSe4 | 700 | 171 | 14330 | 0.61 | 0.00042 | 0.48 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 300 | 130 | 20517 | 2.05 | 0.00034 | 0.05 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 350 | 132 | 21034 | 1.71 | 0.00037 | 0.07 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 400 | 135 | 22184 | 1.45 | 0.00040 | 0.11 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 450 | 139 | 23908 | 1.22 | 0.00046 | 0.17 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 500 | 141 | 25517 | 1.01 | 0.00051 | 0.25 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 550 | 144 | 24080 | 0.83 | 0.00050 | 0.33 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 600 | 148 | 21900 | 0.72 | 0.00048 | 0.40 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 650 | 151 | 20100 | 0.60 | 0.00046 | 0.50 | 10.1002/adma.200900409 |
| Cu2.1Cd0.9SnSe4 | 700 | 157 | 18960 | 0.50 | 0.00047 | 0.65 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 300 | 236 | 2431 | 2.78 | 0.00014 | 0.01 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 350 | 238 | 2741 | 2.35 | 0.00016 | 0.02 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 400 | 242 | 3138 | 2.02 | 0.00018 | 0.04 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 450 | 245 | 3328 | 1.74 | 0.00020 | 0.05 | 10.1002/adma.200900409 |

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|---|---|---|---|---|---|---|---|
| Cu2CdSnSe4 | 500 | 251 | 3466 | 1.52 | 0.00022 | 0.07 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 550 | 262 | 3465 | 1.37 | 0.00024 | 0.10 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 600 | 275 | 3450 | 1.25 | 0.00026 | 0.13 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 650 | 286 | 3328 | 1.12 | 0.00027 | 0.16 | 10.1002/adma.200900409 |
| Cu2CdSnSe4 | 700 | 297 | 3103 | 1.01 | 0.00027 | 0.19 | 10.1002/adma.200900409 |
| In4Se2.32Cl0.03 | 323 | -213 | 31000 | 1.25 | 0.00141 | 0.37 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 698 | -311 | 10860 | 0.71 | 0.00105 | 1.04 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 373 | -228 | 27400 | 1.09 | 0.00142 | 0.49 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 423 | -246 | 23400 | 0.99 | 0.00141 | 0.60 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 473 | -257 | 19471 | 0.91 | 0.00128 | 0.67 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 523 | -270 | 16390 | 0.82 | 0.00119 | 0.76 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 598 | -293 | 12460 | 0.74 | 0.00107 | 0.86 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 623 | -297 | 12000 | 0.74 | 0.00106 | 0.89 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 648 | -302 | 11516 | 0.73 | 0.00105 | 0.93 | 10.1002/adma.201004739 |
| In4Se2.32Cl0.03 | 673 | -306 | 11180 | 0.72 | 0.00105 | 0.97 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 323 | -103 | 105263 | 0.88 | 0.00112 | 0.41 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 423 | -137 | 71050 | 0.74 | 0.00134 | 0.76 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 473 | -151 | 50000 | 0.68 | 0.00156 | 0.79 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 523 | -165 | 40910 | 0.66 | 0.00117 | 0.88 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 573 | -179 | 33333 | 0.62 | 0.00108 | 1.00 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 598 | -193 | 31890 | 0.62 | 0.00119 | 1.15 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 623 | -203 | 30451 | 0.61 | 0.00125 | 1.27 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 648 | -208 | 29137 | 0.60 | 0.00126 | 1.36 | 10.1002/adma.201004739 |
| In4Se2.67Cl0.03 | 698 | -219 | 26300 | 0.58 | 0.00126 | 1.53 | 10.1002/adma.201004739 |
| In3.94Pb0.06Se3 | 330 | -200 | 7300 | 1.52 | 0.00029 | 0.06 | 10.1002/adma.201302038 |
| In3.94Pb0.06Se3 | 405 | -220 | 7800 | 1.35 | 0.00038 | 0.11 | 10.1002/adma.201302038 |
| In3.94Pb0.06Se3 | 480 | -256 | 8700 | 1.22 | 0.00057 | 0.22 | 10.1002/adma.201302038 |
| In3.94Pb0.06Se3 | 518 | -256 | 8100 | 1.17 | 0.00053 | 0.23 | 10.1002/adma.201302038 |
| In3.95Pb0.05Se3 | 330 | -207 | 5150 | 1.06 | 0.00022 | 0.07 | 10.1002/adma.201302038 |
| In3.95Pb0.05Se3 | 405 | -230 | 7500 | 0.93 | 0.00040 | 0.17 | 10.1002/adma.201302038 |
| In3.95Pb0.05Se3 | 480 | -242 | 11200 | 0.86 | 0.00066 | 0.37 | 10.1002/adma.201302038 |
| In3.95Pb0.05Se3 | 518 | -259 | 10900 | 0.81 | 0.00073 | 0.47 | 10.1002/adma.201302038 |
| In3.96Pb0.04Se3 | 330 | -192 | 7000 | 1.24 | 0.00026 | 0.07 | 10.1002/adma.201302038 |
| In3.96Pb0.04Se3 | 405 | -221 | 8700 | 1.04 | 0.00042 | 0.17 | 10.1002/adma.201302038 |
| In3.96Pb0.04Se3 | 480 | -245 | 10000 | 0.91 | 0.00060 | 0.32 | 10.1002/adma.201302038 |
| In3.96Pb0.04Se3 | 518 | -272 | 9500 | 0.86 | 0.00070 | 0.42 | 10.1002/adma.201302038 |
| In3.99Pb0.01Se3 | 330 | -206 | 10000 | 1.12 | 0.00042 | 0.13 | 10.1002/adma.201302038 |
| In3.99Pb0.01Se3 | 405 | -221 | 10700 | 0.97 | 0.00052 | 0.22 | 10.1002/adma.201302038 |
| In3.99Pb0.01Se3 | 480 | -242 | 12247 | 0.91 | 0.00072 | 0.38 | 10.1002/adma.201302038 |
| In3.99Pb0.01Se3 | 518 | -252 | 11111 | 0.88 | 0.00071 | 0.42 | 10.1002/adma.201302038 |
| Cu2Se | 410 | 85 | 55023 | 0.86 | 0.00040 | 0.19 | 10.1002/adma.201302660 |
| Cu2Se | 300 | 92 | 99586 | 0.88 | 0.00084 | 0.29 | 10.1002/adma.201302660 |
| Cu2Se | 425 | 118 | 51060 | 0.86 | 0.00071 | 0.35 | 10.1002/adma.201302660 |
| Cu2Se | 350 | 101 | 87320 | 0.80 | 0.00090 | 0.39 | 10.1002/adma.201302660 |
| Cu2Se | 450 | 126 | 47255 | 0.86 | 0.00075 | 0.39 | 10.1002/adma.201302660 |
| Cu2Se | 359 | 104 | 82534 | 0.73 | 0.00090 | 0.44 | 10.1002/adma.201302660 |
| Cu2Se | 365 | 107 | 76750 | 0.67 | 0.00089 | 0.48 | 10.1002/adma.201302660 |
| Cu2Se | 375 | 115 | 64785 | 0.54 | 0.00085 | 0.59 | 10.1002/adma.201302660 |
| Cu2Se | 385 | 127 | 52850 | 0.38 | 0.00086 | 0.86 | 10.1002/adma.201302660 |
| Cu2Se | 400 | 167 | 40986 | 0.20 | 0.00114 | 2.28 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 300 | 145 | 15720 | 0.47 | 0.00033 | 0.21 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 385 | 180 | 10760 | 0.51 | 0.00035 | 0.27 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 400 | 186 | 10472 | 0.52 | 0.00036 | 0.28 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 410 | 190 | 10278 | 0.52 | 0.00037 | 0.29 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 425 | 198 | 9940 | 0.52 | 0.00039 | 0.32 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 375 | 175 | 10900 | 0.39 | 0.00033 | 0.33 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 450 | 209 | 9353 | 0.52 | 0.00041 | 0.35 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 365 | 155 | 10657 | 0.25 | 0.00026 | 0.38 | 10.1002/adma.201302660 |

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|---|---|---|---|---|---|---|---|
| Cu2Se0.92I0.08 | 350 | 175 | 11446 | 0.26 | 0.00035 | 0.48 | 10.1002/adma.201302660 |
| Cu2Se0.92I0.08 | 359 | 191 | 8986 | 0.14 | 0.00033 | 0.84 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 300 | 85 | 64438 | 0.74 | 0.00046 | 0.19 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 385 | 94 | 40986 | 0.64 | 0.00036 | 0.22 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 400 | 112 | 41410 | 0.79 | 0.00052 | 0.26 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 410 | 116 | 40864 | 0.79 | 0.00055 | 0.28 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 425 | 121 | 39380 | 0.79 | 0.00058 | 0.31 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 450 | 129 | 36963 | 0.79 | 0.00062 | 0.35 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 350 | 106 | 47628 | 0.50 | 0.00054 | 0.38 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 359 | 115 | 40033 | 0.41 | 0.00053 | 0.46 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 365 | 120 | 34927 | 0.35 | 0.00050 | 0.52 | 10.1002/adma.201302660 |
| Cu2Se0.96I0.04 | 375 | 134 | 27140 | 0.25 | 0.00048 | 0.74 | 10.1002/adma.201302660 |
| TmCuTe2 | 320 | 74 | 95941 | 1.58 | 0.00052 | 0.11 | 10.1002/chem.201404453 |
| TmCuTe2 | 363 | 83 | 86200 | 1.50 | 0.00060 | 0.14 | 10.1002/chem.201404453 |
| TmCuTe2 | 410 | 91 | 75267 | 1.39 | 0.00063 | 0.19 | 10.1002/chem.201404453 |
| TmCuTe2 | 457 | 103 | 66864 | 1.32 | 0.00070 | 0.24 | 10.1002/chem.201404453 |
| TmCuTe2 | 503 | 110 | 57326 | 1.18 | 0.00069 | 0.30 | 10.1002/chem.201404453 |
| TmCuTe2 | 600 | 128 | 44182 | 1.16 | 0.00072 | 0.37 | 10.1002/chem.201404453 |
| TmCuTe2 | 550 | 123 | 48859 | 1.06 | 0.00074 | 0.38 | 10.1002/chem.201404453 |
| TmCuTe2 | 818 | 180 | 19177 | 0.69 | 0.00062 | 0.73 | 10.1002/chem.201404453 |
| TmCuTe2 | 720 | 175 | 23731 | 0.71 | 0.00073 | 0.74 | 10.1002/chem.201404453 |
| Ag8GeTe6 | 329 | 519 | 95 | 0.25 | 0.00003 | 0.03 | 10.1002/pssr.200701302 |
| Ag8GeTe6 | 413 | 467 | 275 | 0.27 | 0.00006 | 0.09 | 10.1002/pssr.200701302 |
| Ag8GeTe6 | 509 | 366 | 776 | 0.28 | 0.00010 | 0.19 | 10.1002/pssr.200701302 |
| Ag8GeTe6 | 607 | 324 | 1760 | 0.31 | 0.00018 | 0.37 | 10.1002/pssr.200701302 |
| Ag8GeTe6 | 703 | 278 | 3000 | 0.34 | 0.00023 | 0.48 | 10.1002/pssr.200701302 |
| YbSi2 | 522 | -37 | 620500 | 10.40 | 0.00084 | 0.04 | 10.1002/pssr.201700372 |
| YbSi2 | 475 | -40 | 641000 | 9.93 | 0.00101 | 0.05 | 10.1002/pssr.201700372 |
| YbSi2 | 426 | -44 | 671200 | 9.50 | 0.00128 | 0.06 | 10.1002/pssr.201700372 |
| YbSi2 | 377 | -46 | 700000 | 9.15 | 0.00149 | 0.06 | 10.1002/pssr.201700372 |
| YbSi2 | 330 | -51 | 730100 | 8.76 | 0.00190 | 0.07 | 10.1002/pssr.201700372 |
| YbSi2 | 300 | -53 | 747000 | 8.60 | 0.00207 | 0.07 | 10.1002/pssr.201700372 |
| Sr0.11Ba0.18Co4Sb12.09 | 300 | -96 | 401852 | 4.64 | 0.00370 | 0.24 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 350 | -105 | 367593 | 4.45 | 0.00405 | 0.32 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 400 | -115 | 334722 | 4.25 | 0.00443 | 0.42 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 450 | -123 | 309722 | 4.16 | 0.00469 | 0.51 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 500 | -130 | 288636 | 4.06 | 0.00488 | 0.60 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 550 | -137 | 271364 | 4.00 | 0.00509 | 0.70 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 600 | -144 | 256018 | 3.93 | 0.00531 | 0.81 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 650 | -149 | 242593 | 3.90 | 0.00539 | 0.90 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 700 | -154 | 231818 | 3.87 | 0.00550 | 0.99 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 750 | -158 | 222273 | 3.90 | 0.00555 | 1.07 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 800 | -161 | 213636 | 3.93 | 0.00554 | 1.13 | 10.1007/s00339-010-5711-3 |
| Sr0.11Ba0.18Co4Sb12.09 | 850 | -166 | 206818 | 3.97 | 0.00570 | 1.22 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 300 | -116 | 296818 | 4.05 | 0.00399 | 0.30 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 350 | -126 | 273182 | 3.90 | 0.00434 | 0.39 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 400 | -136 | 249091 | 3.74 | 0.00461 | 0.49 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 450 | -145 | 225455 | 3.63 | 0.00474 | 0.59 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 500 | -154 | 210455 | 3.50 | 0.00499 | 0.71 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 550 | -161 | 196364 | 3.45 | 0.00509 | 0.81 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 600 | -168 | 185455 | 3.40 | 0.00523 | 0.92 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 650 | -175 | 175909 | 3.40 | 0.00539 | 1.03 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 700 | -180 | 168182 | 3.41 | 0.00545 | 1.12 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 750 | -184 | 160000 | 3.46 | 0.00542 | 1.17 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 800 | -188 | 155909 | 3.50 | 0.00551 | 1.26 | 10.1007/s00339-010-5711-3 |
| Sr0.16Yb0.03Co4Sb11.82 | 850 | -189 | 152273 | 3.62 | 0.00544 | 1.28 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 300 | -126 | 240000 | 4.87 | 0.00381 | 0.23 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 350 | -136 | 217727 | 4.58 | 0.00403 | 0.31 | 10.1007/s00339-010-5711-3 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sr0.21Co4Sb12.25 | 400 | -147 | 195454 | 4.29 | 0.00422 | 0.39 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 450 | -156 | 178636 | 4.11 | 0.00435 | 0.48 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 500 | -162 | 165455 | 3.92 | 0.00434 | 0.55 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 550 | -170 | 155000 | 3.80 | 0.00448 | 0.65 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 600 | -176 | 146364 | 3.68 | 0.00453 | 0.74 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 650 | -184 | 137273 | 3.65 | 0.00465 | 0.83 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 700 | -188 | 131818 | 3.62 | 0.00466 | 0.90 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 750 | -192 | 128182 | 3.65 | 0.00473 | 0.97 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 800 | -193 | 125000 | 3.68 | 0.00466 | 1.01 | 10.1007/s00339-010-5711-3 |
| Sr0.21Co4Sb12.25 | 850 | -193 | 122273 | 3.80 | 0.00455 | 1.02 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 300 | -109 | 342273 | 4.23 | 0.00407 | 0.29 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 350 | -119 | 315000 | 4.08 | 0.00446 | 0.38 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 400 | -127 | 287273 | 3.94 | 0.00463 | 0.47 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 450 | -136 | 260000 | 3.85 | 0.00481 | 0.56 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 500 | -146 | 243182 | 3.77 | 0.00518 | 0.69 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 550 | -153 | 227273 | 3.72 | 0.00532 | 0.79 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 600 | -158 | 214545 | 3.68 | 0.00536 | 0.87 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 650 | -163 | 204091 | 3.64 | 0.00542 | 0.97 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 700 | -170 | 194091 | 3.60 | 0.00561 | 1.09 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 750 | -175 | 186818 | 3.64 | 0.00572 | 1.18 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 800 | -177 | 180000 | 3.67 | 0.00564 | 1.23 | 10.1007/s00339-010-5711-3 |
| Sr0.21Yb0.03Co4Sb12.12 | 850 | -183 | 173636 | 3.70 | 0.00581 | 1.34 | 10.1007/s00339-010-5711-3 |
| Yb13CaMnSb11 | 373 | 62 | 43100 | 0.79 | 0.00017 | 0.07 | 10.1007/s11664-010-1149-9 |
| Yb13CaMnSb11 | 573 | 109 | 32400 | 0.90 | 0.00038 | 0.24 | 10.1007/s11664-010-1149-9 |
| Yb13CaMnSb11 | 773 | 154 | 25000 | 0.88 | 0.00059 | 0.47 | 10.1007/s11664-010-1149-9 |
| Yb13CaMnSb11 | 973 | 177 | 20300 | 0.83 | 0.00063 | 0.71 | 10.1007/s11664-010-1149-9 |
| Yb13CaMnSb11 | 1163 | 194 | 18482 | 0.88 | 0.00070 | 0.90 | 10.1007/s11664-010-1149-9 |
| Yb14MnSb11 | 325 | 53 | 47966 | 1.00 | 0.00013 | 0.04 | 10.1007/s11664-010-1149-9 |
| Yb14MnSb11 | 525 | 84 | 35500 | 1.06 | 0.00025 | 0.12 | 10.1007/s11664-010-1149-9 |
| Yb14MnSb11 | 725 | 118 | 27860 | 1.03 | 0.00039 | 0.27 | 10.1007/s11664-010-1149-9 |
| Yb14MnSb11 | 925 | 151 | 23069 | 0.95 | 0.00053 | 0.51 | 10.1007/s11664-010-1149-9 |
| Yb14MnSb11 | 1125 | 178 | 19632 | 0.94 | 0.00062 | 0.74 | 10.1007/s11664-010-1149-9 |
| FeVSb | 400 | -210 | 104000 | 8.26 | 0.00459 | 0.22 | 10.1007/s11664-016-4804-y |
| FeVSb | 700 | -238 | 44000 | 6.30 | 0.00249 | 0.27 | 10.1007/s11664-016-4804-y |
| FeVSb | 500 | -232 | 72000 | 7.22 | 0.00388 | 0.27 | 10.1007/s11664-016-4804-y |
| FeVSb | 600 | -235 | 52100 | 6.50 | 0.00288 | 0.28 | 10.1007/s11664-016-4804-y |
| Ca3Co3.7Ti0.3O9 | 300 | 178 | 4300 | 2.30 | 0.00014 | 0.02 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.7Ti0.3O9 | 500 | 217 | 4580 | 2.17 | 0.00022 | 0.05 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.7Ti0.3O9 | 700 | 248 | 5226 | 2.01 | 0.00032 | 0.11 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.7Ti0.3O9 | 900 | 276 | 5920 | 1.89 | 0.00045 | 0.22 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.7Ti0.3O9 | 1000 | 281 | 6050 | 1.79 | 0.00048 | 0.28 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.8Ti0.2O9 | 300 | 149 | 4967 | 2.49 | 0.00011 | 0.01 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.8Ti0.2O9 | 500 | 169 | 5305 | 2.31 | 0.00015 | 0.03 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.8Ti0.2O9 | 700 | 203 | 6054 | 2.11 | 0.00025 | 0.08 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.8Ti0.2O9 | 900 | 224 | 6472 | 1.99 | 0.00032 | 0.15 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.8Ti0.2O9 | 1000 | 239 | 6508 | 1.92 | 0.00037 | 0.19 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.9Ti0.1O9 | 300 | 131 | 5623 | 2.59 | 0.00010 | 0.01 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.9Ti0.1O9 | 500 | 149 | 5964 | 2.43 | 0.00013 | 0.03 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.9Ti0.1O9 | 700 | 178 | 6682 | 2.26 | 0.00021 | 0.07 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.9Ti0.1O9 | 900 | 206 | 7059 | 2.12 | 0.00030 | 0.13 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co3.9Ti0.1O9 | 1000 | 214 | 7100 | 2.03 | 0.00032 | 0.16 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co4O9 | 300 | 122 | 6493 | 2.87 | 0.00010 | 0.01 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co4O9 | 500 | 136 | 6826 | 2.60 | 0.00013 | 0.02 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co4O9 | 700 | 169 | 7344 | 2.40 | 0.00021 | 0.06 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co4O9 | 900 | 191 | 7576 | 2.26 | 0.00028 | 0.11 | 10.1016/j.jallcom.2010.04.055 |
| Ca3Co4O9 | 1000 | 202 | 7500 | 2.21 | 0.00031 | 0.13 | 10.1016/j.jallcom.2010.04.055 |
| Cu3Sb0.85Ge0.15S4 | 300 | 114 | 51194 | 2.18 | 0.00067 | 0.09 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.85Ge0.15S4 | 373 | 138 | 45664 | 1.79 | 0.00087 | 0.18 | 10.1021/acs.jpcc.6b09379 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Cu3Sb0.85Ge0.15S4 | 473 | 163 | 38100 | 1.41 | 0.00101 | 0.34 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.85Ge0.15S4 | 573 | 184 | 31350 | 1.18 | 0.00106 | 0.52 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.925Ge0.075S4 | 300 | 175 | 20200 | 2.04 | 0.00062 | 0.09 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.925Ge0.075S4 | 373 | 198 | 18700 | 1.56 | 0.00073 | 0.17 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.925Ge0.075S4 | 473 | 226 | 16180 | 1.19 | 0.00082 | 0.33 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.925Ge0.075S4 | 573 | 248 | 13638 | 0.96 | 0.00084 | 0.50 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.95Ge0.05S4 | 300 | 208 | 9368 | 2.00 | 0.00040 | 0.06 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.95Ge0.05S4 | 373 | 234 | 9200 | 1.54 | 0.00050 | 0.12 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.95Ge0.05S4 | 473 | 268 | 8355 | 1.13 | 0.00060 | 0.25 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.95Ge0.05S4 | 573 | 287 | 7333 | 0.87 | 0.00063 | 0.42 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.975Ge0.025S4 | 300 | 287 | 5000 | 1.92 | 0.00041 | 0.06 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.975Ge0.025S4 | 373 | 308 | 5210 | 1.51 | 0.00049 | 0.12 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.975Ge0.025S4 | 473 | 329 | 4950 | 1.05 | 0.00054 | 0.24 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.975Ge0.025S4 | 573 | 349 | 4348 | 0.80 | 0.00053 | 0.38 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9875Ge0.0125S4 | 300 | 352 | 1580 | 1.90 | 0.00020 | 0.03 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9875Ge0.0125S4 | 373 | 381 | 1922 | 1.48 | 0.00028 | 0.07 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9875Ge0.0125S4 | 473 | 404 | 2020 | 1.07 | 0.00033 | 0.15 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9875Ge0.0125S4 | 573 | 424 | 1891 | 0.81 | 0.00034 | 0.24 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9Ge0.1S4 | 300 | 150 | 28400 | 2.10 | 0.00064 | 0.09 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9Ge0.1S4 | 373 | 172 | 25800 | 1.70 | 0.00077 | 0.17 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9Ge0.1S4 | 473 | 202 | 21544 | 1.28 | 0.00088 | 0.32 | 10.1021/acs.jpcc.6b09379 |
| Cu3Sb0.9Ge0.1S4 | 573 | 227 | 17700 | 1.03 | 0.00091 | 0.51 | 10.1021/acs.jpcc.6b09379 |
| Cu3SbS4 | 300 | 670 | 89 | 1.87 | 0.00004 | 0.01 | 10.1021/acs.jpcc.6b09379 |
| Cu3SbS4 | 373 | 642 | 201 | 1.41 | 0.00008 | 0.02 | 10.1021/acs.jpcc.6b09379 |
| Cu3SbS4 | 473 | 603 | 316 | 1.02 | 0.00012 | 0.05 | 10.1021/acs.jpcc.6b09379 |
| Cu3SbS4 | 573 | 585 | 378 | 0.78 | 0.00013 | 0.10 | 10.1021/acs.jpcc.6b09379 |
| CuFe0.92In0.08S2 | 300 | -382 | 1785 | 3.44 | 0.00026 | 0.02 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.92In0.08S2 | 390 | -373 | 2220 | 2.83 | 0.00031 | 0.04 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.92In0.08S2 | 510 | -373 | 2630 | 2.04 | 0.00036 | 0.09 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.92In0.08S2 | 600 | -379 | 2507 | 1.60 | 0.00036 | 0.13 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.96In0.04S2 | 300 | -364 | 3488 | 4.23 | 0.00046 | 0.03 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.96In0.04S2 | 390 | -358 | 3916 | 3.34 | 0.00050 | 0.06 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.96In0.04S2 | 510 | -355 | 4244 | 2.38 | 0.00054 | 0.11 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.96In0.04S2 | 600 | -369 | 3640 | 1.86 | 0.00050 | 0.16 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.98In0.02S2 | 300 | -358 | 4500 | 5.20 | 0.00058 | 0.03 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.98In0.02S2 | 390 | -349 | 4715 | 4.00 | 0.00057 | 0.06 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.98In0.02S2 | 510 | -353 | 4800 | 2.74 | 0.00060 | 0.11 | 10.1021/acs.jpcc.6b10308 |
| CuFe0.98In0.02S2 | 600 | -370 | 3936 | 2.15 | 0.00054 | 0.15 | 10.1021/acs.jpcc.6b10308 |
| CuFeS2 | 300 | -362 | 5270 | 8.43 | 0.00069 | 0.02 | 10.1021/acs.jpcc.6b10308 |
| CuFeS2 | 390 | -359 | 5143 | 5.79 | 0.00066 | 0.04 | 10.1021/acs.jpcc.6b10308 |
| CuFeS2 | 510 | -362 | 4880 | 3.51 | 0.00064 | 0.09 | 10.1021/acs.jpcc.6b10308 |
| CuFeS2 | 600 | -380 | 3914 | 2.62 | 0.00057 | 0.13 | 10.1021/acs.jpcc.6b10308 |
| Mg2Cu3In3Te8 | 335 | 311 | 1483 | 3.58 | 0.00014 | 0.01 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 377 | 326 | 1620 | 2.75 | 0.00017 | 0.02 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 427 | 338 | 1793 | 2.31 | 0.00021 | 0.04 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 473 | 334 | 2275 | 2.08 | 0.00025 | 0.06 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 523 | 310 | 3345 | 1.85 | 0.00032 | 0.09 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 572 | 291 | 4862 | 1.73 | 0.00041 | 0.14 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 620 | 283 | 5950 | 1.55 | 0.00048 | 0.19 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 668 | 279 | 6690 | 1.37 | 0.00052 | 0.25 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 720 | 276 | 6965 | 1.20 | 0.00053 | 0.32 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 770 | 267 | 7700 | 1.00 | 0.00055 | 0.43 | https://doi.org/10.1021/acsaem.9b02004 |
| Mg2Cu3In3Te8 | 866 | 226 | 7730 | 0.50 | 0.00039 | 0.50 | https://doi.org/10.1021/acsaem.9b02004 |
| Cu10.5Ni0.5ZnSb4S13 | 323 | 168 | 6860 | 0.40 | 0.00019 | 0.16 | 10.1021/cm502570b |
| Cu10.5Ni0.5ZnSb4S13 | 420 | 188 | 8765 | 0.45 | 0.00031 | 0.29 | 10.1021/cm502570b |
| Cu10.5Ni0.5ZnSb4S13 | 517 | 205 | 10153 | 0.47 | 0.00043 | 0.47 | 10.1021/cm502570b |
| Cu10.5Ni0.5ZnSb4S13 | 617 | 221 | 10590 | 0.50 | 0.00052 | 0.64 | 10.1021/cm502570b |
| Cu10.5Ni0.5ZnSb4S13 | 715 | 234 | 10300 | 0.50 | 0.00057 | 0.81 | 10.1021/cm502570b |

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|---|---|---|---|---|---|---|---|
| Cu10.5Ni1.3Zn0.2Sb4S13 | 517 | 177 | 22570 | 0.66 | 0.00071 | 0.56 | 10.1021/cm502570b |
| Cu10.5Ni1.3Zn0.2Sb4S13 | 617 | 186 | 24450 | 0.70 | 0.00085 | 0.75 | 10.1021/cm502570b |
| Cu10.5Ni1.3Zn0.2Sb4S13 | 715 | 201 | 22670 | 0.73 | 0.00091 | 0.89 | 10.1021/cm502570b |
| Cu10.5Ni1.5Sb4S13 | 323 | 136 | 16380 | 0.63 | 0.00030 | 0.16 | 10.1021/cm502570b |
| Cu10.5Ni1.5Sb4S13 | 420 | 157 | 21000 | 0.68 | 0.00052 | 0.32 | 10.1021/cm502570b |
| Cu10.5Ni1.5Sb4S13 | 517 | 173 | 23550 | 0.72 | 0.00070 | 0.51 | 10.1021/cm502570b |
| Cu10.5Ni1.5Sb4S13 | 617 | 181 | 24800 | 0.76 | 0.00081 | 0.65 | 10.1021/cm502570b |
| Cu10.5Ni1.5Sb4S13 | 715 | 194 | 23875 | 0.79 | 0.00090 | 0.81 | 10.1021/cm502570b |
| Cu10.5NiZn0.5Sb4S13 | 323 | 160 | 14530 | 0.50 | 0.00037 | 0.24 | 10.1021/cm502570b |
| Cu10.5NiZn0.5Sb4S13 | 420 | 176 | 17950 | 0.52 | 0.00052 | 0.44 | 10.1021/cm502570b |
| Cu10.5NiZn0.5Sb4S13 | 517 | 191 | 19800 | 0.55 | 0.00072 | 0.68 | 10.1021/cm502570b |
| Cu10.5NiZn0.5Sb4S13 | 715 | 215 | 18500 | 0.55 | 0.00085 | 1.03 | 10.1021/cm502570b |
| Ca14MgSb11 | 400 | 121 | 2620 | 0.60 | 0.00004 | 0.03 | 10.1021/cm504059t |
| Ca14MgSb11 | 600 | 130 | 5400 | 0.67 | 0.00009 | 0.08 | 10.1021/cm504059t |
| Ca14MgSb11 | 700 | 139 | 6250 | 0.68 | 0.00012 | 0.13 | 10.1021/cm504059t |
| Ca14MgSb11 | 800 | 150 | 6818 | 0.69 | 0.00015 | 0.18 | 10.1021/cm504059t |
| Ca14MgSb11 | 900 | 160 | 6840 | 0.70 | 0.00018 | 0.23 | 10.1021/cm504059t |
| Ca14MgSb11 | 1000 | 172 | 6688 | 0.72 | 0.00020 | 0.27 | 10.1021/cm504059t |
| Ca14MgSb11 | 1083 | 182 | 6700 | 0.74 | 0.00022 | 0.32 | 10.1021/cm504059t |
| Ca14MgSb11 | 500 | 123 | 4150 | 0.63 | 0.00006 | 0.49 | 10.1021/cm504059t |
| Yb14MgSb11 | 400 | 82 | 27500 | 0.81 | 0.00018 | 0.09 | 10.1021/cm504059t |
| Yb14MgSb11 | 500 | 106 | 23650 | 0.83 | 0.00027 | 0.16 | 10.1021/cm504059t |
| Yb14MgSb11 | 600 | 132 | 20500 | 0.81 | 0.00036 | 0.26 | 10.1021/cm504059t |
| Yb14MgSb11 | 700 | 157 | 17800 | 0.77 | 0.00044 | 0.40 | 10.1021/cm504059t |
| Yb14MgSb11 | 800 | 182 | 15441 | 0.74 | 0.00051 | 0.56 | 10.1021/cm504059t |
| Yb14MgSb11 | 900 | 205 | 13816 | 0.71 | 0.00058 | 0.74 | 10.1021/cm504059t |
| Yb14MgSb11 | 1000 | 224 | 12800 | 0.70 | 0.00064 | 0.91 | 10.1021/cm504059t |
| Yb14MgSb11 | 1083 | 237 | 12050 | 0.71 | 0.00068 | 1.03 | 10.1021/cm504059t |
| Ag0.96Nb0.04BiSe2.0 | 296 | -85 | 22100 | 0.72 | 0.00016 | 0.07 | 10.1021/ja312474n |
| Ag0.96Nb0.04BiSe2.0 | 375 | -98 | 24615 | 0.71 | 0.00024 | 0.12 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 296 | -121 | 13800 | 0.70 | 0.00020 | 0.09 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 375 | -138 | 16000 | 0.69 | 0.00030 | 0.17 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 425 | -150 | 14713 | 0.68 | 0.00033 | 0.21 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 478 | -165 | 11852 | 0.67 | 0.00032 | 0.23 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 528 | -189 | 7853 | 0.61 | 0.00028 | 0.24 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 577 | -224 | 6305 | 0.49 | 0.00032 | 0.37 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 625 | -225 | 6432 | 0.47 | 0.00033 | 0.43 | 10.1021/ja312474n |
| Ag0.98Nb0.02BiSe2.0 | 675 | -242 | 6430 | 0.48 | 0.00038 | 0.53 | 10.1021/ja312474n |
| AgBiSe2.0 | 296 | -154 | 7232 | 0.65 | 0.00017 | 0.08 | 10.1021/ja312474n |
| AgBiSe2.0 | 375 | -166 | 8310 | 0.67 | 0.00023 | 0.13 | 10.1021/ja312474n |
| AgBiSe2.0 | 478 | -188 | 5664 | 0.64 | 0.00020 | 0.15 | 10.1021/ja312474n |
| AgBiSe2.0 | 425 | -177 | 7620 | 0.67 | 0.00024 | 0.15 | 10.1021/ja312474n |
| AgBiSe2.0 | 528 | -214 | 3678 | 0.57 | 0.00017 | 0.15 | 10.1021/ja312474n |
| AgBiSe2.0 | 577 | -239 | 3478 | 0.43 | 0.00020 | 0.27 | 10.1021/ja312474n |
| AgBiSe2.0 | 625 | -236 | 4000 | 0.44 | 0.00022 | 0.31 | 10.1021/ja312474n |
| AgBiSe2.0 | 675 | -251 | 4040 | 0.46 | 0.00025 | 0.37 | 10.1021/ja312474n |
| FeNb0.86Hf0.14Sb | 300 | 84 | 668992 | 7.34 | 0.00477 | 0.20 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 400 | 103 | 492248 | 6.42 | 0.00521 | 0.32 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 500 | 125 | 366667 | 5.76 | 0.00568 | 0.49 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 600 | 146 | 279845 | 5.31 | 0.00593 | 0.67 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 700 | 165 | 217829 | 4.97 | 0.00593 | 0.84 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 800 | 182 | 177519 | 4.68 | 0.00585 | 1.00 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 900 | 195 | 148000 | 4.45 | 0.00565 | 1.14 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 1000 | 209 | 124810 | 4.29 | 0.00543 | 1.26 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 1100 | 220 | 106977 | 4.20 | 0.00518 | 1.36 | 10.1038/ncomms9144 |
| FeNb0.86Hf0.14Sb | 1200 | 231 | 93023 | 4.15 | 0.00495 | 1.43 | 10.1038/ncomms9144 |
| FeNb0.86Zr0.14Sb | 400 | 118 | 354264 | 9.64 | 0.00493 | 0.20 | 10.1038/ncomms9144 |
| FeNb0.86Zr0.14Sb | 500 | 139 | 272093 | 8.58 | 0.00526 | 0.31 | 10.1038/ncomms9144 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| FeNb0.88Hf0.12Sb | 300 | 94 | 590700 | 8.32 | 0.00519 | 0.19 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 400 | 116 | 435000 | 7.05 | 0.00582 | 0.33 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 500 | 138 | 322500 | 6.20 | 0.00614 | 0.50 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 600 | 160 | 245740 | 5.59 | 0.00627 | 0.67 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 700 | 180 | 192250 | 5.19 | 0.00621 | 0.85 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 800 | 196 | 154300 | 4.83 | 0.00591 | 0.99 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 900 | 210 | 127900 | 4.58 | 0.00566 | 1.13 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 1000 | 223 | 109300 | 4.37 | 0.00545 | 1.25 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 1100 | 235 | 94600 | 4.27 | 0.00524 | 1.36 | 10.1038/ncomms9144 |
| FeNb0.88Hf0.12Sb | 1200 | 246 | 82946 | 4.19 | 0.00502 | 1.46 | 10.1038/ncomms9144 |
| FeNb0.92Hf0.08Sb | 300 | 116 | 345736 | 9.46 | 0.00467 | 0.15 | 10.1038/ncomms9144 |
| FeNb0.92Hf0.08Sb | 400 | 145 | 276400 | 7.86 | 0.00584 | 0.30 | 10.1038/ncomms9144 |
| FeNb0.92Hf0.08Sb | 500 | 167 | 214728 | 6.84 | 0.00599 | 0.44 | 10.1038/ncomms9144 |
| FeNb0.92Hf0.08Sb | 600 | 187 | 169000 | 6.15 | 0.00594 | 0.58 | 10.1038/ncomms9144 |
| FeNb0.92Hf0.08Sb | 700 | 205 | 132600 | 5.63 | 0.00559 | 0.70 | 10.1038/ncomms9144 |
| FeNb0.92Zr0.08Sb | 300 | 123 | 330233 | 13.27 | 0.00498 | 0.11 | 10.1038/ncomms9144 |
| FeNb0.92Zr0.08Sb | 500 | 175 | 196124 | 9.53 | 0.00597 | 0.31 | 10.1038/ncomms9144 |
| FeNb0.92Zr0.08Sb | 900 | 247 | 84500 | 6.53 | 0.00514 | 0.71 | 10.1038/ncomms9144 |
| FeNb0.92Zr0.08Sb | 1100 | 271 | 59800 | 6.27 | 0.00438 | 0.77 | 10.1038/ncomms9144 |
| FeNb0.92Zr0.08Sb | 1000 | 259 | 72093 | 6.24 | 0.00483 | 0.77 | 10.1038/ncomms9144 |
| FeNb0.9Hf0.1Sb | 400 | 130 | 434900 | 7.86 | 0.00736 | 0.38 | 10.1038/ncomms9144 |
| FeNb0.9Hf0.1Sb | 500 | 153 | 323200 | 6.84 | 0.00761 | 0.56 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 300 | 108 | 397674 | 12.63 | 0.00460 | 0.11 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 400 | 135 | 311628 | 10.85 | 0.00565 | 0.21 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 500 | 158 | 244186 | 9.56 | 0.00606 | 0.32 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 600 | 176 | 193798 | 8.73 | 0.00600 | 0.41 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 700 | 193 | 155040 | 8.07 | 0.00578 | 0.50 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 800 | 209 | 126400 | 7.53 | 0.00554 | 0.59 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 900 | 225 | 105500 | 7.12 | 0.00536 | 0.68 | 10.1038/ncomms9144 |
| FeNb0.9Zr0.1Sb | 1000 | 238 | 92200 | 6.92 | 0.00523 | 0.76 | 10.1038/ncomms9144 |
| Cu2Sn0.8Zn0.2S3 | 323 | 44 | 137534 | 2.58 | 0.00027 | 0.03 | 10.1038/srep32501 |
| Cu2Sn0.8Zn0.2S3 | 423 | 61 | 116712 | 2.26 | 0.00043 | 0.08 | 10.1038/srep32501 |
| Cu2Sn0.8Zn0.2S3 | 523 | 78 | 98400 | 1.86 | 0.00060 | 0.17 | 10.1038/srep32501 |
| Cu2Sn0.8Zn0.2S3 | 623 | 95 | 81200 | 1.55 | 0.00074 | 0.30 | 10.1038/srep32501 |
| Cu2Sn0.8Zn0.2S3 | 723 | 117 | 61095 | 1.28 | 0.00084 | 0.48 | 10.1038/srep32501 |
| Cu2Sn0.95Zn0.05S3 | 323 | 99 | 18500 | 1.59 | 0.00018 | 0.04 | 10.1038/srep32501 |
| Cu2Sn0.95Zn0.05S3 | 423 | 125 | 16438 | 1.21 | 0.00026 | 0.09 | 10.1038/srep32501 |
| Cu2Sn0.95Zn0.05S3 | 523 | 151 | 14000 | 0.96 | 0.00032 | 0.17 | 10.1038/srep32501 |
| Cu2Sn0.95Zn0.05S3 | 623 | 173 | 11800 | 0.76 | 0.00035 | 0.29 | 10.1038/srep32501 |
| Cu2Sn0.95Zn0.05S3 | 723 | 196 | 10000 | 0.49 | 0.00038 | 0.56 | 10.1038/srep32501 |
| Cu2Sn0.9Zn0.1S3 | 323 | 71 | 55616 | 1.88 | 0.00028 | 0.05 | 10.1038/srep32501 |
| Cu2Sn0.9Zn0.1S3 | 423 | 93 | 46850 | 1.59 | 0.00040 | 0.11 | 10.1038/srep32501 |
| Cu2Sn0.9Zn0.1S3 | 523 | 107 | 41643 | 1.37 | 0.00048 | 0.18 | 10.1038/srep32501 |
| Cu2Sn0.9Zn0.1S3 | 623 | 125 | 36100 | 1.16 | 0.00056 | 0.30 | 10.1038/srep32501 |
| Cu2Sn0.9Zn0.1S3 | 723 | 148 | 30000 | 0.83 | 0.00066 | 0.58 | 10.1038/srep32501 |
| Cu2SnS3 | 323 | 283 | 132 | 2.38 | 0.00001 | 0.00 | 10.1038/srep32501 |
| Cu2SnS3 | 423 | 340 | 170 | 1.63 | 0.00002 | 0.01 | 10.1038/srep32501 |
| Cu2SnS3 | 523 | 390 | 190 | 1.23 | 0.00003 | 0.01 | 10.1038/srep32501 |
| Cu2SnS3 | 623 | 423 | 207 | 0.98 | 0.00004 | 0.02 | 10.1038/srep32501 |
| Cu2SnS3 | 723 | 411 | 276 | 0.79 | 0.00005 | 0.04 | 10.1038/srep32501 |
| Eu(Zn0.5Cd0.5)2Sb2 | 300 | 173 | 31480 | 1.60 | 0.00094 | 0.18 | 10.1039/B916346H |
| Eu(Zn0.5Cd0.5)2Sb2 | 350 | 189 | 29000 | 1.43 | 0.00104 | 0.25 | 10.1039/B916346H |
| Eu(Zn0.5Cd0.5)2Sb2 | 400 | 204 | 26235 | 1.30 | 0.00109 | 0.34 | 10.1039/B916346H |
| Eu(Zn0.5Cd0.5)2Sb2 | 450 | 217 | 24566 | 1.20 | 0.00116 | 0.43 | 10.1039/B916346H |
| Eu(Zn0.5Cd0.5)2Sb2 | 500 | 228 | 22487 | 1.12 | 0.00117 | 0.52 | 10.1039/B916346H |
| Eu(Zn0.5Cd0.5)2Sb2 | 550 | 236 | 21100 | 1.03 | 0.00118 | 0.63 | 10.1039/B916346H |
| Eu(Zn0.5Cd0.5)2Sb2 | 600 | 244 | 19676 | 1.00 | 0.00117 | 0.70 | 10.1039/B916346H |
| Eu(Zn0.5Cd0.5)2Sb2 | 650 | 250 | 18640 | 0.98 | 0.00117 | 0.77 | 10.1039/B916346H |

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|---|---|---|---|---|---|---|---|
| Eu(Zn0.7Cd0.3)2Sb2 | 300 | 148 | 57000 | 1.84 | 0.00125 | 0.20 | 10.1039/B916346H |
| Eu(Zn0.7Cd0.3)2Sb2 | 350 | 163 | 53100 | 1.67 | 0.00141 | 0.30 | 10.1039/B916346H |
| Eu(Zn0.7Cd0.3)2Sb2 | 400 | 176 | 48295 | 1.54 | 0.00150 | 0.39 | 10.1039/B916346H |
| Eu(Zn0.7Cd0.3)2Sb2 | 450 | 188 | 44270 | 1.41 | 0.00156 | 0.50 | 10.1039/B916346H |
| Eu(Zn0.7Cd0.3)2Sb2 | 500 | 198 | 40100 | 1.31 | 0.00158 | 0.60 | 10.1039/B916346H |
| Eu(Zn0.7Cd0.3)2Sb2 | 550 | 208 | 36640 | 1.23 | 0.00158 | 0.71 | 10.1039/B916346H |
| Eu(Zn0.7Cd0.3)2Sb2 | 600 | 215 | 33333 | 1.16 | 0.00154 | 0.80 | 10.1039/B916346H |
| Eu(Zn0.7Cd0.3)2Sb2 | 650 | 221 | 30500 | 1.12 | 0.00149 | 0.87 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 300 | 125 | 100500 | 2.29 | 0.00157 | 0.21 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 350 | 138 | 95200 | 2.08 | 0.00181 | 0.31 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 400 | 151 | 87000 | 1.91 | 0.00197 | 0.41 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 450 | 162 | 81400 | 1.75 | 0.00212 | 0.55 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 500 | 173 | 74560 | 1.61 | 0.00222 | 0.69 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 550 | 181 | 69000 | 1.52 | 0.00227 | 0.82 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 600 | 190 | 63500 | 1.44 | 0.00229 | 0.96 | 10.1039/B916346H |
| Eu(Zn0.9Cd0.1)2Sb2 | 650 | 198 | 58200 | 1.39 | 0.00228 | 1.07 | 10.1039/B916346H |
| EuCd2Sb2 | 300 | 227 | 11111 | 1.41 | 0.00057 | 0.12 | 10.1039/B916346H |
| EuCd2Sb2 | 350 | 246 | 10417 | 1.22 | 0.00063 | 0.18 | 10.1039/B916346H |
| EuCd2Sb2 | 400 | 267 | 9260 | 1.08 | 0.00066 | 0.24 | 10.1039/B916346H |
| EuCd2Sb2 | 450 | 286 | 8285 | 0.96 | 0.00068 | 0.32 | 10.1039/B916346H |
| EuCd2Sb2 | 500 | 301 | 7658 | 0.87 | 0.00069 | 0.40 | 10.1039/B916346H |
| EuCd2Sb2 | 550 | 307 | 7500 | 0.81 | 0.00071 | 0.48 | 10.1039/B916346H |
| EuCd2Sb2 | 600 | 299 | 8110 | 0.76 | 0.00072 | 0.57 | 10.1039/B916346H |
| EuCd2Sb2 | 650 | 274 | 10216 | 0.74 | 0.00077 | 0.68 | 10.1039/B916346H |
| EuZn2Sb2 | 300 | 119 | 118055 | 2.61 | 0.00167 | 0.19 | 10.1039/B916346H |
| EuZn2Sb2 | 350 | 130 | 103700 | 2.26 | 0.00175 | 0.27 | 10.1039/B916346H |
| EuZn2Sb2 | 400 | 140 | 92390 | 2.00 | 0.00182 | 0.36 | 10.1039/B916346H |
| EuZn2Sb2 | 450 | 152 | 85000 | 1.80 | 0.00195 | 0.49 | 10.1039/B916346H |
| EuZn2Sb2 | 500 | 162 | 78700 | 1.67 | 0.00206 | 0.61 | 10.1039/B916346H |
| EuZn2Sb2 | 550 | 170 | 72000 | 1.57 | 0.00208 | 0.73 | 10.1039/B916346H |
| EuZn2Sb2 | 600 | 177 | 65385 | 1.49 | 0.00205 | 0.82 | 10.1039/B916346H |
| EuZn2Sb2 | 650 | 181 | 59000 | 1.42 | 0.00194 | 0.89 | 10.1039/B916346H |
| (PbTe)0.05(Ag2Te)0.95 | 350 | -93 | 145550 | 0.82 | 0.00125 | 0.53 | 10.1039/c1jm13888j |
| (PbTe)0.05(Ag2Te)0.95 | 450 | -117 | 50213 | 0.50 | 0.00069 | 0.62 | 10.1039/c1jm13888j |
| (PbTe)0.05(Ag2Te)0.95 | 550 | -155 | 29000 | 0.47 | 0.00069 | 0.82 | 10.1039/c1jm13888j |
| (PbTe)0.05(Ag2Te)0.95 | 650 | -198 | 13584 | 0.42 | 0.00053 | 0.83 | 10.1039/c1jm13888j |
| (PbTe)0.05(Ag2Te)0.95 | 600 | -175 | 20700 | 0.44 | 0.00064 | 0.87 | 10.1039/c1jm13888j |
| (PbTe)0.1(Ag2Te)0.9 | 300 | -92 | 145950 | 0.90 | 0.00124 | 0.41 | 10.1039/c1jm13888j |
| (PbTe)0.1(Ag2Te)0.9 | 350 | -95 | 127450 | 0.78 | 0.00115 | 0.52 | 10.1039/c1jm13888j |
| (PbTe)0.1(Ag2Te)0.9 | 450 | -120 | 42089 | 0.53 | 0.00061 | 0.52 | 10.1039/c1jm13888j |
| (PbTe)0.1(Ag2Te)0.9 | 550 | -159 | 27150 | 0.53 | 0.00069 | 0.71 | 10.1039/c1jm13888j |
| (PbTe)0.1(Ag2Te)0.9 | 600 | -182 | 19670 | 0.51 | 0.00065 | 0.76 | 10.1039/c1jm13888j |
| (PbTe)0.15(Ag2Te)0.85 | 300 | -103 | 95750 | 0.98 | 0.00101 | 0.42 | 10.1039/c1jm13888j |
| (PbTe)0.15(Ag2Te)0.85 | 350 | -104 | 79473 | 0.85 | 0.00086 | 0.55 | 10.1039/c1jm13888j |
| (PbTe)0.15(Ag2Te)0.85 | 450 | -141 | 37230 | 0.56 | 0.00074 | 0.60 | 10.1039/c1jm13888j |
| (PbTe)0.15(Ag2Te)0.85 | 500 | -161 | 30700 | 0.54 | 0.00079 | 0.73 | 10.1039/c1jm13888j |
| (PbTe)0.15(Ag2Te)0.85 | 650 | -214 | 11275 | 0.46 | 0.00052 | 0.76 | 10.1039/c1jm13888j |
| (PbTe)0.15(Ag2Te)0.85 | 550 | -175 | 24300 | 0.52 | 0.00074 | 0.77 | 10.1039/c1jm13888j |
| (PbTe)0.15(Ag2Te)0.85 | 600 | -191 | 17800 | 0.49 | 0.00065 | 0.79 | 10.1039/c1jm13888j |
| Ag2Te | 500 | -118 | 51066 | 0.58 | 0.00071 | 0.61 | 10.1039/c1jm13888j |
| Ag2Te | 550 | -120 | 46550 | 0.60 | 0.00067 | 0.61 | 10.1039/c1jm13888j |
| Ag2Te | 600 | -123 | 43100 | 0.63 | 0.00065 | 0.62 | 10.1039/c1jm13888j |
| Ag2Te | 650 | -125 | 41130 | 0.66 | 0.00064 | 0.63 | 10.1039/c1jm13888j |
| BiCuSeO | 773 | 307 | 4575 | 0.48 | 0.00043 | 0.70 | 10.1039/c2ee21274a |
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 305 | 179 | 43000 | 2.53 | 0.00137 | 0.16 | 10.1039/c2ee21554c |
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 377 | 194 | 42150 | 2.51 | 0.00160 | 0.24 | 10.1039/c2ee21554c |
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 473 | 212 | 40000 | 2.51 | 0.00182 | 0.34 | 10.1039/c2ee21554c |
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 575 | 226 | 39000 | 2.51 | 0.00199 | 0.45 | 10.1039/c2ee21554c |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 676 | 237 | 38160 | 2.47 | 0.00215 | 0.59 | 10.1039/c2ee21554c |
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 779 | 239 | 37900 | 2.47 | 0.00217 | 0.69 | 10.1039/c2ee21554c |
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 885 | 241 | 38900 | 2.49 | 0.00226 | 0.81 | 10.1039/c2ee21554c |
| Hf0.5Ti0.5CoSb0.8Sn0.2 | 989 | 233 | 41700 | 2.57 | 0.00226 | 0.87 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 305 | 159 | 55450 | 2.78 | 0.00140 | 0.15 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 377 | 175 | 52700 | 2.80 | 0.00161 | 0.22 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 473 | 191 | 50600 | 2.81 | 0.00184 | 0.31 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 575 | 206 | 48900 | 2.83 | 0.00206 | 0.42 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 676 | 215 | 47800 | 2.84 | 0.00221 | 0.53 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 779 | 222 | 46800 | 2.85 | 0.00229 | 0.63 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 885 | 232 | 46300 | 2.86 | 0.00247 | 0.77 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 989 | 230 | 47900 | 2.87 | 0.00251 | 0.87 | 10.1039/c2ee21554c |
| Hf0.7Ti0.3CoSb0.8Sn0.2 | 1088 | 232 | 47600 | 2.90 | 0.00255 | 0.96 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 305 | 158 | 61600 | 2.76 | 0.00153 | 0.17 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 377 | 175 | 58200 | 2.80 | 0.00178 | 0.24 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 480 | 193 | 54894 | 2.79 | 0.00204 | 0.35 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 580 | 205 | 52300 | 2.80 | 0.00219 | 0.45 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 682 | 217 | 50000 | 2.73 | 0.00235 | 0.59 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 784 | 225 | 48511 | 2.68 | 0.00246 | 0.72 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 885 | 229 | 47670 | 2.67 | 0.00250 | 0.83 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 987 | 227 | 48500 | 2.67 | 0.00249 | 0.92 | 10.1039/c2ee21554c |
| Hf0.8Ti0.2CoSb0.8Sn0.2 | 1088 | 228 | 49500 | 2.75 | 0.00257 | 1.01 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 305 | 141 | 81000 | 3.45 | 0.00161 | 0.14 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 377 | 158 | 74752 | 3.39 | 0.00187 | 0.21 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 473 | 176 | 68794 | 3.38 | 0.00212 | 0.30 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 575 | 190 | 63972 | 3.35 | 0.00231 | 0.40 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 676 | 197 | 60851 | 3.30 | 0.00236 | 0.49 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 779 | 207 | 58582 | 3.24 | 0.00252 | 0.60 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 885 | 216 | 56028 | 3.24 | 0.00260 | 0.71 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 989 | 218 | 54752 | 3.29 | 0.00260 | 0.78 | 10.1039/c2ee21554c |
| Hf0.9Ti0.1CoSb0.8Sn0.2 | 1088 | 212 | 55035 | 3.31 | 0.00248 | 0.82 | 10.1039/c2ee21554c |
| Ca3Al0.95Zn0.05Sb3 | 422 | 184 | 4745 | 1.06 | 0.00016 | 0.06 | 10.1039/c2jm31324c |
| Ca3Al0.95Zn0.05Sb3 | 522 | 214 | 5050 | 0.92 | 0.00023 | 0.13 | 10.1039/c2jm31324c |
| Ca3Al0.95Zn0.05Sb3 | 622 | 237 | 4900 | 0.81 | 0.00027 | 0.21 | 10.1039/c2jm31324c |
| Ca3Al0.95Zn0.05Sb3 | 722 | 272 | 4283 | 0.72 | 0.00032 | 0.29 | 10.1039/c2jm31324c |
| Ca3Al0.95Zn0.05Sb3 | 822 | 276 | 4130 | 0.66 | 0.00031 | 0.39 | 10.1039/c2jm31324c |
| Ca3Al0.98Zn0.02Sb3 | 422 | 200 | 3150 | 1.10 | 0.00013 | 0.05 | 10.1039/c2jm31324c |
| Ca3Al0.98Zn0.02Sb3 | 522 | 231 | 3870 | 0.95 | 0.00021 | 0.11 | 10.1039/c2jm31324c |
| Ca3Al0.98Zn0.02Sb3 | 622 | 248 | 4350 | 0.83 | 0.00027 | 0.21 | 10.1039/c2jm31324c |
| Ca3Al0.98Zn0.02Sb3 | 722 | 274 | 3952 | 0.74 | 0.00030 | 0.29 | 10.1039/c2jm31324c |
| Ca3Al0.98Zn0.02Sb3 | 822 | 277 | 3830 | 0.67 | 0.00029 | 0.36 | 10.1039/c2jm31324c |
| Ca3Al0.99Zn0.01Sb3 | 422 | 172 | 10900 | 1.27 | 0.00032 | 0.10 | 10.1039/c2jm31324c |
| Ca3Al0.99Zn0.01Sb3 | 522 | 208 | 9711 | 1.07 | 0.00042 | 0.19 | 10.1039/c2jm31324c |
| Ca3Al0.99Zn0.01Sb3 | 822 | 264 | 5100 | 0.72 | 0.00036 | 0.44 | 10.1039/c2jm31324c |
| Ca3AlSb3 | 422 | 352 | 327 | 0.99 | 0.00004 | 0.02 | 10.1039/c2jm31324c |
| Ca3AlSb3 | 522 | 390 | 498 | 0.85 | 0.00008 | 0.05 | 10.1039/c2jm31324c |
| Ca3AlSb3 | 722 | 419 | 500 | 0.67 | 0.00009 | 0.09 | 10.1039/c2jm31324c |
| Ca3AlSb3 | 822 | 390 | 516 | 0.62 | 0.00008 | 0.10 | 10.1039/c2jm31324c |
| Ca5In1.95Zn0.05Sb6 | 622 | 209 | 14350 | 0.91 | 0.00063 | 0.43 | 10.1039/c3dt50428j |
| Ca5In1.95Zn0.05Sb6 | 722 | 214 | 12860 | 0.83 | 0.00059 | 0.51 | 10.1039/c3dt50428j |
| Ca5In1.95Zn0.05Sb6 | 822 | 217 | 12700 | 0.81 | 0.00060 | 0.61 | 10.1039/c3dt50428j |
| Ca5In1.95Zn0.05Sb6 | 922 | 216 | 12860 | 0.82 | 0.00060 | 0.68 | 10.1039/c3dt50428j |
| Ca5In1.98Zn0.02Sb6 | 422 | 264 | 5418 | 0.93 | 0.00038 | 0.16 | 10.1039/c3dt50428j |
| Ca5In1.98Zn0.02Sb6 | 522 | 288 | 5340 | 0.81 | 0.00044 | 0.28 | 10.1039/c3dt50428j |
| Ca5In1.98Zn0.02Sb6 | 622 | 299 | 4794 | 0.73 | 0.00043 | 0.36 | 10.1039/c3dt50428j |
| Ca5In1.98Zn0.02Sb6 | 922 | 239 | 5349 | 0.70 | 0.00030 | 0.40 | 10.1039/c3dt50428j |
| Ca5In1.98Zn0.02Sb6 | 722 | 290 | 4612 | 0.67 | 0.00039 | 0.41 | 10.1039/c3dt50428j |
| Ca5In1.98Zn0.02Sb6 | 822 | 270 | 4702 | 0.66 | 0.00034 | 0.43 | 10.1039/c3dt50428j |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Ca5In1.9Zn0.1Sb6 | 422 | 144 | 20460 | 1.11 | 0.00042 | 0.15 | 10.1039/c3dt50428j |
| Ca5In1.9Zn0.1Sb6 | 522 | 162 | 20860 | 1.01 | 0.00055 | 0.27 | 10.1039/c3dt50428j |
| Ca5In1.9Zn0.1Sb6 | 622 | 171 | 19940 | 0.92 | 0.00058 | 0.38 | 10.1039/c3dt50428j |
| Ca5In1.9Zn0.1Sb6 | 722 | 178 | 17869 | 0.84 | 0.00056 | 0.48 | 10.1039/c3dt50428j |
| Ca5In2Sb6 | 422 | 480 | 974 | 0.87 | 0.00022 | 0.11 | 10.1039/c3dt50428j |
| Ca5In2Sb6 | 820 | 204 | 3250 | 0.69 | 0.00014 | 0.12 | 10.1039/c3dt50428j |
| Ca5In2Sb6 | 520 | 480 | 967 | 0.75 | 0.00022 | 0.15 | 10.1039/c3dt50428j |
| Ca5In2Sb6 | 620 | 422 | 1000 | 0.69 | 0.00018 | 0.16 | 10.1039/c3dt50428j |
| Mg3Sb1.6Bi0.4 | 332 | 142 | 3455 | 0.95 | 0.00007 | 0.02 | 10.1039/c3ra40457a |
| Mg3Sb1.6Bi0.4 | 470 | 211 | 2500 | 0.66 | 0.00011 | 0.08 | 10.1039/c3ra40457a |
| Mg3Sb1.6Bi0.4 | 750 | 186.4 | 1990 | 0.42 | 0.00007 | 0.13 | 10.1039/c3ra40457a |
| Mg3Sb1.6Bi0.4 | 565 | 246 | 2010 | 0.53 | 0.00012 | 0.13 | 10.1039/c3ra40457a |
| Mg3Sb1.6Bi0.4 | 660 | 277 | 1900 | 0.47 | 0.00015 | 0.20 | 10.1039/c3ra40457a |
| Mg3Sb1.8Bi0.2 | 332 | 306 | 333 | 1.17 | 0.00003 | 0.01 | 10.1039/c3ra40457a |
| Mg3Sb1.8Bi0.2 | 470 | 357 | 559 | 0.91 | 0.00007 | 0.04 | 10.1039/c3ra40457a |
| Mg3Sb1.8Bi0.2 | 565 | 386 | 865 | 0.74 | 0.00013 | 0.10 | 10.1039/c3ra40457a |
| Mg3Sb1.8Bi0.2 | 660 | 411.4 | 1556.5 | 0.61 | 0.00026 | 0.29 | 10.1039/c3ra40457a |
| Mg3Sb1.8Bi0.2 | 750 | 409 | 2500 | 0.55 | 0.00042 | 0.57 | 10.1039/c3ra40457a |
| Mg3Sb1.9Bi0.1 | 332 | 278 | 302 | 1.32 | 0.00002 | 0.01 | 10.1039/c3ra40457a |
| Mg3Sb1.9Bi0.1 | 470 | 340 | 500 | 0.98 | 0.00006 | 0.03 | 10.1039/c3ra40457a |
| Mg3Sb1.9Bi0.1 | 565 | 364 | 690 | 0.77 | 0.00009 | 0.07 | 10.1039/c3ra40457a |
| Mg3Sb1.9Bi0.1 | 660 | 393 | 986 | 0.66 | 0.00015 | 0.15 | 10.1039/c3ra40457a |
| Mg3Sb1.9Bi0.1 | 750 | 366.2 | 1888 | 0.60 | 0.00025 | 0.33 | 10.1039/c3ra40457a |
| Mg3Sb2 | 332 | 193 | 207 | 1.34 | 0.00001 | 0.00 | 10.1039/c3ra40457a |
| Mg3Sb2 | 470 | 261 | 392 | 1.13 | 0.00003 | 0.01 | 10.1039/c3ra40457a |
| Mg3Sb2 | 565 | 296 | 688 | 0.89 | 0.00006 | 0.04 | 10.1039/c3ra40457a |
| Mg3Sb2 | 660 | 328 | 1320 | 0.67 | 0.00014 | 0.14 | 10.1039/c3ra40457a |
| Mg3Sb2 | 750 | 288 | 2400 | 0.60 | 0.00020 | 0.25 | 10.1039/c3ra40457a |
| Ca5Al1.9Zn0.1Sb6 | 425 | 118 | 23770 | 1.27 | 0.00033 | 0.11 | 10.1039/c3ta00844d |
| Ca5Al1.9Zn0.1Sb6 | 525 | 134 | 21640 | 1.18 | 0.00039 | 0.17 | 10.1039/c3ta00844d |
| Ca5Al1.9Zn0.1Sb6 | 624 | 149 | 19350 | 1.10 | 0.00043 | 0.25 | 10.1039/c3ta00844d |
| Ca5Al1.9Zn0.1Sb6 | 724 | 163 | 17153 | 1.02 | 0.00045 | 0.32 | 10.1039/c3ta00844d |
| Ca5Al1.9Zn0.1Sb6 | 773 | 167 | 16313 | 0.98 | 0.00046 | 0.36 | 10.1039/c3ta00844d |
| Ca5Ga1.7Zn0.3Sb6 | 425 | 70 | 56499 | 1.68 | 0.00028 | 0.07 | 10.1039/c3ta00844d |
| Ca5Ga1.7Zn0.3Sb6 | 525 | 80 | 56855 | 1.55 | 0.00036 | 0.12 | 10.1039/c3ta00844d |
| Ca5Ga1.7Zn0.3Sb6 | 624 | 91 | 50000 | 1.44 | 0.00042 | 0.18 | 10.1039/c3ta00844d |
| Ca5Ga1.7Zn0.3Sb6 | 724 | 102 | 43500 | 1.34 | 0.00046 | 0.25 | 10.1039/c3ta00844d |
| Ca5Ga1.7Zn0.3Sb6 | 773 | 107 | 39512 | 1.30 | 0.00045 | 0.27 | 10.1039/c3ta00844d |
| Ca5Ga1.8Zn0.2Sb6 | 425 | 72 | 47700 | 1.64 | 0.00025 | 0.06 | 10.1039/c3ta00844d |
| Ca5Ga1.8Zn0.2Sb6 | 525 | 86 | 45100 | 1.51 | 0.00033 | 0.12 | 10.1039/c3ta00844d |
| Ca5Ga1.8Zn0.2Sb6 | 624 | 95 | 42070 | 1.41 | 0.00038 | 0.17 | 10.1039/c3ta00844d |
| Ca5Ga1.8Zn0.2Sb6 | 724 | 105 | 37650 | 1.31 | 0.00041 | 0.23 | 10.1039/c3ta00844d |
| Ca5Ga1.8Zn0.2Sb6 | 773 | 109 | 35700 | 1.26 | 0.00043 | 0.26 | 10.1039/c3ta00844d |
| Ca5Ga1.95Zn0.05Sb6 | 425 | 138 | 17900 | 1.19 | 0.00034 | 0.12 | 10.1039/c3ta00844d |
| Ca5Ga1.95Zn0.05Sb6 | 525 | 160 | 17200 | 1.06 | 0.00044 | 0.21 | 10.1039/c3ta00844d |
| Ca5Ga1.95Zn0.05Sb6 | 624 | 173 | 16415 | 0.98 | 0.00049 | 0.31 | 10.1039/c3ta00844d |
| Ca5Ga1.95Zn0.05Sb6 | 773 | 171 | 14941 | 0.91 | 0.00044 | 0.37 | 10.1039/c3ta00844d |
| Ca5Ga1.95Zn0.05Sb6 | 724 | 176 | 15320 | 0.91 | 0.00047 | 0.37 | 10.1039/c3ta00844d |
| Ca5Ga1.9Zn0.1Sb6 | 425 | 115 | 30500 | 1.40 | 0.00040 | 0.12 | 10.1039/c3ta00844d |
| Ca5Ga1.9Zn0.1Sb6 | 525 | 133 | 28513 | 1.26 | 0.00050 | 0.21 | 10.1039/c3ta00844d |
| Ca5Ga1.9Zn0.1Sb6 | 624 | 143 | 26800 | 1.16 | 0.00055 | 0.31 | 10.1039/c3ta00844d |
| Ca5Ga1.9Zn0.1Sb6 | 724 | 151 | 24400 | 1.10 | 0.00056 | 0.37 | 10.1039/c3ta00844d |
| Ca5Ga1.9Zn0.1Sb6 | 773 | 153 | 23180 | 1.08 | 0.00054 | 0.39 | 10.1039/c3ta00844d |
| Ca5Ga2Sb6 | 624 | 113 | 1466 | 1.03 | 0.00002 | 0.01 | 10.1039/c3ta00844d |
| Ca5Ga2Sb6 | 525 | 275 | 863 | 1.01 | 0.00007 | 0.04 | 10.1039/c3ta00844d |
| Ca5Ga2Sb6 | 425 | 417 | 640 | 1.10 | 0.00011 | 0.04 | 10.1039/c3ta00844d |
| Bi0.985Na0.015CuSeO | 300 | 254 | 12500 | 0.81 | 0.00080 | 0.30 | 10.1039/c3ta14532h |
| Bi0.985Na0.015CuSeO | 923 | 318 | 4700 | 0.50 | 0.00048 | 0.91 | 10.1039/c3ta14532h |

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|---|---|---|---|---|---|---|---|
| In4Pb0.01Sn0.03Se2.9Cl0.02 | 323 | -205 | 7453 | 0.95 | 0.00031 | 0.11 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.02 | 373 | -224 | 8330 | 0.85 | 0.00042 | 0.19 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.02 | 473 | -229 | 13900 | 0.74 | 0.00073 | 0.47 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.02 | 523 | -231 | 16660 | 0.69 | 0.00089 | 0.68 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.02 | 623 | -260 | 14800 | 0.59 | 0.00100 | 1.05 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.02 | 673 | -262 | 13760 | 0.57 | 0.00095 | 1.12 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.02 | 723 | -260 | 13830 | 0.56 | 0.00094 | 1.20 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.04 | 323 | -198 | 6700 | 0.91 | 0.00026 | 0.09 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.04 | 623 | -259 | 14183 | 0.58 | 0.00096 | 1.02 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.04 | 673 | -262 | 13762 | 0.55 | 0.00094 | 1.14 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.04 | 723 | -258 | 14150 | 0.54 | 0.00094 | 1.25 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 323 | -199 | 3050 | 0.94 | 0.00012 | 0.04 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 373 | 219 | 3820 | 0.84 | 0.00018 | 0.08 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 423 | -231 | 5225 | 0.77 | 0.00028 | 0.16 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 523 | -233 | 8910 | 0.67 | 0.00048 | 0.39 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 473 | -222 | 7700 | 0.72 | 0.00038 | 0.52 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 573 | -247 | 10100 | 0.61 | 0.00061 | 0.57 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 623 | -250 | 10335 | 0.57 | 0.00064 | 0.72 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 673 | -261 | 10400 | 0.54 | 0.00073 | 0.89 | 10.1039/c4dt03432e |
| In4Pb0.01Sn0.03Se2.9Cl0.06 | 723 | -255 | 10988 | 0.53 | 0.00071 | 0.96 | 10.1039/c4dt03432e |
| BiCu0.90SeO | 323 | 166 | 43 | 1.19 | 0.00000 | 0.00 | https://doi.org/10.1021/ja2091195 |
| BiCu0.90SeO | 523 | 189 | 44 | 0.91 | 0.00000 | 0.00 | https://doi.org/10.1021/ja2091195 |
| BiCu0.90SeO | 723 | 223 | 80 | 0.71 | 0.00000 | 0.00 | https://doi.org/10.1021/ja2091195 |
| BiCu0.90SeO | 923 | 283 | 163 | 0.65 | 0.00001 | 0.02 | https://doi.org/10.1021/ja2091195 |
| BiCu0.925SeO | 323 | 242 | 2788 | 1.40 | 0.00016 | 0.04 | https://doi.org/10.1021/ja2091195 |
| BiCu0.925SeO | 523 | 270 | 1760 | 1.10 | 0.00013 | 0.06 | https://doi.org/10.1021/ja2091195 |
| BiCu0.925SeO | 723 | 292 | 1907 | 0.93 | 0.00016 | 0.13 | https://doi.org/10.1021/ja2091195 |
| BiCu0.925SeO | 923 | 304 | 2550 | 0.87 | 0.00024 | 0.26 | https://doi.org/10.1021/ja2091195 |
| BiCu0.975SeO | 323 | 168 | 2330 | 0.79 | 0.00007 | 0.03 | https://doi.org/10.1021/ja2091195 |
| BiCu0.975SeO | 523 | 204 | 1852 | 0.57 | 0.00008 | 0.08 | https://doi.org/10.1021/ja2091195 |
| BiCu0.975SeO | 723 | 242 | 3625 | 0.46 | 0.00021 | 0.33 | https://doi.org/10.1021/ja2091195 |
| BiCu0.975SeO | 923 | 279 | 5220 | 0.48 | 0.00041 | 0.79 | https://doi.org/10.1021/ja2091195 |
| BiCuSeO | 323 | 354 | 114 | 0.61 | 0.00001 | 0.01 | https://doi.org/10.1021/ja2091195 |
| BiCuSeO | 523 | 387 | 191 | 0.50 | 0.00003 | 0.03 | https://doi.org/10.1021/ja2091195 |
| BiCuSeO | 723 | 408 | 535 | 0.45 | 0.00009 | 0.14 | https://doi.org/10.1021/ja2091195 |
| BiCuSeO | 923 | 419 | 1383 | 0.42 | 0.00024 | 0.53 | https://doi.org/10.1021/ja2091195 |
| FeNb0.80Ti0.20Sb | 300 | 72 | 460000 | 7.50 | 0.00238 | 0.10 | 10.1039/c4ee03042g |
| FeNb0.80Ti0.20Sb | 500 | 111 | 270000 | 5.90 | 0.00333 | 0.28 | 10.1039/c4ee03042g |
| FeNb0.80Ti0.20Sb | 700 | 150 | 165000 | 5.30 | 0.00371 | 0.49 | 10.1039/c4ee03042g |
| FeNb0.80Ti0.20Sb | 900 | 180 | 125000 | 4.70 | 0.00405 | 0.78 | 10.1039/c4ee03042g |
| FeNb0.88Ti0.12Sb | 300 | 103 | 430000 | 11.30 | 0.00456 | 0.12 | 10.1039/c4ee03042g |
| FeNb0.88Ti0.12Sb | 500 | 140 | 250000 | 8.24 | 0.00490 | 0.30 | 10.1039/c4ee03042g |
| FeNb0.88Ti0.12Sb | 700 | 182 | 130000 | 6.50 | 0.00431 | 0.46 | 10.1039/c4ee03042g |
| FeNb0.88Ti0.12Sb | 900 | 214 | 90000 | 5.50 | 0.00412 | 0.67 | 10.1039/c4ee03042g |
| FeNb0.92Ti0.08Sb | 300 | 120 | 400000 | 13.00 | 0.00576 | 0.13 | 10.1039/c4ee03042g |
| FeNb0.92Ti0.08Sb | 500 | 168 | 200000 | 9.40 | 0.00564 | 0.30 | 10.1039/c4ee03042g |
| FeNb0.92Ti0.08Sb | 700 | 207 | 110000 | 7.40 | 0.00471 | 0.45 | 10.1039/c4ee03042g |
| FeNb0.92Ti0.08Sb | 900 | 240 | 79000 | 6.30 | 0.00455 | 0.65 | 10.1039/c4ee03042g |
| FeNb0.96Ti0.04Sb | 300 | 153 | 160000 | 15.00 | 0.00375 | 0.07 | 10.1039/c4ee03042g |
| FeNb0.96Ti0.04Sb | 500 | 206 | 113000 | 10.31 | 0.00480 | 0.23 | 10.1039/c4ee03042g |
| FeNb0.96Ti0.04Sb | 700 | 255 | 66000 | 8.00 | 0.00429 | 0.38 | 10.1039/c4ee03042g |
| FeNb0.96Ti0.04Sb | 900 | 284 | 42000 | 6.43 | 0.00339 | 0.47 | 10.1039/c4ee03042g |
| AgSn15.0BiTe17.0 | 300 | 66 | 204810 | 2.60 | 0.00089 | 0.10 | 10.1039/c4ta05530f |
| AgSn15.0BiTe17.0 | 400 | 94 | 157692 | 2.41 | 0.00139 | 0.23 | 10.1039/c4ta05530f |
| AgSn15.0BiTe17.0 | 500 | 123 | 121153 | 2.09 | 0.00183 | 0.44 | 10.1039/c4ta05530f |
| AgSn15.0BiTe17.0 | 600 | 149 | 97115 | 1.77 | 0.00216 | 0.73 | 10.1039/c4ta05530f |
| AgSn25.0BiTe27.0 | 300 | 46 | 254808 | 3.41 | 0.00054 | 0.05 | 10.1039/c4ta05530f |
| AgSn25.0BiTe27.0 | 400 | 66 | 200000 | 3.19 | 0.00087 | 0.11 | 10.1039/c4ta05530f |

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|---|---|---|---|---|---|---|---|
| AgSn25.0BiTe27.0 | 500 | 93 | 150000 | 2.87 | 0.00130 | 0.23 | 10.1039/c4ta05530f |
| AgSn25.0BiTe27.0 | 600 | 122 | 115385 | 2.53 | 0.00172 | 0.41 | 10.1039/c4ta05530f |
| AgSn5.0BiTe7.0 | 300 | 112 | 100000 | 1.61 | 0.00125 | 0.23 | 10.1039/c4ta05530f |
| AgSn5.0BiTe7.0 | 400 | 131 | 83700 | 1.63 | 0.00144 | 0.35 | 10.1039/c4ta05530f |
| AgSn5.0BiTe7.0 | 600 | 132 | 73070 | 2.13 | 0.00128 | 0.36 | 10.1039/c4ta05530f |
| AgSn5.0BiTe7.0 | 500 | 137 | 77885 | 1.82 | 0.00146 | 0.40 | 10.1039/c4ta05530f |
| SnTe | 300 | 35 | 777885 | 7.95 | 0.00095 | 0.04 | 10.1039/c4ta05530f |
| SnTe | 400 | 40 | 660577 | 7.37 | 0.00104 | 0.06 | 10.1039/c4ta05530f |
| SnTe | 500 | 49 | 413460 | 6.55 | 0.00099 | 0.08 | 10.1039/c4ta05530f |
| SnTe | 600 | 64 | 306730 | 5.61 | 0.00127 | 0.14 | 10.1039/c4ta05530f |
| Zn0.85Cd0.15Sc0.02O1.03 | 300 | -49 | 19430 | 7.58 | 0.00005 | 0.00 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 373 | -59 | 19800 | 6.58 | 0.00007 | 0.00 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 473 | -70 | 20000 | 5.75 | 0.00010 | 0.01 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 573 | -79 | 19800 | 5.00 | 0.00012 | 0.01 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 673 | -86 | 19200 | 4.42 | 0.00014 | 0.02 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 773 | -96 | 17857 | 4.08 | 0.00017 | 0.03 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 873 | -108 | 16800 | 3.80 | 0.00020 | 0.05 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 973 | -121 | 15400 | 3.33 | 0.00023 | 0.07 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 1073 | -128 | 13800 | 3.25 | 0.00023 | 0.07 | 10.1039/c6ta03126a |
| Zn0.85Cd0.15Sc0.02O1.03 | 1173 | -133 | 12500 | 3.15 | 0.00022 | 0.08 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 300 | -74 | 42857 | 6.75 | 0.00023 | 0.01 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 373 | -83 | 41000 | 5.67 | 0.00028 | 0.02 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 473 | -93 | 38330 | 5.08 | 0.00033 | 0.03 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 573 | -101 | 35570 | 4.25 | 0.00036 | 0.05 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 673 | -110 | 32860 | 3.83 | 0.00040 | 0.07 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 773 | -118 | 30100 | 3.58 | 0.00042 | 0.09 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 873 | -129 | 27710 | 3.30 | 0.00046 | 0.12 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 973 | -139 | 25300 | 3.00 | 0.00049 | 0.16 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 1073 | -147 | 23000 | 2.85 | 0.00050 | 0.19 | 10.1039/c6ta03126a |
| Zn0.875Cd0.125Sc0.02O1.03 | 1173 | -156 | 20700 | 2.58 | 0.00050 | 0.23 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 300 | -60 | 18000 | 11.50 | 0.00006 | 0.00 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 373 | -71 | 17600 | 9.75 | 0.00009 | 0.00 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 473 | -86 | 17300 | 8.00 | 0.00013 | 0.01 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 573 | -100 | 16800 | 6.75 | 0.00017 | 0.01 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 673 | -110 | 16000 | 5.92 | 0.00019 | 0.02 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 773 | -123 | 15000 | 5.20 | 0.00023 | 0.03 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 873 | -132 | 14300 | 4.58 | 0.00025 | 0.05 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 973 | -147 | 12900 | 4.08 | 0.00028 | 0.07 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 1073 | -153 | 11300 | 3.75 | 0.00026 | 0.08 | 10.1039/c6ta03126a |
| Zn0.95Cd0.05Sc0.02O1.03 | 1173 | -160 | 10100 | 3.43 | 0.00026 | 0.09 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.006O1.009 | 300 | -77 | 56145 | 8.44 | 0.00033 | 0.01 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.006O1.009 | 773 | -122 | 36700 | 4.23 | 0.00055 | 0.10 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.006O1.009 | 973 | -139 | 30420 | 3.40 | 0.00059 | 0.17 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.006O1.009 | 1073 | -148 | 27710 | 3.20 | 0.00061 | 0.20 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.006O1.009 | 1173 | -156 | 25300 | 2.92 | 0.00062 | 0.25 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.01O1.015 | 300 | -74 | 62187 | 8.17 | 0.00034 | 0.01 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.01O1.015 | 473 | -92 | 53542 | 5.70 | 0.00045 | 0.04 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.01O1.015 | 573 | -101 | 49000 | 4.94 | 0.00050 | 0.06 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.01O1.015 | 673 | -112 | 44400 | 4.39 | 0.00056 | 0.09 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.01O1.015 | 773 | -121 | 40400 | 4.00 | 0.00059 | 0.11 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 300 | -71 | 59430 | 7.83 | 0.00030 | 0.01 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 373 | -80 | 55500 | 6.50 | 0.00036 | 0.02 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 473 | -87 | 52000 | 5.50 | 0.00039 | 0.03 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 573 | -99 | 47570 | 5.00 | 0.00047 | 0.05 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 673 | -108 | 43000 | 4.34 | 0.00050 | 0.08 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 773 | -119 | 39430 | 3.83 | 0.00056 | 0.11 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 873 | -130 | 35700 | 3.58 | 0.00060 | 0.15 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 973 | -139 | 32000 | 3.26 | 0.00062 | 0.18 | 10.1039/c6ta03126a |

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|---|---|---|---|---|---|---|---|
| Zn0.9Cd0.1Sc0.02O1.03 | 1073 | -150 | 29000 | 3.10 | 0.00065 | 0.23 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.02O1.03 | 1173 | -160 | 26500 | 2.83 | 0.00068 | 0.28 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 300 | -76 | 55100 | 7.91 | 0.00032 | 0.01 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 373 | -83 | 52600 | 6.60 | 0.00036 | 0.02 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 473 | -93 | 48333 | 5.62 | 0.00042 | 0.03 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 573 | -93 | 44000 | 4.93 | 0.00038 | 0.04 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 673 | -111 | 40000 | 4.38 | 0.00049 | 0.08 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 773 | -123 | 36040 | 3.94 | 0.00055 | 0.11 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 873 | -133 | 32917 | 3.61 | 0.00058 | 0.14 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 973 | -142 | 30000 | 3.30 | 0.00060 | 0.18 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 1073 | -150 | 27350 | 3.02 | 0.00062 | 0.22 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.03O1.045 | 1173 | -159 | 25000 | 2.76 | 0.00064 | 0.27 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 300 | -84 | 46667 | 8.00 | 0.00033 | 0.01 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 373 | -93 | 44000 | 6.80 | 0.00038 | 0.02 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 473 | -102 | 41146 | 5.70 | 0.00043 | 0.04 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 573 | -110 | 37604 | 4.95 | 0.00046 | 0.05 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 673 | -119 | 34167 | 4.38 | 0.00048 | 0.07 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 773 | -131 | 31000 | 3.95 | 0.00053 | 0.10 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 873 | -141 | 28125 | 3.56 | 0.00056 | 0.14 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 973 | -151 | 25520 | 3.25 | 0.00058 | 0.17 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 1073 | -161 | 23230 | 2.95 | 0.00060 | 0.22 | 10.1039/c6ta03126a |
| Zn0.9Cd0.1Sc0.04O1.06 | 1173 | -166 | 21145 | 2.70 | 0.00059 | 0.25 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 300 | -165 | 2800 | 52.17 | 0.00008 | 0.00 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 373 | -182 | 3200 | 37.10 | 0.00011 | 0.00 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 473 | -200 | 3500 | 26.08 | 0.00014 | 0.00 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 573 | -215 | 4428 | 19.58 | 0.00020 | 0.01 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 673 | -230 | 5714 | 15.08 | 0.00030 | 0.01 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 773 | -244 | 6570 | 12.08 | 0.00039 | 0.03 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 873 | -256 | 6428 | 10.00 | 0.00042 | 0.04 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 973 | -271 | 5857 | 8.08 | 0.00043 | 0.05 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 1073 | -281 | 5280 | 6.75 | 0.00042 | 0.07 | 10.1039/c6ta03126a |
| ZnSc0.02O1.03 | 1173 | -290 | 4700 | 5.70 | 0.00040 | 0.08 | 10.1039/c6ta03126a |
| CuGa0.97Mn0.03Te2 | 325 | 172 | 25200 | 6.14 | 0.00075 | 0.04 | 10.1039/c6ta11120c |
| CuGa0.97Mn0.03Te2 | 375 | 184 | 24290 | 5.23 | 0.00082 | 0.06 | 10.1039/c6ta11120c |
| CuGa0.97Mn0.03Te2 | 425 | 199 | 23250 | 4.16 | 0.00092 | 0.09 | 10.1039/c6ta11120c |
| CuGa0.97Mn0.03Te2 | 475 | 214 | 22149 | 3.65 | 0.00101 | 0.13 | 10.1039/c6ta11120c |
| CuGa0.97Mn0.03Te2 | 525 | 224 | 21053 | 3.18 | 0.00106 | 0.17 | 10.1039/c6ta11120c |
| CuGa0.97Mn0.03Te2 | 625 | 233 | 21565 | 4.07 | 0.00117 | 0.18 | 10.1039/c6ta11120c |
| CuGa0.97Mn0.03Te2 | 575 | 231 | 20783 | 2.79 | 0.00111 | 0.23 | 10.1039/c6ta11120c |
| CuGa0.97Mn0.03Te2 | 670 | 239 | 22350 | 2.46 | 0.00127 | 0.35 | 10.1039/c6ta11120c |
| CuGa0.98Mn0.02Te2 | 425 | 279 | 10439 | 4.53 | 0.00081 | 0.08 | 10.1039/c6ta11120c |
| CuGa0.98Mn0.02Te2 | 475 | 292 | 9342 | 3.96 | 0.00080 | 0.10 | 10.1039/c6ta11120c |
| CuGa0.98Mn0.02Te2 | 525 | 300 | 9123 | 3.35 | 0.00082 | 0.13 | 10.1039/c6ta11120c |
| CuGa0.98Mn0.02Te2 | 575 | 295 | 10789 | 2.94 | 0.00094 | 0.18 | 10.1039/c6ta11120c |
| CuGa0.98Mn0.02Te2 | 625 | 272 | 15350 | 3.84 | 0.00114 | 0.19 | 10.1039/c6ta11120c |
| CuGa0.98Mn0.02Te2 | 670 | 243 | 21974 | 2.55 | 0.00130 | 0.34 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 325 | 332 | 6053 | 5.38 | 0.00067 | 0.04 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 375 | 340 | 5702 | 4.44 | 0.00066 | 0.06 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 425 | 357 | 5000 | 3.46 | 0.00064 | 0.08 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 475 | 367 | 4825 | 2.96 | 0.00065 | 0.10 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 525 | 365 | 5700 | 2.59 | 0.00076 | 0.15 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 575 | 346 | 8070 | 2.26 | 0.00097 | 0.25 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 718 | 247 | 25300 | 1.95 | 0.00155 | 0.57 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 768 | 236 | 26000 | 1.85 | 0.00145 | 0.61 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 818 | 233 | 27900 | 1.75 | 0.00151 | 0.71 | 10.1039/c6ta11120c |
| CuGa0.99Mn0.01Te2 | 868 | 231 | 29304 | 1.65 | 0.00156 | 0.83 | 10.1039/c6ta11120c |
| CuGaTe2 | 325 | 364 | 2300 | 6.96 | 0.00030 | 0.01 | 10.1039/c6ta11120c |
| CuGaTe2 | 375 | 365 | 2330 | 5.75 | 0.00031 | 0.03 | 10.1039/c6ta11120c |

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|---|---|---|---|---|---|---|---|
| CuGaTe2 | 718 | 265 | 19450 | 2.57 | 0.00137 | 0.38 | 10.1039/c6ta11120c |
| CuGaTe2 | 775 | 251 | 21300 | 2.41 | 0.00135 | 0.43 | 10.1039/c6ta11120c |
| CuGaTe2 | 818 | 248 | 23700 | 2.24 | 0.00146 | 0.53 | 10.1039/c6ta11120c |
| CuGaTe2 | 868 | 240 | 24300 | 2.09 | 0.00140 | 0.58 | 10.1039/c6ta11120c |
| (Sn0.8Ge0.2)0.82Mn0.18Te | 300 | 60 | 169300 | 2.13 | 0.00062 | 0.09 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.82Mn0.18Te | 673 | 126 | 108900 | 1.54 | 0.00173 | 0.76 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.82Mn0.18Te | 773 | 141 | 90910 | 1.54 | 0.00182 | 0.91 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.82Mn0.18Te | 873 | 153 | 80600 | 1.51 | 0.00189 | 1.09 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.85Mn0.15Te | 373 | 68 | 179000 | 1.98 | 0.00082 | 0.16 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.85Mn0.15Te | 473 | 85 | 156300 | 1.73 | 0.00112 | 0.31 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.85Mn0.15Te | 573 | 100 | 135100 | 1.64 | 0.00135 | 0.47 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.85Mn0.15Te | 673 | 119 | 116900 | 1.55 | 0.00166 | 0.72 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.85Mn0.15Te | 773 | 134 | 100000 | 1.41 | 0.00180 | 0.99 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.85Mn0.15Te | 873 | 152 | 83300 | 1.38 | 0.00192 | 1.22 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.88Mn0.12Te | 298 | 50 | 226695 | 2.56 | 0.00057 | 0.07 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.88Mn0.12Te | 373 | 61 | 204200 | 2.49 | 0.00076 | 0.11 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.88Mn0.12Te | 473 | 78 | 175900 | 2.06 | 0.00107 | 0.25 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.88Mn0.12Te | 573 | 95 | 150750 | 1.95 | 0.00137 | 0.40 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.88Mn0.12Te | 673 | 113 | 127685 | 1.83 | 0.00163 | 0.60 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.88Mn0.12Te | 773 | 130 | 107400 | 1.74 | 0.00182 | 0.81 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.88Mn0.12Te | 873 | 152 | 84786 | 1.68 | 0.00196 | 1.01 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.8Mn0.2Te | 298 | 60 | 161000 | 2.23 | 0.00058 | 0.08 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.8Mn0.2Te | 373 | 73 | 142000 | 1.98 | 0.00076 | 0.14 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.8Mn0.2Te | 473 | 92 | 130807 | 1.74 | 0.00112 | 0.30 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.8Mn0.2Te | 573 | 111 | 112869 | 1.68 | 0.00139 | 0.46 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.8Mn0.2Te | 673 | 124 | 102700 | 1.57 | 0.00157 | 0.67 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.8Mn0.2Te | 773 | 142 | 85460 | 1.56 | 0.00172 | 0.85 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.8Mn0.2Te | 873 | 153 | 78800 | 1.51 | 0.00184 | 1.06 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.91Mn0.09Te | 373 | 57 | 220164 | 2.53 | 0.00073 | 0.11 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.91Mn0.09Te | 473 | 74 | 186400 | 2.21 | 0.00102 | 0.22 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.91Mn0.09Te | 573 | 94 | 155977 | 2.11 | 0.00138 | 0.37 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.91Mn0.09Te | 773 | 133 | 107400 | 1.94 | 0.00189 | 0.75 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.94Mn0.06Te | 373 | 55 | 252358 | 2.88 | 0.00075 | 0.10 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.94Mn0.06Te | 473 | 69 | 210600 | 2.58 | 0.00101 | 0.19 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.94Mn0.06Te | 573 | 87 | 173100 | 2.46 | 0.00130 | 0.30 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.94Mn0.06Te | 673 | 107 | 141100 | 2.21 | 0.00162 | 0.49 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.94Mn0.06Te | 773 | 127 | 113830 | 2.05 | 0.00184 | 0.69 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.94Mn0.06Te | 873 | 146 | 94350 | 1.88 | 0.00202 | 0.94 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.97Mn0.03Te | 573 | 82 | 203400 | 2.98 | 0.00137 | 0.26 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.97Mn0.03Te | 673 | 99 | 163610 | 2.679 | 0.00162 | 0.41 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.97Mn0.03Te | 773 | 117 | 129200 | 2.36 | 0.00177 | 0.58 | 10.1039/c7cp04931e |
| (Sn0.8Ge0.2)0.97Mn0.03Te | 873 | 141 | 102300 | 2.04 | 0.00204 | 0.87 | 10.1039/c7cp04931e |
| Sn0.8Ge0.2Te | 373 | 45 | 410900 | 4.84 | 0.00082 | 0.06 | 10.1039/c7cp04931e |
| Sn0.8Ge0.2Te | 473 | 54 | 329200 | 4.72 | 0.00095 | 0.10 | 10.1039/c7cp04931e |
| Sn0.8Ge0.2Te | 573 | 68 | 256000 | 4.37 | 0.00117 | 0.15 | 10.1039/c7cp04931e |
| Sn0.8Ge0.2Te | 673 | 86 | 203850 | 3.66 | 0.00150 | 0.28 | 10.1039/c7cp04931e |
| Sn0.8Ge0.2Te | 773 | 109 | 156700 | 3.45 | 0.00186 | 0.42 | 10.1039/c7cp04931e |
| Sn0.8Ge0.2Te | 873 | 130 | 122500 | 3.10 | 0.00207 | 0.59 | 10.1039/c7cp04931e |
| SnTe | 298 | 29 | 768116 | 6.50 | 0.00065 | 0.04 | 10.1039/c7cp04931e |
| SnTe | 373 | 36 | 630900 | 6.00 | 0.00080 | 0.05 | 10.1039/c7cp04931e |
| SnTe | 473 | 44 | 434400 | 5.39 | 0.00084 | 0.07 | 10.1039/c7cp04931e |
| SnTe | 573 | 56 | 335400 | 5.20 | 0.00105 | 0.11 | 10.1039/c7cp04931e |
| SnTe | 673 | 66 | 263500 | 4.79 | 0.00115 | 0.16 | 10.1039/c7cp04931e |
| SnTe | 773 | 78 | 208500 | 4.09 | 0.00126 | 0.24 | 10.1039/c7cp04931e |
| SnTe | 873 | 90 | 162500 | 3.60 | 0.00132 | 0.32 | 10.1039/c7cp04931e |
| AgBiSe2.0 | 323 | -133 | 18550 | 0.61 | 0.00033 | 0.18 | 10.1039/c7dt04821a |
| AgBiSe2.0 | 514 | -177 | 13400 | 0.71 | 0.00042 | 0.30 | 10.1039/c7dt04821a |
| AgBiSe2.0 | 418 | -145 | 20928 | 0.59 | 0.00044 | 0.31 | 10.1039/c7dt04821a |

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|---|---|---|---|---|---|---|---|
| AgBiSe2.0 | 612 | -263 | 4536 | 0.50 | 0.00031 | 0.38 | 10.1039/c7dt04821a |
| AgBiSe2.0 | 660 | -272 | 4251 | 0.47 | 0.00031 | 0.44 | 10.1039/c7dt04821a |
| AgBiSe2.0 | 710 | -264 | 4650 | 0.47 | 0.00032 | 0.49 | 10.1039/c7dt04821a |
| AgBiSe2.0 | 757 | -233 | 6846 | 0.49 | 0.00037 | 0.58 | 10.1039/c7dt04821a |
| Ge0.99Te | 323 | 41 | 699510 | 5.70 | 0.00115 | 0.07 | 10.1039/C9EE00317G |
| Ge0.99Te | 423 | 58 | 512635 | 4.72 | 0.00172 | 0.15 | 10.1039/C9EE00317G |
| Ge0.99Te | 523 | 85 | 369792 | 3.71 | 0.00270 | 0.38 | 10.1039/C9EE00317G |
| Ge0.99Te | 623 | 120 | 289206 | 3.26 | 0.00416 | 0.80 | 10.1039/C9EE00317G |
| Ge0.99Te | 673 | 134 | 281188 | 3.50 | 0.00500 | 0.96 | 10.1039/C9EE00317G |
| Ge1.04Te | 323 | 72 | 463000 | 5.24 | 0.00240 | 0.17 | 10.1039/C9EE00317G |
| Ge1.04Te | 423 | 101 | 323462 | 4.11 | 0.00327 | 0.34 | 10.1039/C9EE00317G |
| Ge1.04Te | 523 | 137 | 211000 | 3.06 | 0.00396 | 0.68 | 10.1039/C9EE00317G |
| Ge1.04Te | 623 | 176 | 144750 | 2.38 | 0.00448 | 1.17 | 10.1039/C9EE00317G |
| Ge1.04Te | 673 | 182 | 154013 | 2.24 | 0.00510 | 1.53 | 10.1039/C9EE00317G |
| GeTe | 323 | 49 | 586777 | 5.70 | 0.00141 | 0.08 | 10.1039/C9EE00317G |
| GeTe | 423 | 68 | 425150 | 4.72 | 0.00197 | 0.18 | 10.1039/C9EE00317G |
| GeTe | 523 | 97 | 296450 | 3.71 | 0.00279 | 0.39 | 10.1039/C9EE00317G |
| GeTe | 623 | 146 | 205800 | 2.75 | 0.00439 | 0.99 | 10.1039/C9EE00317G |
| GeTe | 673 | 172 | 178840 | 2.31 | 0.00529 | 1.54 | 10.1039/C9EE00317G |
| Cu2.82Ag0.18SbSe4 | 298 | 329 | 11329 | 1.75 | 0.00123 | 0.21 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 323 | 336 | 10316 | 1.54 | 0.00116 | 0.25 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 348 | 363 | 9378 | 1.38 | 0.00124 | 0.31 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 373 | 370 | 8522 | 1.24 | 0.00117 | 0.36 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 398 | 381 | 7510 | 1.15 | 0.00109 | 0.38 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 423 | 392 | 6490 | 1.08 | 0.00100 | 0.40 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 448 | 408 | 5851 | 1.00 | 0.00097 | 0.43 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 473 | 411 | 5782 | 0.93 | 0.00098 | 0.50 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 498 | 395 | 6222 | 0.90 | 0.00097 | 0.54 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 523 | 395.3 | 6622 | 0.85 | 0.00104 | 0.64 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 548 | 383.5 | 7000 | 0.83 | 0.00103 | 0.69 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 573 | 378 | 7396 | 0.80 | 0.00106 | 0.75 | 10.1039/c9ta05115e |
| Cu2.82Ag0.18SbSe4 | 598 | 370 | 7809 | 0.76 | 0.00107 | 0.84 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 298 | 338 | 13611 | 2.00 | 0.00155 | 0.23 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 323 | 344 | 12645 | 1.87 | 0.00150 | 0.26 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 348 | 356 | 11329 | 1.68 | 0.00144 | 0.30 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 373 | 369 | 10316 | 1.49 | 0.00140 | 0.35 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 398 | 378 | 9159 | 1.39 | 0.00131 | 0.37 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 423 | 394 | 7716 | 1.29 | 0.00120 | 0.40 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 448 | 410 | 6667 | 1.19 | 0.00112 | 0.42 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 473 | 408 | 6282 | 1.09 | 0.00105 | 0.45 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 498 | 400 | 6447 | 1.04 | 0.00103 | 0.50 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 523 | 397 | 6877 | 1.00 | 0.00108 | 0.56 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 573 | 361 | 7597 | 0.90 | 0.00099 | 0.61 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 548 | 379 | 7286 | 0.94 | 0.00105 | 0.62 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 598 | 350 | 8000 | 0.85 | 0.00098 | 0.67 | 10.1039/c9ta05115e |
| Cu2.88Ag0.12SbSe4 | 623 | 346 | 7720 | 0.79 | 0.00092 | 0.75 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 298 | 397 | 6784 | 2.23 | 0.00107 | 0.14 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 323 | 407 | 6275 | 2.05 | 0.00104 | 0.16 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 348 | 428 | 5714 | 1.85 | 0.00105 | 0.20 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 373 | 427 | 5288 | 1.65 | 0.00096 | 0.22 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 398 | 430 | 4923 | 1.54 | 0.00091 | 0.24 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 423 | 439 | 4615 | 1.42 | 0.00089 | 0.26 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 448 | 435 | 4384 | 1.31 | 0.00083 | 0.28 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 473 | 439 | 4444 | 1.20 | 0.00086 | 0.34 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 498 | 415 | 4824 | 1.15 | 0.00083 | 0.36 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 523 | 403 | 5134 | 1.10 | 0.00083 | 0.39 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 548 | 372 | 5501 | 1.04 | 0.00076 | 0.40 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 573 | 368 | 5944 | 1.00 | 0.00080 | 0.47 | 10.1039/c9ta05115e |

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|---|---|---|---|---|---|---|---|
| Cu2.94Ag0.06SbSe4 | 598 | 355 | 6667 | 0.96 | 0.00084 | 0.52 | 10.1039/c9ta05115e |
| Cu2.94Ag0.06SbSe4 | 623 | 346 | 7273 | 0.93 | 0.00087 | 0.59 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 298 | 479 | 2546 | 2.75 | 0.00058 | 0.06 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 323 | 497 | 2394 | 2.42 | 0.00059 | 0.08 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 348 | 498 | 2302 | 2.15 | 0.00057 | 0.09 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 373 | 483 | 2367 | 1.90 | 0.00055 | 0.11 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 398 | 465 | 2487 | 1.76 | 0.00054 | 0.12 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 423 | 454 | 2563 | 1.63 | 0.00053 | 0.14 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 448 | 427 | 2803 | 1.50 | 0.00051 | 0.15 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 473 | 409 | 3227 | 1.37 | 0.00054 | 0.19 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 498 | 397 | 3820 | 1.30 | 0.00060 | 0.23 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 523 | 379 | 4518 | 1.24 | 0.00065 | 0.27 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 548 | 369 | 5150 | 1.20 | 0.00070 | 0.32 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 573 | 356 | 5890 | 1.12 | 0.00075 | 0.38 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 598 | 338 | 6670 | 1.06 | 0.00076 | 0.44 | 10.1039/c9ta05115e |
| Cu3.0SbSe4 | 623 | 330 | 7471 | 1.02 | 0.00081 | 0.50 | 10.1039/c9ta05115e |
| Bi1.2Sb0.8Se2.76Cl0.24 | 300 | -89 | 39724 | 0.72 | 0.00031 | 0.13 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.76Cl0.24 | 400 | -115 | 31602 | 0.69 | 0.00042 | 0.24 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.76Cl0.24 | 500 | -143 | 23923 | 0.65 | 0.00049 | 0.38 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.76Cl0.24 | 600 | -168 | 19392 | 0.62 | 0.00055 | 0.53 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.76Cl0.24 | 700 | -188 | 15900 | 0.57 | 0.00056 | 0.69 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.82Cl0.18 | 300 | -92 | 36263 | 0.83 | 0.00031 | 0.11 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.82Cl0.18 | 400 | -116 | 28287 | 0.77 | 0.00038 | 0.20 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.82Cl0.18 | 500 | -144 | 22044 | 0.71 | 0.00046 | 0.32 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.82Cl0.18 | 600 | -168 | 17680 | 0.66 | 0.00050 | 0.45 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.82Cl0.18 | 700 | -190 | 15138 | 0.62 | 0.00055 | 0.62 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.88Cl0.12 | 300 | -97 | 29670 | 0.82 | 0.00028 | 0.10 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.88Cl0.12 | 400 | -123 | 22652 | 0.77 | 0.00034 | 0.18 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.88Cl0.12 | 500 | -152 | 17127 | 0.71 | 0.00040 | 0.28 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.88Cl0.12 | 600 | -177 | 13700 | 0.67 | 0.00043 | 0.38 | 10.1039/d0ra04065g |
| Bi1.2Sb0.8Se2.88Cl0.12 | 700 | -197 | 11320 | 0.62 | 0.00044 | 0.50 | 10.1039/d0ra04065g |
| BiSbSe2.76Cl0.24 | 300 | -132 | 13260 | 0.58 | 0.00023 | 0.12 | 10.1039/d0ra04065g |
| BiSbSe2.76Cl0.24 | 400 | -159 | 11050 | 0.54 | 0.00028 | 0.21 | 10.1039/d0ra04065g |
| BiSbSe2.76Cl0.24 | 500 | -192 | 8730 | 0.49 | 0.00032 | 0.33 | 10.1039/d0ra04065g |
| BiSbSe2.76Cl0.24 | 600 | -222 | 7350 | 0.45 | 0.00036 | 0.48 | 10.1039/d0ra04065g |
| BiSbSe2.76Cl0.24 | 700 | -245 | 6188 | 0.41 | 0.00037 | 0.63 | 10.1039/d0ra04065g |
| BiSbSe2.82Cl0.18 | 300 | -125 | 18010 | 0.62 | 0.00028 | 0.14 | 10.1039/d0ra04065g |
| BiSbSe2.82Cl0.18 | 400 | -152 | 14800 | 0.58 | 0.00034 | 0.24 | 10.1039/d0ra04065g |
| BiSbSe2.82Cl0.18 | 500 | -182 | 11770 | 0.55 | 0.00039 | 0.35 | 10.1039/d0ra04065g |
| BiSbSe2.82Cl0.18 | 600 | -212 | 9834 | 0.52 | 0.00044 | 0.51 | 10.1039/d0ra04065g |
| BiSbSe2.82Cl0.18 | 700 | -232 | 8400 | 0.48 | 0.00045 | 0.66 | 10.1039/d0ra04065g |
| BiSbSe2.88Cl0.12 | 300 | -165 | 7735 | 0.56 | 0.00021 | 0.11 | 10.1039/d0ra04065g |
| BiSbSe2.88Cl0.12 | 400 | -195 | 6740 | 0.52 | 0.00026 | 0.20 | 10.1039/d0ra04065g |
| BiSbSe2.88Cl0.12 | 500 | -232 | 5450 | 0.47 | 0.00029 | 0.31 | 10.1039/d0ra04065g |
| BiSbSe2.88Cl0.12 | 600 | -264 | 4390 | 0.44 | 0.00031 | 0.42 | 10.1039/d0ra04065g |
| BiSbSe2.88Cl0.12 | 700 | -289 | 3615 | 0.42 | 0.00030 | 0.51 | 10.1039/d0ra04065g |
| Sr14.1Ga29.6Ge56.3 | 367 | -126 | 61474 | 1.47 | 0.00097 | 0.24 | 10.1063/1.2194187 |
| Sr14.1Ga29.6Ge56.3 | 774 | -160 | 31185 | 1.89 | 0.00080 | 0.33 | 10.1063/1.2194187 |
| Sr14.1Ga29.6Ge56.3 | 463 | -141 | 54450 | 1.51 | 0.00107 | 0.33 | 10.1063/1.2194187 |
| Sr14.1Ga29.6Ge56.3 | 568 | -151 | 46800 | 1.74 | 0.00106 | 0.35 | 10.1063/1.2194187 |
| Sr14.1Ga29.6Ge56.3 | 669 | -161 | 38620 | 1.62 | 0.00100 | 0.41 | 10.1063/1.2194187 |
| Sr14.5Ga29.2Ge56.3 | 367 | -114 | 81502 | 1.60 | 0.00106 | 0.24 | 10.1063/1.2194187 |
| Sr14.5Ga29.2Ge56.3 | 463 | -130 | 70237 | 1.57 | 0.00119 | 0.35 | 10.1063/1.2194187 |
| Sr14.5Ga29.2Ge56.3 | 564 | -144 | 59949 | 1.80 | 0.00123 | 0.39 | 10.1063/1.2194187 |
| Sr14.5Ga29.2Ge56.3 | 669 | -156 | 50350 | 1.68 | 0.00123 | 0.49 | 10.1063/1.2194187 |
| Sr14.5Ga29.2Ge56.3 | 774 | -167 | 40300 | 1.75 | 0.00112 | 0.49 | 10.1063/1.2194187 |
| Sr14.7Ga28.7Ge56.6 | 563 | -124 | 78042 | 1.74 | 0.00120 | 0.39 | 10.1063/1.2194187 |
| Sr14.7Ga28.7Ge56.6 | 666 | -134 | 66427 | 1.53 | 0.00119 | 0.52 | 10.1063/1.2194187 |

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|---|---|---|---|---|---|---|---|
| Sr14.7Ga28.7Ge56.6 | 772 | -154 | 52325 | 1.51 | 0.00124 | 0.63 | 10.1063/1.2194187 |
| Sr14.8Ga28.6Ge56.6 | 408 | -87 | 108391 | 2.15 | 0.00083 | 0.16 | 10.1063/1.2194187 |
| Sr14.8Ga28.6Ge56.6 | 510 | -101 | 92545 | 2.16 | 0.00094 | 0.22 | 10.1063/1.2194187 |
| Sr14.8Ga28.6Ge56.6 | 613 | -113 | 79260 | 2.41 | 0.00100 | 0.25 | 10.1063/1.2194187 |
| Sr14.8Ga28.6Ge56.6 | 711 | -124 | 65608 | 2.23 | 0.00101 | 0.32 | 10.1063/1.2194187 |
| Sr15Ga29.5Ge55.6 | 375 | -167 | 35082 | 1.02 | 0.00098 | 0.36 | 10.1063/1.2194187 |
| Sr15Ga29.5Ge55.6 | 774 | -193 | 21700 | 1.56 | 0.00081 | 0.40 | 10.1063/1.2194187 |
| Sr15Ga29.5Ge55.6 | 468 | -184 | 30610 | 1.05 | 0.00104 | 0.46 | 10.1063/1.2194187 |
| Sr15Ga29.5Ge55.6 | 568 | -197 | 26375 | 1.21 | 0.00102 | 0.48 | 10.1063/1.2194187 |
| Sr15Ga29.5Ge55.6 | 669 | -208 | 22733 | 1.22 | 0.00098 | 0.53 | 10.1063/1.2194187 |
| BaCu3.96S3.0 | 300 | 55 | 26856 | 0.68 | 0.00008 | 0.04 | 10.1063/1.5099291 |
| BaCu3.96S3.0 | 400 | 68 | 23454 | 0.71 | 0.00011 | 0.06 | 10.1063/1.5099291 |
| BaCu3.96S3.0 | 500 | 84 | 20103 | 0.77 | 0.00014 | 0.09 | 10.1063/1.5099291 |
| BaCu3.96S3.0 | 600 | 103 | 17630 | 0.84 | 0.00019 | 0.13 | 10.1063/1.5099291 |
| BaCu3.96S3.0 | 700 | 129 | 14795 | 0.83 | 0.00025 | 0.21 | 10.1063/1.5099291 |
| BaCu4.0S3.0 | 300 | 65 | 15464 | 0.70 | 0.00007 | 0.03 | 10.1063/1.5099291 |
| BaCu4.0S3.0 | 400 | 77 | 13920 | 0.75 | 0.00008 | 0.04 | 10.1063/1.5099291 |
| BaCu4.0S3.0 | 500 | 92 | 12216 | 0.81 | 0.00010 | 0.06 | 10.1063/1.5099291 |
| BaCu4.0S3.0 | 600 | 111 | 10825 | 0.88 | 0.00013 | 0.09 | 10.1063/1.5099291 |
| BaCu4.0S3.0 | 700 | 141 | 9381 | 0.86 | 0.00019 | 0.15 | 10.1063/1.5099291 |
| TiS2 | 300 | -251 | 58824 | 67.80 | 0.00371 | 0.02 | 10.1103/PhysRevB.64.241104 |
| Ba8.02Cu4.98Si35Ge5.99 | 417 | -58 | 131400 | 2.17 | 0.00044 | 0.08 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 466 | -65 | 121200 | 2.19 | 0.00052 | 0.11 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 517 | -72 | 115320 | 2.23 | 0.00060 | 0.14 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 566 | -79 | 109000 | 2.25 | 0.00067 | 0.17 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 615 | -84 | 103623 | 2.25 | 0.00074 | 0.20 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 665 | -90 | 95350 | 2.25 | 0.00077 | 0.24 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 713 | -95 | 90500 | 2.29 | 0.00081 | 0.26 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 763 | -100 | 85119 | 2.35 | 0.00085 | 0.27 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu4.98Si35Ge5.99 | 811 | -102 | 81700 | 2.41 | 0.00085 | 0.29 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu5.04Si6Ge34.93 | 566 | -107 | 60700 | 1.40 | 0.00069 | 0.28 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu5.04Si6Ge34.93 | 615 | -116 | 56349 | 1.38 | 0.00075 | 0.34 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu5.04Si6Ge34.93 | 665 | -125 | 52000 | 1.40 | 0.00081 | 0.38 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu5.04Si6Ge34.93 | 716 | -130 | 47500 | 1.33 | 0.00081 | 0.43 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu5.04Si6Ge34.93 | 766 | -134 | 44660 | 1.37 | 0.00081 | 0.45 | 10.1103/PhysRevB.87.115206 |
| Ba8.02Cu5.04Si6Ge34.93 | 814 | -138 | 42180 | 1.39 | 0.00080 | 0.47 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 415 | -114 | 45700 | 1.32 | 0.00059 | 0.19 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 465 | -125 | 42120 | 1.27 | 0.00066 | 0.24 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 514 | -136 | 38800 | 1.25 | 0.00072 | 0.30 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 564 | -147 | 35600 | 1.24 | 0.00076 | 0.35 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 613 | -157 | 32900 | 1.25 | 0.00081 | 0.40 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 809 | -163 | 27310 | 1.49 | 0.00073 | 0.40 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 760 | -165 | 27735 | 1.38 | 0.00076 | 0.42 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 711 | -167 | 28630 | 1.32 | 0.00080 | 0.43 | 10.1103/PhysRevB.87.115206 |
| Ba8.03Cu5Ge40.97 | 661 | -167 | 30340 | 1.28 | 0.00084 | 0.44 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 760 | -117 | 27550 | 1.87 | 0.00037 | 0.15 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 712 | -132 | 25850 | 1.76 | 0.00045 | 0.18 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 417 | -154 | 28650 | 1.30 | 0.00068 | 0.22 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 663 | -147 | 25100 | 1.65 | 0.00054 | 0.22 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 615 | -160 | 25000 | 1.53 | 0.00064 | 0.26 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 466 | -163 | 27400 | 1.31 | 0.00072 | 0.26 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 514 | -168 | 26350 | 1.36 | 0.00074 | 0.28 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.99Si18Ge22.98 | 566 | -170 | 25500 | 1.42 | 0.00074 | 0.29 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.9Si3.23Ge37.83 | 417 | -81 | 85500 | 1.56 | 0.00056 | 0.15 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.9Si3.23Ge37.83 | 466 | -90 | 77600 | 1.55 | 0.00063 | 0.19 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.9Si3.23Ge37.83 | 517 | -100 | 71000 | 1.52 | 0.00070 | 0.24 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.9Si3.23Ge37.83 | 663 | -130 | 55000 | 1.51 | 0.00093 | 0.41 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.9Si3.23Ge37.83 | 712 | -137 | 50825 | 1.51 | 0.00095 | 0.45 | 10.1103/PhysRevB.87.115206 |

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|---|---|---|---|---|---|---|---|
| Ba8.04Cu4.9Si3.23Ge37.83 | 763 | -143 | 47800 | 1.53 | 0.00098 | 0.48 | 10.1103/PhysRevB.87.115206 |
| Ba8.04Cu4.9Si3.23Ge37.83 | 810 | -143 | 45500 | 1.53 | 0.00093 | 0.49 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 417 | -54 | 150300 | 2.86 | 0.00044 | 0.06 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 466 | -60 | 143000 | 2.72 | 0.00051 | 0.09 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 517 | -66 | 136190 | 2.70 | 0.00059 | 0.11 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 566 | -73 | 128829 | 2.69 | 0.00068 | 0.14 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 615 | -78 | 123300 | 2.70 | 0.00075 | 0.17 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 665 | -83 | 115320 | 2.72 | 0.00079 | 0.19 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 713 | -87 | 110000 | 2.80 | 0.00083 | 0.21 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 763 | -91 | 103700 | 2.88 | 0.00086 | 0.23 | 10.1103/PhysRevB.87.115206 |
| Ba8.07Cu4.89Si41.03 | 811 | -93 | 100000 | 2.92 | 0.00086 | 0.24 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 417 | -83 | 80226 | 1.87 | 0.00055 | 0.12 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 466 | -92 | 74300 | 1.87 | 0.00063 | 0.16 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 517 | -100 | 69600 | 1.86 | 0.00069 | 0.19 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 566 | -106 | 65100 | 1.84 | 0.00073 | 0.22 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 615 | -112 | 61210 | 1.82 | 0.00077 | 0.26 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 665 | -116 | 57450 | 1.81 | 0.00078 | 0.28 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 713 | -120 | 53800 | 1.81 | 0.00078 | 0.31 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 763 | -125 | 50710 | 1.81 | 0.00079 | 0.33 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.04Si13.01Ge27.96 | 811 | -124 | 49200 | 1.81 | 0.00076 | 0.34 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 415 | -90 | 69900 | 1.67 | 0.00057 | 0.14 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 466 | -101 | 65700 | 1.68 | 0.00067 | 0.19 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 514 | -111 | 60944 | 1.65 | 0.00076 | 0.23 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 566 | -119 | 56800 | 1.67 | 0.00080 | 0.27 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 613 | -126 | 52780 | 1.70 | 0.00084 | 0.30 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 663 | -133 | 49306 | 1.64 | 0.00087 | 0.35 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 809 | -136 | 41600 | 1.64 | 0.00076 | 0.38 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 711 | -139 | 46254 | 1.67 | 0.00089 | 0.38 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5.18Si9.98Ge30.85 | 760 | -140 | 43500 | 1.66 | 0.00085 | 0.39 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 415 | -66 | 107000 | 1.88 | 0.00047 | 0.10 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 465 | -76 | 100000 | 1.87 | 0.00057 | 0.14 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 514 | -83 | 94600 | 1.89 | 0.00065 | 0.18 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 564 | -91 | 88700 | 1.90 | 0.00073 | 0.22 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 613 | -98 | 84000 | 1.90 | 0.00080 | 0.26 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 661 | -103 | 78400 | 1.91 | 0.00082 | 0.28 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 711 | -108 | 72800 | 1.91 | 0.00085 | 0.31 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 809 | -112 | 65700 | 2.05 | 0.00082 | 0.32 | 10.1103/PhysRevB.87.115206 |
| Ba8Cu5Si25Ge16 | 760 | -111 | 68550 | 1.92 | 0.00084 | 0.33 | 10.1103/PhysRevB.87.115206 |
| SnS | 300 | 211.3 | 69230 | 3.28 | 0.00309 | 0.30 | 10.1126/science.aax5123 |
| SnS | 423 | 256 | 38149 | 2.16 | 0.00251 | 0.49 | 10.1126/science.aax5123 |
| SnS | 573 | 305 | 19318 | 1.47 | 0.00180 | 0.69 | 10.1126/science.aax5123 |
| SnS | 723 | 413 | 6500 | 1.03 | 0.00111 | 0.79 | 10.1126/science.aax5123 |
| SnS | 873 | 361 | 5700 | 0.73 | 0.00074 | 0.91 | 10.1126/science.aax5123 |
| SnS0.88Se0.12 | 300 | 184 | 102724 | 2.37 | 0.00348 | 0.44 | 10.1126/science.aax5123 |
| SnS0.88Se0.12 | 423 | 213 | 54487 | 1.82 | 0.00247 | 0.57 | 10.1126/science.aax5123 |
| SnS0.88Se0.12 | 573 | 250 | 23000 | 1.27 | 0.00156 | 0.70 | 10.1126/science.aax5123 |
| SnS0.88Se0.12 | 872 | 378 | 6200 | 1.00 | 0.00080 | 0.72 | 10.1126/science.aax5123 |
| SnS0.88Se0.12 | 723 | 377 | 8150 | 0.99 | 0.00116 | 0.83 | 10.1126/science.aax5123 |
| SnS0.91Se0.09 | 300 | 204 | 128084 | 2.30 | 0.00530 | 0.69 | 10.1126/science.aax5123 |
| SnS0.91Se0.09 | 423 | 243 | 73350 | 1.71 | 0.00427 | 1.05 | 10.1126/science.aax5123 |
| SnS0.91Se0.09 | 573 | 293 | 31650 | 1.22 | 0.00271 | 1.28 | 10.1126/science.aax5123 |
| SnS0.91Se0.09 | 723 | 375 | 12200 | 0.87 | 0.00172 | 1.42 | 10.1126/science.aax5123 |
| SnS0.91Se0.09 | 873 | 379 | 7500 | 0.63 | 0.00112 | 1.64 | 10.1126/science.aax5123 |
| SnS0.94Se0.06 | 300 | 218 | 88600 | 2.55 | 0.00421 | 0.50 | 10.1126/science.aax5123 |
| SnS0.94Se0.06 | 423 | 259 | 47100 | 1.81 | 0.00316 | 0.74 | 10.1126/science.aax5123 |
| SnS0.94Se0.06 | 573 | 305 | 20600 | 1.33 | 0.00192 | 0.83 | 10.1126/science.aax5123 |
| SnS0.94Se0.06 | 723 | 370 | 9400 | 1.03 | 0.00130 | 0.90 | 10.1126/science.aax5123 |
| SnS0.94Se0.06 | 873 | 382 | 6730 | 0.67 | 0.00098 | 1.25 | 10.1126/science.aax5123 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SnS0.97Se0.03 | 300 | 215 | 73400 | 2.92 | 0.00339 | 0.35 | 10.1126/science.aax5123 |
| SnS0.97Se0.03 | 423 | 253 | 41300 | 2.19 | 0.00262 | 0.51 | 10.1126/science.aax5123 |
| SnS0.97Se0.03 | 573 | 300 | 20200 | 1.49 | 0.00176 | 0.69 | 10.1126/science.aax5123 |
| TlCr5Se8 | 323 | 226 | 6670 | 0.71 | 0.00034 | 0.16 | dx.doi.org/10.1021/cm400365q |
| TlCr5Se8 | 423 | 247 | 5878 | 0.71 | 0.00036 | 0.22 | dx.doi.org/10.1021/cm400365q |
| TlCr5Se8 | 523 | 267 | 5400 | 0.71 | 0.00038 | 0.29 | dx.doi.org/10.1021/cm400365q |
| TlCr5Se8 | 623 | 284 | 5010 | 0.69 | 0.00040 | 0.38 | dx.doi.org/10.1021/cm400365q |
| TlCr5Se8 | 723 | 296 | 4880 | 0.68 | 0.00043 | 0.45 | dx.doi.org/10.1021/cm400365q |
| TlCr5Se8 | 823 | 295 | 5000 | 0.70 | 0.00044 | 0.51 | dx.doi.org/10.1021/cm400365q |
| LaCo0.5(Ni0.5Fe0.5)0.5O3 | 300 | 109 | 1060 | 0.07 | 0.00001 | 0.05 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.5Fe0.5O3 | 300 | 655 | 5 | 0.22 | 0.00000 | 0.00 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.75Fe0.25O3 | 300 | 629 | 22 | 0.31 | 0.00001 | 0.01 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.75Ni0.25O3 | 300 | 114 | 4340 | 0.33 | 0.00006 | 0.05 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.8(Ni0.5Fe0.5)0.2O3 | 300 | 234 | 1380 | 0.16 | 0.00008 | 0.16 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.9(Ni0.5Fe0.5)0.1O3 | 300 | 328 | 829 | 0.48 | 0.00009 | 0.06 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.95Fe0.05O3 | 300 | 615 | 45 | 0.29 | 0.00002 | 0.03 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.95Ni0.05O3 | 300 | 302 | 1496 | 0.55 | 0.00014 | 0.07 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.9Fe0.1O3 | 300 | 599 | 39 | 0.26 | 0.00001 | 0.02 | dx.doi.org/10.1021/jp3021408 |
| LaCo0.9Ni0.1O3 | 300 | 265 | 1518 | 0.43 | 0.00011 | 0.07 | dx.doi.org/10.1021/jp3021408 |
| LaCoO3 | 300 | 600 | 64 | 0.43 | 0.00002 | 0.02 | dx.doi.org/10.1021/jp3021408 |
| Bi0.92Ag0.08CuSeO | 323 | 185 | 2420 | 0.53 | 0.00008 | 0.05 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 373 | 194 | 2190 | 0.53 | 0.00008 | 0.06 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 423 | 203 | 1910 | 0.48 | 0.00008 | 0.07 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 473 | 221 | 1675 | 0.45 | 0.00008 | 0.09 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 523 | 255 | 1880 | 0.44 | 0.00012 | 0.15 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 573 | 293 | 2020 | 0.43 | 0.00017 | 0.23 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 673 | 331 | 2210 | 0.43 | 0.00024 | 0.38 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 723 | 333 | 2310 | 0.41 | 0.00026 | 0.45 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.92Ag0.08CuSeO | 773 | 336 | 2325 | 0.40 | 0.00026 | 0.50 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.94Ag0.06CuSeO | 323 | 223 | 1662 | 0.55 | 0.00008 | 0.05 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.94Ag0.06CuSeO | 373 | 236 | 1576 | 0.55 | 0.00009 | 0.06 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.94Ag0.06CuSeO | 423 | 250 | 1430 | 0.52 | 0.00009 | 0.07 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.94Ag0.06CuSeO | 473 | 260 | 1470 | 0.50 | 0.00010 | 0.09 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.94Ag0.06CuSeO | 523 | 274 | 1580 | 0.49 | 0.00012 | 0.13 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.94Ag0.06CuSeO | 573 | 297 | 1649 | 0.48 | 0.00015 | 0.17 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.94Ag0.06CuSeO | 673 | 322 | 1934 | 0.49 | 0.00020 | 0.28 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 323 | 229 | 1623 | 0.58 | 0.00009 | 0.05 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 373 | 249 | 1565 | 0.57 | 0.00010 | 0.06 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 423 | 268 | 1477 | 0.54 | 0.00011 | 0.08 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 473 | 275 | 1483 | 0.53 | 0.00011 | 0.10 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 523 | 280 | 1596 | 0.52 | 0.00013 | 0.13 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 573 | 283 | 1781 | 0.51 | 0.00014 | 0.16 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 623 | 288 | 1947 | 0.52 | 0.00016 | 0.19 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 723 | 313 | 2360 | 0.49 | 0.00023 | 0.34 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 823 | 340 | 2675 | 0.47 | 0.00031 | 0.54 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.96Ag0.04CuSeO | 873 | 343 | 2735 | 0.47 | 0.00032 | 0.60 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 323 | 160 | 2600 | 0.56 | 0.00007 | 0.04 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 373 | 179 | 2351 | 0.56 | 0.00007 | 0.05 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 423 | 200 | 2079 | 0.55 | 0.00008 | 0.06 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 473 | 235 | 1870 | 0.53 | 0.00010 | 0.09 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 523 | 266 | 1900 | 0.52 | 0.00013 | 0.14 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 573 | 288 | 1934 | 0.50 | 0.00016 | 0.18 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 623 | 316 | 2030 | 0.50 | 0.00020 | 0.25 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 673 | 317 | 2106 | 0.48 | 0.00021 | 0.30 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 723 | 325 | 2130 | 0.46 | 0.00022 | 0.35 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 773 | 326 | 2200 | 0.45 | 0.00023 | 0.40 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 823 | 335 | 2500 | 0.44 | 0.00028 | 0.53 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi0.9Ag0.1CuSeO | 873 | 336 | 2600 | 0.43 | 0.00029 | 0.60 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| BiCuSeO | 323 | 488 | 536 | 0.81 | 0.00013 | 0.05 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 373 | 464 | 497 | 0.72 | 0.00011 | 0.06 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 423 | 443 | 500 | 0.66 | 0.00010 | 0.06 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 473 | 424 | 589 | 0.61 | 0.00011 | 0.08 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 523 | 408 | 848 | 0.57 | 0.00014 | 0.13 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 573 | 390 | 1218 | 0.54 | 0.00019 | 0.20 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 623 | 374 | 1550 | 0.52 | 0.00022 | 0.26 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 673 | 363 | 1800 | 0.49 | 0.00024 | 0.32 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 723 | 350 | 2000 | 0.48 | 0.00025 | 0.37 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| BiCuSeO | 873 | 326 | 2450 | 0.44 | 0.00026 | 0.52 | http://dx.doi.org/10.1016/j.jeurceramsoc.2014.09.015 |
| Bi2Te3 | 373 | -143 | 107500 | 0.90 | 0.00221 | 0.92 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Bi2Te3 | 473 | -157 | 77300 | 0.96 | 0.00190 | 0.94 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Bi2Te3 | 498 | -158 | 72257 | 0.94 | 0.00181 | 0.96 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Bi2Te3 | 398 | -147 | 98421 | 0.84 | 0.00214 | 1.01 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Bi2Te3 | 458 | -155 | 83333 | 0.87 | 0.00200 | 1.04 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Bi2Te3 | 423 | -152 | 90500 | 0.76 | 0.00209 | 1.17 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Ce0.2Bi1.8Te3 | 498 | -155 | 59028 | 0.67 | 0.00141 | 1.05 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Ce0.2Bi1.8Te3 | 373 | -141 | 84083 | 0.58 | 0.00168 | 1.08 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Ce0.2Bi1.8Te3 | 458 | -153 | 67400 | 0.57 | 0.00157 | 1.24 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Ce0.2Bi1.8Te3 | 473 | -155 | 63090 | 0.57 | 0.00152 | 1.26 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Ce0.2Bi1.8Te3 | 423 | -150 | 72257 | 0.54 | 0.00163 | 1.28 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Ce0.2Bi1.8Te3 | 398 | -147 | 77900 | 0.51 | 0.00167 | 1.29 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Sm0.2Bi1.8Te3 | 373 | -143 | 74600 | 0.73 | 0.00152 | 0.77 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Sm0.2Bi1.8Te3 | 498 | -156 | 52300 | 0.81 | 0.00127 | 0.78 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Sm0.2Bi1.8Te3 | 473 | -156 | 55600 | 0.74 | 0.00135 | 0.87 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Sm0.2Bi1.8Te3 | 458 | -155 | 56600 | 0.69 | 0.00136 | 0.92 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Sm0.2Bi1.8Te3 | 398 | -148 | 69000 | 0.60 | 0.00151 | 0.99 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Sm0.2Bi1.8Te3 | 423 | -152 | 64000 | 0.62 | 0.00148 | 1.01 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Y0.2Bi1.8Te3 | 498 | -152 | 59045 | 0.83 | 0.00137 | 0.83 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Y0.2Bi1.8Te3 | 473 | -152 | 62334 | 0.75 | 0.00144 | 0.91 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Y0.2Bi1.8Te3 | 458 | -150 | 66600 | 0.74 | 0.00150 | 0.93 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Y0.2Bi1.8Te3 | 373 | -138 | 84900 | 0.63 | 0.00163 | 0.96 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Y0.2Bi1.8Te3 | 398 | -143 | 78100 | 0.60 | 0.00160 | 1.07 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Y0.2Bi1.8Te3 | 423 | -147 | 72086 | 0.58 | 0.00157 | 1.14 | http://dx.doi.org/10.1016/j.pnsc.2013.06.007 |
| Cu3P0.6Ge0.4S4 | 350 | 57 | 97400 | 1.63 | 0.00032 | 0.07 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.6Ge0.4S4 | 400 | 65 | 89800 | 1.58 | 0.00038 | 0.10 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.6Ge0.4S4 | 500 | 82 | 73200 | 1.52 | 0.00049 | 0.16 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.7Ge0.3S4 | 350 | 68 | 57975 | 1.31 | 0.00027 | 0.07 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.7Ge0.3S4 | 400 | 78 | 54300 | 1.26 | 0.00033 | 0.10 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.7Ge0.3S4 | 500 | 97 | 47000 | 1.20 | 0.00044 | 0.18 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.8Ge0.2S4 | 350 | 85 | 32250 | 1.04 | 0.00023 | 0.08 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.8Ge0.2S4 | 400 | 96 | 30740 | 0.98 | 0.00028 | 0.12 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.8Ge0.2S4 | 500 | 122 | 27600 | 0.92 | 0.00041 | 0.22 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.9Ge0.1S4 | 350 | 127 | 7375 | 0.79 | 0.00012 | 0.05 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.9Ge0.1S4 | 400 | 144 | 7600 | 0.73 | 0.00016 | 0.09 | https://doi.org/10.1002/adfm.202000973 |
| Cu3P0.9Ge0.1S4 | 500 | 177 | 7940 | 0.67 | 0.00025 | 0.18 | https://doi.org/10.1002/adfm.202000973 |
| Yb10LaCdSb9 | 323 | 32 | 28782 | 0.89 | 0.00003 | 0.01 | https://doi.org/10.1002/asia.201200827 |
| Yb10LaCdSb9 | 473 | 41 | 28800 | 0.85 | 0.00005 | 0.03 | https://doi.org/10.1002/asia.201200827 |
| Yb10LaCdSb9 | 573 | 49 | 27725 | 0.86 | 0.00007 | 0.04 | https://doi.org/10.1002/asia.201200827 |
| Yb10LaCdSb9 | 673 | 52 | 29695 | 0.88 | 0.00008 | 0.06 | https://doi.org/10.1002/asia.201200827 |
| Yb10LaCdSb9 | 1023 | 58 | 38935 | 1.59 | 0.00013 | 0.08 | https://doi.org/10.1002/asia.201200827 |
| Yb10LaCdSb9 | 773 | 57 | 31707 | 0.91 | 0.00010 | 0.09 | https://doi.org/10.1002/asia.201200827 |
| Yb10LaCdSb9 | 973 | 59 | 37440 | 1.29 | 0.00013 | 0.10 | https://doi.org/10.1002/asia.201200827 |
| Yb10LaCdSb9 | 873 | 60 | 33669 | 1.00 | 0.00012 | 0.11 | https://doi.org/10.1002/asia.201200827 |
| Bi2.0S2.79Se0.21 | 323 | -508 | 444 | 0.72 | 0.00011 | 0.05 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.79Se0.21 | 423 | -530 | 379 | 0.61 | 0.00011 | 0.07 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.79Se0.21 | 523 | -553 | 292 | 0.55 | 0.00009 | 0.08 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.79Se0.21 | 623 | -561 | 268 | 0.51 | 0.00008 | 0.10 | https://doi.org/10.1007/s11467-018-0845-4 |

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|---|---|---|---|---|---|---|---|
| Bi2.0S2.79Se0.21 | 723 | -536 | 419 | 0.48 | 0.00012 | 0.18 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.85Se0.15 | 323 | -439 | 938 | 0.77 | 0.00018 | 0.08 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.85Se0.15 | 423 | -470 | 718 | 0.64 | 0.00016 | 0.10 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.85Se0.15 | 523 | -508 | 530 | 0.57 | 0.00014 | 0.13 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.85Se0.15 | 623 | -516 | 403 | 0.53 | 0.00011 | 0.13 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.85Se0.15 | 723 | -495 | 547 | 0.51 | 0.00013 | 0.19 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.91Se0.09 | 323 | -461 | 623 | 0.81 | 0.00013 | 0.05 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.91Se0.09 | 423 | -476 | 562 | 0.66 | 0.00013 | 0.08 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.91Se0.09 | 523 | -483 | 464 | 0.59 | 0.00011 | 0.10 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.91Se0.09 | 623 | -518 | 373 | 0.55 | 0.00010 | 0.11 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S2.91Se0.09 | 723 | -475 | 470 | 0.52 | 0.00011 | 0.15 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S3.0 | 323 | -664 | 4 | 0.71 | 0.00000 | 0.00 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S3.0 | 423 | -641 | 34 | 0.58 | 0.00001 | 0.01 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S3.0 | 523 | -627 | 72 | 0.51 | 0.00003 | 0.03 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S3.0 | 623 | -601 | 83 | 0.47 | 0.00003 | 0.04 | https://doi.org/10.1007/s11467-018-0845-4 |
| Bi2.0S3.0 | 723 | -501 | 346 | 0.44 | 0.00009 | 0.14 | https://doi.org/10.1007/s11467-018-0845-4 |
| Cu3Sb0.90Ge0.10S4 | 323 | 91 | 123060 | 4.00 | 0.00102 | 0.08 | https://doi.org/10.1007/s11664-014-3064-y |
| Cu3Sb0.92Ge0.08S4 | 323 | 105 | 100816 | 3.88 | 0.00112 | 0.09 | https://doi.org/10.1007/s11664-014-3064-y |
| Cu3Sb0.94Ge0.06S4 | 323 | 132 | 58163 | 3.44 | 0.00102 | 0.10 | https://doi.org/10.1007/s11664-014-3064-y |
| Cu3Sb0.98Ge0.02S4 | 323 | 192 | 22857 | 3.43 | 0.00084 | 0.08 | https://doi.org/10.1007/s11664-014-3064-y |
| Cu3SbS4 | 323 | 497 | 1650 | 4.21 | 0.00041 | 0.03 | https://doi.org/10.1007/s11664-014-3064-y |
| Bi2Te1.95Se1.05 | 323 | -167 | 52250 | 0.98 | 0.00146 | 0.50 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te1.95Se1.05 | 373 | -176 | 47800 | 0.96 | 0.00149 | 0.57 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te1.95Se1.05 | 423 | -185 | 43460 | 0.93 | 0.00148 | 0.67 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te1.95Se1.05 | 573 | -185 | 33000 | 0.93 | 0.00113 | 0.71 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te1.95Se1.05 | 473 | -188 | 39450 | 0.91 | 0.00140 | 0.75 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te1.95Se1.05 | 523 | -189 | 35850 | 0.91 | 0.00129 | 0.76 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.01Se0.99 | 323 | -149 | 60000 | 1.05 | 0.00134 | 0.42 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.01Se0.99 | 373 | -158 | 54400 | 1.01 | 0.00136 | 0.49 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.01Se0.99 | 423 | -166 | 49100 | 0.98 | 0.00135 | 0.58 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.01Se0.99 | 473 | -174 | 44173 | 0.96 | 0.00133 | 0.65 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.01Se0.99 | 523 | -176 | 39210 | 0.96 | 0.00121 | 0.67 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.1Se0.9 | 323 | -152 | 65612 | 1.15 | 0.00151 | 0.45 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.1Se0.9 | 373 | -159 | 60000 | 1.11 | 0.00151 | 0.54 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.1Se0.9 | 423 | -170 | 53950 | 1.07 | 0.00156 | 0.64 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.1Se0.9 | 573 | -176 | 40000 | 1.08 | 0.00124 | 0.65 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.1Se0.9 | 473 | -175 | 48490 | 1.05 | 0.00148 | 0.69 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.1Se0.9 | 523 | -180 | 43500 | 1.06 | 0.00140 | 0.70 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.55Se0.45 | 323 | -135 | 88489 | 1.20 | 0.00162 | 0.45 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.55Se0.45 | 373 | -145 | 79275 | 1.17 | 0.00167 | 0.53 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.55Se0.45 | 573 | -149 | 52029 | 1.23 | 0.00116 | 0.56 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.55Se0.45 | 423 | -152 | 70435 | 1.15 | 0.00164 | 0.60 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.55Se0.45 | 523 | -158 | 56812 | 1.17 | 0.00141 | 0.63 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.55Se0.45 | 473 | -157 | 62900 | 1.14 | 0.00154 | 0.64 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.7Se0.3 | 323 | -132 | 107200 | 1.33 | 0.00187 | 0.46 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.7Se0.3 | 573 | -145 | 60700 | 1.42 | 0.00128 | 0.51 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.7Se0.3 | 373 | -140 | 95400 | 1.31 | 0.00188 | 0.54 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.7Se0.3 | 423 | -149 | 83320 | 1.29 | 0.00185 | 0.61 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.7Se0.3 | 523 | -152 | 66050 | 1.32 | 0.00152 | 0.61 | https://doi.org/10.1007/s11664-020-08258-9 |
| Bi2Te2.7Se0.3 | 473 | -153 | 73550 | 1.27 | 0.00173 | 0.65 | https://doi.org/10.1007/s11664-020-08258-9 |
| CrO0.09N0.9 | 50 | -23 | 11616 | 1.22 | 0.00001 | 0.00 | https://doi.org/10.1016/j.actamat.2010.10.046 |
| CrO0.09N0.9 | 100 | -36 | 17934 | 3.06 | 0.00002 | 0.00 | https://doi.org/10.1016/j.actamat.2010.10.046 |
| CrO0.09N0.9 | 150 | -45 | 24147 | 4.19 | 0.00005 | 0.00 | https://doi.org/10.1016/j.actamat.2010.10.046 |
| CrO0.09N0.9 | 200 | -52 | 29773 | 4.59 | 0.00008 | 0.00 | https://doi.org/10.1016/j.actamat.2010.10.046 |
| CrO0.09N0.9 | 250 | -57 | 34457 | 4.39 | 0.00011 | 0.01 | https://doi.org/10.1016/j.actamat.2010.10.046 |
| CrO0.09N0.9 | 275 | -46 | 33713 | 2.68 | 0.00007 | 0.01 | https://doi.org/10.1016/j.actamat.2010.10.046 |
| CrO0.09N0.9 | 300 | -49 | 35660 | 2.75 | 0.00008 | 0.01 | https://doi.org/10.1016/j.actamat.2010.10.046 |
| Mg2.975Na0.025Sb2 | 323 | 75 | 36600 | 2.01 | 0.00021 | 0.03 | https://doi.org/10.1016/j.actamat.2015.04.023 |

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|---|---|---|---|---|---|---|---|
| Mg2.975Na0.025Sb2 | 373 | 89 | 39000 | 1.84 | 0.00031 | 0.06 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.975Na0.025Sb2 | 473 | 109 | 41000 | 1.56 | 0.00049 | 0.15 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.975Na0.025Sb2 | 573 | 126 | 37200 | 1.35 | 0.00059 | 0.25 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.975Na0.025Sb2 | 673 | 142 | 33500 | 1.21 | 0.00068 | 0.38 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.9875Na0.0125Sb2 | 323 | 100 | 24000 | 1.73 | 0.00024 | 0.04 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.9875Na0.0125Sb2 | 373 | 108 | 26523 | 1.56 | 0.00031 | 0.07 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.9875Na0.0125Sb2 | 473 | 134 | 29134 | 1.30 | 0.00052 | 0.19 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.9875Na0.0125Sb2 | 573 | 152 | 28300 | 1.11 | 0.00065 | 0.34 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.9875Na0.0125Sb2 | 673 | 171 | 24000 | 1.00 | 0.00070 | 0.47 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.994Na0.006Sb2 | 323 | 123 | 13097 | 1.51 | 0.00020 | 0.04 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.994Na0.006Sb2 | 370 | 139 | 16444 | 1.38 | 0.00032 | 0.09 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.994Na0.006Sb2 | 468 | 164 | 17660 | 1.16 | 0.00047 | 0.19 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.994Na0.006Sb2 | 565 | 190 | 15500 | 0.98 | 0.00056 | 0.32 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| Mg2.994Na0.006Sb2 | 663 | 213 | 12375 | 0.87 | 0.00056 | 0.43 | https://doi.org/10.1016/j.actamat.2015.04.023 |
| CaTiO3 | 321 | -252 | 5400 | 4.69 | 0.00034 | 0.02 | https://doi.org/10.1016/j.cej.2021.131121 |
| CaTiO3 | 538 | -257 | 2600 | 3.67 | 0.00017 | 0.03 | https://doi.org/10.1016/j.cej.2021.131121 |
| CaTiO3 | 432 | -259 | 3600 | 4.03 | 0.00024 | 0.03 | https://doi.org/10.1016/j.cej.2021.131121 |
| CaTiO3 | 640 | -264 | 2450 | 3.46 | 0.00017 | 0.03 | https://doi.org/10.1016/j.cej.2021.131121 |
| CaTiO3 | 740 | -280 | 2450 | 3.35 | 0.00019 | 0.04 | https://doi.org/10.1016/j.cej.2021.131121 |
| CaTiO3 | 840 | -295 | 2150 | 3.14 | 0.00019 | 0.05 | https://doi.org/10.1016/j.cej.2021.131121 |
| CaTiO3 | 1016 | -369 | 1400 | 2.75 | 0.00019 | 0.07 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.15Ca0.85TiO3 | 432 | -86 | 115100 | 3.85 | 0.00085 | 0.11 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.15Ca0.85TiO3 | 538 | -107 | 73120 | 3.50 | 0.00084 | 0.14 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.15Ca0.85TiO3 | 640 | -126 | 48925 | 3.21 | 0.00078 | 0.15 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.15Ca0.85TiO3 | 740 | -143 | 35484 | 3.04 | 0.00073 | 0.18 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.1Ca0.9TiO3 | 538 | -129 | 26340 | 3.50 | 0.00044 | 0.07 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.1Ca0.9TiO3 | 640 | -146 | 19900 | 3.24 | 0.00042 | 0.08 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.1Ca0.9TiO3 | 740 | -163 | 14520 | 3.03 | 0.00039 | 0.09 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.1Ca0.9TiO3 | 840 | -184 | 12000 | 2.94 | 0.00041 | 0.12 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.25Ca0.75TiO3 | 321 | -48 | 245200 | 4.06 | 0.00056 | 0.04 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.25Ca0.75TiO3 | 432 | -66 | 151000 | 3.66 | 0.00066 | 0.08 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.25Ca0.75TiO3 | 538 | -86 | 97300 | 3.30 | 0.00072 | 0.12 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.25Ca0.75TiO3 | 640 | -106 | 66500 | 3.07 | 0.00074 | 0.15 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.25Ca0.75TiO3 | 740 | -127 | 47311 | 2.97 | 0.00076 | 0.19 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.25Ca0.75TiO3 | 840 | -146 | 36560 | 2.90 | 0.00078 | 0.23 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.25Ca0.75TiO3 | 1016 | -185 | 26000 | 2.65 | 0.00089 | 0.34 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.2Ca0.8TiO3 | 321 | -52 | 339247 | 4.27 | 0.00092 | 0.07 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.2Ca0.8TiO3 | 432 | -72 | 192473 | 3.78 | 0.00100 | 0.11 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.2Ca0.8TiO3 | 538 | -92 | 118800 | 3.41 | 0.00101 | 0.16 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.2Ca0.8TiO3 | 740 | -133 | 54840 | 2.96 | 0.00097 | 0.24 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.2Ca0.8TiO3 | 840 | -153 | 40322 | 2.85 | 0.00094 | 0.28 | https://doi.org/10.1016/j.cej.2021.131121 |
| La0.2Ca0.8TiO3 | 1016 | -200 | 26000 | 2.61 | 0.00104 | 0.40 | https://doi.org/10.1016/j.cej.2021.131121 |
| (Zn0.95In0.05)4Sb3 | 323 | 146 | 26580 | 0.86 | 0.00057 | 0.21 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.95In0.05)4Sb3 | 348 | 154 | 25400 | 0.85 | 0.00060 | 0.25 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.95In0.05)4Sb3 | 373 | 156 | 24528 | 0.84 | 0.00060 | 0.26 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.95In0.05)4Sb3 | 398 | 163 | 24034 | 0.83 | 0.00064 | 0.31 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.95In0.05)4Sb3 | 448 | 177 | 23100 | 0.81 | 0.00073 | 0.40 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.95In0.05)4Sb3 | 473 | 182 | 22700 | 0.81 | 0.00075 | 0.44 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.98In0.02)4Sb3 | 323 | 135 | 38540 | 0.84 | 0.00070 | 0.27 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.98In0.02)4Sb3 | 373 | 136 | 34540 | 0.82 | 0.00064 | 0.29 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.98In0.02)4Sb3 | 423 | 151 | 31920 | 0.81 | 0.00073 | 0.38 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.9In0.1)4Sb3 | 323 | 156 | 13216 | 0.89 | 0.00032 | 0.12 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.9In0.1)4Sb3 | 373 | 175 | 13095 | 0.84 | 0.00040 | 0.18 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.9In0.1)4Sb3 | 423 | 188 | 13143 | 0.82 | 0.00046 | 0.24 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| (Zn0.9In0.1)4Sb3 | 473 | 202 | 13120 | 0.81 | 0.00054 | 0.31 | https://doi.org/10.1016/j.intermet.2004.02.030 |
| Ag0.4Sb1.1Pb19.6Te18.8 | 423 | -1 | 16247 | 1.56 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.4Sb1.1Pb19.6Te18.8 | 473 | -18 | 17208 | 1.46 | 0.00001 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.4Sb1.1Pb19.6Te18.8 | 373 | 21 | 18406 | 1.66 | 0.00001 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |

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|---|---|---|---|---|---|---|---|
| Ag0.4Sb1.1Pb19.6Te18.8 | 523 | -69 | 17450 | 1.38 | 0.00008 | 0.03 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.4Sb1.1Pb19.6Te18.8 | 573 | -120 | 18400 | 1.34 | 0.00026 | 0.11 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.4Sb1.1Pb19.6Te18.8 | 623 | -146 | 24032 | 1.34 | 0.00051 | 0.24 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.4Sb1.1Pb19.6Te18.8 | 673 | -143 | 37000 | 1.37 | 0.00076 | 0.37 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.5Sb1.1Pb19.6Te18.8 | 423 | 2 | 29875 | 1.63 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.5Sb1.1Pb19.6Te18.8 | 373 | 5 | 31795 | 1.73 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.5Sb1.1Pb19.6Te18.8 | 473 | -14 | 29250 | 1.56 | 0.00001 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.5Sb1.1Pb19.6Te18.8 | 523 | -50 | 26110 | 1.47 | 0.00006 | 0.02 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.5Sb1.1Pb19.6Te18.8 | 573 | -100 | 24288 | 1.42 | 0.00024 | 0.10 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.5Sb1.1Pb19.6Te18.8 | 623 | -136 | 31140 | 1.40 | 0.00058 | 0.26 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.5Sb1.1Pb19.6Te18.8 | 673 | -133 | 42000 | 1.44 | 0.00074 | 0.35 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.6Sb0.9Pb19.5Te19.1 | 573 | -190 | 13350 | 1.65 | 0.00048 | 0.16 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.6Sb0.9Pb19.5Te19.1 | 623 | -200 | 22500 | 1.67 | 0.00090 | 0.34 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.6Sb0.9Pb19.5Te19.1 | 673 | -198 | 27700 | 1.70 | 0.00109 | 0.42 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.8Sb0.8Pb18.3Te20.0 | 373 | -336 | 4080 | 0.92 | 0.00046 | 0.19 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.8Sb0.8Pb18.3Te20.0 | 423 | -337 | 4608 | 0.86 | 0.00052 | 0.26 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.8Sb0.8Pb18.3Te20.0 | 473 | -315 | 6900 | 0.81 | 0.00065 | 0.38 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.8Sb0.8Pb18.3Te20.0 | 523 | -294 | 8800 | 0.76 | 0.00076 | 0.52 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.8Sb0.8Pb18.3Te20.0 | 573 | -274 | 12228 | 0.73 | 0.00092 | 0.71 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.8Sb0.8Pb18.3Te20.0 | 623 | -260 | 16000 | 0.72 | 0.00108 | 0.94 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.8Sb0.8Pb18.3Te20.0 | 673 | -242 | 19116 | 0.70 | 0.00112 | 1.07 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.9Sb0.9Pb18.3Te19.9 | 373 | -373 | 1872 | 1.04 | 0.00026 | 0.09 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.9Sb0.9Pb18.3Te19.9 | 423 | -360 | 3168 | 0.96 | 0.00041 | 0.18 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.9Sb0.9Pb18.3Te19.9 | 473 | -320 | 5800 | 0.91 | 0.00059 | 0.31 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag0.9Sb0.9Pb18.3Te19.9 | 523 | -296 | 8625 | 0.86 | 0.00076 | 0.46 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.1Sb0.8Pb15.5Te22.6 | 573 | 325 | 3050 | 0.94 | 0.00032 | 0.20 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.1Sb0.8Pb15.5Te22.6 | 623 | 326 | 3940 | 0.91 | 0.00042 | 0.29 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.1Sb0.8Pb15.5Te22.6 | 673 | 312 | 4500 | 0.96 | 0.00044 | 0.31 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.1Sb0.8Pb15.5Te22.6 | 373 | 320 | 5000 | 1.11 | 0.00051 | 0.19 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.1Sb0.8Pb15.5Te22.6 | 423 | 360 | 4350 | 1.05 | 0.00056 | 0.23 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.1Sb0.8Pb15.5Te22.6 | 473 | 340 | 3015 | 1.48 | 0.00035 | 0.11 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.1Sb0.8Pb15.5Te22.6 | 523 | 320 | 2685 | 0.97 | 0.00027 | 0.15 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.2Sb0.8Pb14.9Te22.7 | 523 | 280 | 1583 | 1.01 | 0.00012 | 0.06 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.2Sb0.8Pb14.9Te22.7 | 473 | 344 | 1547 | 1.05 | 0.00018 | 0.08 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.2Sb0.8Pb14.9Te22.7 | 573 | 290 | 2112 | 0.95 | 0.00018 | 0.11 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.2Sb0.8Pb14.9Te22.7 | 373 | 405 | 2315 | 1.09 | 0.00038 | 0.13 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.2Sb0.8Pb14.9Te22.7 | 423 | 439 | 1800 | 1.06 | 0.00035 | 0.14 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.2Sb0.8Pb14.9Te22.7 | 623 | 317 | 3147 | 0.92 | 0.00032 | 0.21 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.2Sb0.8Pb14.9Te22.7 | 673 | 305 | 4350 | 0.95 | 0.00040 | 0.28 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.3Sb0.9Pb15.7Te22.0 | 623 | 40 | 1670 | 1.05 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.3Sb0.9Pb15.7Te22.0 | 473 | -99 | 733 | 0.99 | 0.00001 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.3Sb0.9Pb15.7Te22.0 | 573 | -91 | 1250 | 1.03 | 0.00001 | 0.01 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.3Sb0.9Pb15.7Te22.0 | 423 | 154 | 833 | 1.00 | 0.00002 | 0.01 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.3Sb0.9Pb15.7Te22.0 | 523 | -171 | 913 | 1.01 | 0.00003 | 0.01 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.3Sb0.9Pb15.7Te22.0 | 673 | 141 | 2317 | 1.06 | 0.00005 | 0.03 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| Ag1.3Sb0.9Pb15.7Te22.0 | 373 | 449 | 940 | 1.04 | 0.00018 | 0.04 | https://doi.org/10.1016/j.jallcom.2004.08.049 |
| CoSi | 320 | -79 | 555190 | 13.69 | 0.00350 | 0.08 | https://doi.org/10.1016/j.jallcom.2004.09.036 |
| CoSi0.98Ge0.02 | 320 | -81 | 584370 | 12.08 | 0.00388 | 0.10 | https://doi.org/10.1016/j.jallcom.2004.09.036 |
| CoSi0.995B0.005 | 320 | -82 | 705300 | 14.06 | 0.00477 | 0.11 | https://doi.org/10.1016/j.jallcom.2004.09.036 |
| Ag8.0GeTe6.0 | 770 | -20 | 1111 | 0.30 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jallcom.2004.12.038 |
| Sn0.98In0.02Se | 373 | 391 | 35 | 0.80 | 0.00001 | 0.00 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| Sn0.98In0.02Se | 423 | 440 | 46 | 0.72 | 0.00001 | 0.01 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| Sn0.98In0.02Se | 473 | 472 | 58 | 0.67 | 0.00001 | 0.01 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| Sn0.98In0.02Se | 523 | 492 | 70 | 0.63 | 0.00002 | 0.01 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| Sn0.98In0.02Se | 573 | 502 | 90 | 0.62 | 0.00002 | 0.02 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| Sn0.98In0.02Se | 623 | 493 | 125 | 0.62 | 0.00003 | 0.03 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| Sn0.98In0.02Se | 673 | 461 | 195 | 0.63 | 0.00004 | 0.05 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| Sn0.98In0.02Se | 723 | 425 | 324 | 0.64 | 0.00006 | 0.07 | https://doi.org/10.1016/j.jallcom.2016.01.190 |

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|---|---|---|---|---|---|---|---|
| Sn0.98In0.02Se | 773 | 378 | 582 | 0.67 | 0.00008 | 0.10 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 323 | 357 | 117 | 0.88 | 0.00001 | 0.01 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 373 | 379 | 234 | 0.77 | 0.00003 | 0.02 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 423 | 397 | 359 | 0.69 | 0.00006 | 0.04 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 523 | 371 | 336 | 0.60 | 0.00005 | 0.04 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 573 | 384 | 328 | 0.62 | 0.00005 | 0.04 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 473 | 391 | 422 | 0.67 | 0.00006 | 0.05 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 623 | 384 | 469 | 0.59 | 0.00007 | 0.07 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 673 | 375 | 777 | 0.51 | 0.00011 | 0.14 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 723 | 356 | 1324 | 0.58 | 0.00017 | 0.21 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnSe | 773 | 325 | 2570 | 0.56 | 0.00027 | 0.37 | https://doi.org/10.1016/j.jallcom.2016.01.190 |
| SnS | 300 | 525 | 0.1 | 1.41 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jmat.2019.12.003 |
| SnS | 400 | 579 | 0.5 | 1.09 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jmat.2019.12.003 |
| SnS | 500 | 624 | 2.5 | 0.88 | 0.00000 | 0.00 | https://doi.org/10.1016/j.jmat.2019.12.003 |
| SnS | 600 | 653 | 17 | 0.79 | 0.00001 | 0.01 | https://doi.org/10.1016/j.jmat.2019.12.003 |
| SnS | 700 | 620 | 80 | 0.75 | 0.00003 | 0.03 | https://doi.org/10.1016/j.jmat.2019.12.003 |
| SnS | 800 | 548 | 300 | 0.70 | 0.00009 | 0.10 | https://doi.org/10.1016/j.jmat.2019.12.003 |
| Sn0.87Mn0.1Bi0.03Te | 323 | 60 | 265500 | 4.24 | 0.00096 | 0.07 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.87Mn0.1Bi0.03Te | 373 | 64 | 240000 | 4.08 | 0.00098 | 0.09 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.87Mn0.1Bi0.03Te | 423 | 72 | 218000 | 4.00 | 0.00113 | 0.12 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.87Mn0.1Bi0.03Te | 473 | 87 | 198000 | 3.85 | 0.00151 | 0.19 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.87Mn0.1Bi0.03Te | 523 | 94 | 179200 | 3.66 | 0.00158 | 0.23 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.87Mn0.1Bi0.03Te | 623 | 106 | 154760 | 3.37 | 0.00174 | 0.32 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.87Mn0.1Bi0.03Te | 773 | 144 | 100000 | 2.67 | 0.00205 | 0.59 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.91Mn0.08Bi0.01Te | 323 | 51 | 322000 | 4.31 | 0.00084 | 0.06 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.91Mn0.08Bi0.01Te | 373 | 60 | 297000 | 4.23 | 0.00105 | 0.09 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.91Mn0.08Bi0.01Te | 423 | 64 | 267800 | 4.10 | 0.00109 | 0.11 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.91Mn0.08Bi0.01Te | 473 | 75 | 240000 | 3.97 | 0.00137 | 0.16 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.91Mn0.08Bi0.01Te | 523 | 88 | 216000 | 3.78 | 0.00167 | 0.23 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Sn0.91Mn0.08Bi0.01Te | 773 | 144 | 116000 | 2.48 | 0.00241 | 0.75 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 323 | 30 | 575600 | 10.29 | 0.00053 | 0.02 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 373 | 33 | 497600 | 9.84 | 0.00053 | 0.02 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 423 | 37 | 431500 | 9.30 | 0.00059 | 0.03 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 473 | 42 | 377380 | 8.85 | 0.00067 | 0.04 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 523 | 48 | 330000 | 8.30 | 0.00076 | 0.05 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 573 | 54 | 284000 | 7.67 | 0.00083 | 0.06 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 623 | 65 | 246430 | 6.95 | 0.00104 | 0.09 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 673 | 73 | 213100 | 6.22 | 0.00114 | 0.12 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 723 | 84 | 182740 | 5.53 | 0.00127 | 0.17 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| SnTe | 773 | 100 | 156550 | 4.87 | 0.00157 | 0.25 | https://doi.org/10.1016/j.jmst.2020.12.063 |
| Zn0.96Al0.04O | 373 | -65 | 63760 | 5.83 | 0.00027 | 0.02 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Zn0.96Al0.04O | 473 | -75 | 54100 | 4.52 | 0.00030 | 0.03 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Zn0.96Al0.04O | 573 | -81 | 50500 | 3.70 | 0.00033 | 0.05 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Zn0.96Al0.04O | 673 | -88 | 42350 | 2.67 | 0.00033 | 0.08 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Zn0.97Al0.03O | 373 | -68 | 49000 | 7.40 | 0.00023 | 0.01 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Zn0.97Al0.03O | 473 | -78 | 45000 | 6.70 | 0.00027 | 0.02 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Zn0.97Al0.03O | 573 | -85 | 40800 | 5.96 | 0.00029 | 0.03 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Zn0.97Al0.03O | 673 | -94 | 37500 | 5.38 | 0.00033 | 0.05 | https://doi.org/10.1016/j.jpcs.2010.06.006 |
| Mg2.16(Si0.4Sn0.6)0.97Bi0.03 | 300 | -120 | 203876 | 2.77 | 0.00295 | 0.32 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.97Bi0.03 | 400 | -143 | 172700 | 2.55 | 0.00353 | 0.55 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.97Bi0.03 | 500 | -163 | 146100 | 2.39 | 0.00387 | 0.81 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.97Bi0.03 | 600 | -180 | 124603 | 2.30 | 0.00406 | 1.06 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.97Bi0.03 | 700 | -199 | 105555 | 2.28 | 0.00416 | 1.28 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.97Bi0.03 | 800 | -217 | 89150 | 2.33 | 0.00419 | 1.44 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.985Bi0.015 | 300 | -136 | 177000 | 2.68 | 0.00329 | 0.37 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.985Bi0.015 | 400 | -159 | 146400 | 2.44 | 0.00372 | 0.61 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.985Bi0.015 | 500 | -179 | 123333 | 2.27 | 0.00397 | 0.88 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.985Bi0.015 | 600 | -198 | 104100 | 2.19 | 0.00408 | 1.12 | https://doi.org/10.1016/j.jssc.2013.04.041 |

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|---|---|---|---|---|---|---|---|
| Mg2.16(Si0.4Sn0.6)0.985Bi0.015 | 700 | -214 | 88200 | 2.19 | 0.00403 | 1.29 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.985Bi0.015 | 800 | -224 | 74610 | 2.27 | 0.00378 | 1.33 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.98Bi0.02 | 300 | -122 | 185000 | 2.77 | 0.00275 | 0.30 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.98Bi0.02 | 400 | -145 | 154100 | 2.52 | 0.00323 | 0.51 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.98Bi0.02 | 500 | -168 | 129500 | 2.37 | 0.00366 | 0.77 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.98Bi0.02 | 600 | -188 | 110670 | 2.29 | 0.00392 | 1.03 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.98Bi0.02 | 700 | -204 | 94500 | 2.27 | 0.00394 | 1.21 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.98Bi0.02 | 800 | -213 | 78824 | 2.31 | 0.00357 | 1.24 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.995Bi0.005 | 300 | -177 | 75000 | 2.26 | 0.00235 | 0.31 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.995Bi0.005 | 520 | -240 | 51744 | 1.77 | 0.00299 | 0.87 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.995Bi0.005 | 760 | -263 | 37600 | 2.04 | 0.00259 | 0.97 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.995Bi0.005 | 620 | -261 | 44550 | 1.74 | 0.00303 | 1.08 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.99Bi0.01 | 300 | -155 | 127519 | 2.55 | 0.00308 | 0.36 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.99Bi0.01 | 400 | -175 | 107170 | 2.24 | 0.00329 | 0.59 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.99Bi0.01 | 500 | -199 | 90503 | 2.05 | 0.00357 | 0.87 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.99Bi0.01 | 600 | -221 | 77300 | 1.99 | 0.00376 | 1.13 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.99Bi0.01 | 800 | -239 | 55426 | 2.20 | 0.00316 | 1.15 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16(Si0.4Sn0.6)0.99Bi0.01 | 700 | -236 | 65800 | 2.04 | 0.00365 | 1.25 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16Si0.4Sn0.6 | 620 | -205 | 5600 | 1.70 | 0.00023 | 0.08 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| Mg2.16Si0.4Sn0.6 | 760 | -146 | 12950 | 2.41 | 0.00027 | 0.09 | https://doi.org/10.1016/j.jssc.2013.04.041 |
| La0.1Co4Sb12 | 373 | 71 | 25688 | 3.69 | 0.00013 | 0.01 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.1Co4Sb12 | 473 | 84 | 27613 | 3.72 | 0.00019 | 0.02 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.1Co4Sb12 | 573 | 100 | 27600 | 3.66 | 0.00028 | 0.04 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.1Co4Sb12 | 773 | 102 | 24867 | 4.50 | 0.00026 | 0.04 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.1Co4Sb12 | 673 | 114 | 26120 | 3.81 | 0.00034 | 0.06 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.3Co4Sb12 | 373 | 67 | 25735 | 3.85 | 0.00012 | 0.01 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.3Co4Sb12 | 473 | 80 | 26565 | 3.53 | 0.00017 | 0.02 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.3Co4Sb12 | 573 | 93 | 26217 | 3.33 | 0.00023 | 0.04 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.3Co4Sb12 | 673 | 99 | 25362 | 3.58 | 0.00025 | 0.05 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.5Co4Sb12 | 373 | 59 | 35355 | 2.19 | 0.00012 | 0.02 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.5Co4Sb12 | 473 | 70 | 33898 | 2.17 | 0.00017 | 0.04 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.5Co4Sb12 | 773 | 92 | 26820 | 3.42 | 0.00023 | 0.05 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.5Co4Sb12 | 573 | 87 | 30700 | 2.31 | 0.00023 | 0.06 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.5Co4Sb12 | 673 | 100 | 28283 | 2.71 | 0.00028 | 0.07 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.7Co4Sb12 | 373 | -178 | 33300 | 3.16 | 0.00105 | 0.12 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.7Co4Sb12 | 473 | -197 | 33980 | 4.52 | 0.00132 | 0.14 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.7Co4Sb12 | 573 | -201 | 35088 | 4.46 | 0.00142 | 0.18 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La0.7Co4Sb12 | 773 | -179 | 41791 | 5.58 | 0.00134 | 0.19 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La1.25Co4Sb12 | 373 | -64 | 245000 | 5.26 | 0.00100 | 0.07 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| La2.0Co4Sb12 | 373 | -15 | 358974 | 2.52 | 0.00009 | 0.01 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| LaCo4Sb12 | 373 | -89 | 168675 | 3.07 | 0.00134 | 0.16 | https://doi.org/10.1016/j.matchemphys.2005.07.068 |
| Cu3Sb0.996In0.004Se4 | 323 | 230 | 5800 | 2.52 | 0.00031 | 0.04 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.996In0.004Se4 | 373 | 250 | 6182 | 2.00 | 0.00039 | 0.07 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.996In0.004Se4 | 423 | 276 | 6600 | 1.70 | 0.00050 | 0.12 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.996In0.004Se4 | 473 | 290 | 7000 | 1.42 | 0.00059 | 0.20 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.996In0.004Se4 | 523 | 285 | 8010 | 1.27 | 0.00065 | 0.27 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.996In0.004Se4 | 573 | 277 | 9107 | 1.13 | 0.00070 | 0.35 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.996In0.004Se4 | 623 | 267 | 10000 | 1.03 | 0.00071 | 0.43 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.997In0.003Se4 | 323 | 252 | 5600 | 2.48 | 0.00037 | 0.05 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.997In0.003Se4 | 373 | 271 | 5900 | 1.95 | 0.00044 | 0.08 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.997In0.003Se4 | 423 | 284 | 6200 | 1.68 | 0.00051 | 0.14 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.997In0.003Se4 | 473 | 301 | 6700 | 1.41 | 0.00061 | 0.21 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.997In0.003Se4 | 573 | 288 | 8410 | 1.12 | 0.00070 | 0.36 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.997In0.003Se4 | 623 | 286 | 8950 | 1.01 | 0.00073 | 0.45 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.998In0.002Se4 | 323 | 270 | 4255 | 2.40 | 0.00031 | 0.04 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.998In0.002Se4 | 373 | 285 | 4444 | 1.92 | 0.00036 | 0.07 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.998In0.002Se4 | 423 | 303 | 4810 | 1.65 | 0.00044 | 0.11 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.998In0.002Se4 | 473 | 325 | 5200 | 1.38 | 0.00055 | 0.19 | https://doi.org/10.1016/j.matdes.2016.03.001 |

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|---|---|---|---|---|---|---|---|
| Cu3Sb0.998In0.002Se4 | 523 | 317 | 5952 | 1.25 | 0.00060 | 0.25 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3Sb0.998In0.002Se4 | 573 | 311 | 7300 | 1.12 | 0.00070 | 0.36 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3SbSe4 | 323 | 387 | 2310 | 2.80 | 0.00035 | 0.04 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3SbSe4 | 423 | 368 | 3100 | 1.85 | 0.00041 | 0.10 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3SbSe4 | 473 | 351 | 3600 | 1.54 | 0.00044 | 0.14 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3SbSe4 | 523 | 340 | 4000 | 1.39 | 0.00046 | 0.17 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3SbSe4 | 573 | 320 | 4700 | 1.20 | 0.00048 | 0.23 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Cu3SbSe4 | 623 | 303 | 5650 | 1.10 | 0.00051 | 0.28 | https://doi.org/10.1016/j.matdes.2016.03.001 |
| Sn0.97Ce0.03Te | 323 | 47 | 353200 | 4.18 | 0.00078 | 0.06 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.97Ce0.03Te | 423 | 71 | 231645 | 3.50 | 0.00118 | 0.14 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.97Ce0.03Te | 523 | 107 | 149480 | 2.83 | 0.00171 | 0.30 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.97Ce0.03Te | 623 | 150 | 73420 | 2.25 | 0.00165 | 0.48 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.97Ce0.03Te | 723 | 185 | 50000 | 2.00 | 0.00171 | 0.62 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.98Ce0.02Te | 323 | 25 | 462025 | 5.00 | 0.00029 | 0.02 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.98Ce0.02Te | 423 | 41 | 321520 | 4.15 | 0.00054 | 0.05 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.98Ce0.02Te | 523 | 66 | 213924 | 3.33 | 0.00093 | 0.15 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.98Ce0.02Te | 623 | 102 | 129114 | 2.54 | 0.00134 | 0.33 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.98Ce0.02Te | 723 | 142 | 76000 | 2.09 | 0.00154 | 0.55 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.99Ce0.01Te | 323 | 20 | 560700 | 6.15 | 0.00023 | 0.01 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.99Ce0.01Te | 423 | 32 | 400000 | 5.32 | 0.00041 | 0.03 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.99Ce0.01Te | 523 | 53 | 278500 | 4.34 | 0.00078 | 0.09 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.99Ce0.01Te | 623 | 85 | 178500 | 3.35 | 0.00130 | 0.24 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Sn0.99Ce0.01Te | 723 | 123 | 107600 | 2.60 | 0.00163 | 0.45 | https://doi.org/10.1016/j.mtphys.2019.100156 |
| Cu2.7Ag0.3ErTe3 | 300 | 41 | 271000 | 2.35 | 0.00046 | 0.06 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.7Ag0.3ErTe3 | 400 | 48 | 260000 | 2.33 | 0.00059 | 0.10 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.7Ag0.3ErTe3 | 500 | 56 | 228400 | 2.07 | 0.00072 | 0.17 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.7Ag0.3ErTe3 | 600 | 68 | 150000 | 1.34 | 0.00069 | 0.31 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.7Ag0.3ErTe3 | 700 | 99 | 55000 | 0.59 | 0.00054 | 0.63 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.7Ag0.3ErTe3 | 800 | 117 | 43560 | 0.66 | 0.00060 | 0.72 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.7Ag0.3ErTe3 | 900 | 145 | 31000 | 0.61 | 0.00065 | 0.96 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.9Ag0.1ErTe3 | 300 | 42 | 233000 | 2.26 | 0.00041 | 0.05 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.9Ag0.1ErTe3 | 400 | 50 | 221778 | 2.24 | 0.00055 | 0.10 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.9Ag0.1ErTe3 | 500 | 57 | 203556 | 2.06 | 0.00066 | 0.16 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.9Ag0.1ErTe3 | 600 | 65 | 168000 | 1.64 | 0.00071 | 0.26 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.9Ag0.1ErTe3 | 700 | 85 | 72000 | 0.68 | 0.00052 | 0.54 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.9Ag0.1ErTe3 | 800 | 104 | 50000 | 0.75 | 0.00054 | 0.58 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu2.9Ag0.1ErTe3 | 900 | 133 | 35000 | 0.66 | 0.00062 | 0.84 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu3ErTe3 | 300 | 39 | 293000 | 2.56 | 0.00045 | 0.05 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu3ErTe3 | 400 | 49 | 244890 | 2.38 | 0.00058 | 0.10 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu3ErTe3 | 500 | 56 | 216000 | 2.18 | 0.00068 | 0.16 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu3ErTe3 | 600 | 61 | 184000 | 1.74 | 0.00069 | 0.24 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu3ErTe3 | 800 | 101 | 46667 | 0.70 | 0.00048 | 0.54 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu3ErTe3 | 700 | 84 | 74222 | 0.62 | 0.00052 | 0.59 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| Cu3ErTe3 | 900 | 124 | 33333 | 0.62 | 0.00051 | 0.75 | https://doi.org/10.1016/j.mtphys.2020.100180 |
| CoSb3.0 | 523 | 25.6 | 4400 | 4.79 | 0.00000 | 0.00 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 473 | -105 | 3125 | 5.10 | 0.00003 | 0.00 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 323 | -224 | 3571 | 6.90 | 0.00018 | 0.01 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 373 | -218 | 3125 | 6.10 | 0.00015 | 0.01 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 423 | -200 | 2941 | 5.40 | 0.00012 | 0.01 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 573 | 117 | 6250 | 4.50 | 0.00009 | 0.01 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 623 | 150 | 10526 | 4.30 | 0.00024 | 0.03 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 673 | 139 | 15385 | 4.40 | 0.00030 | 0.05 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| CoSb3.0 | 723 | 137 | 16129 | 4.40 | 0.00030 | 0.05 | https://doi.org/10.1016/S0925-8388(00)01275-5 |
| Ag2Mo6Te8 | 500 | 13 | 202768 | 3.88 | 0.00003 | 0.00 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| Ag2Mo6Te8 | 600 | 18 | 195675 | 4.00 | 0.00006 | 0.01 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| Ag2Mo6Te8 | 700 | 21 | 189200 | 4.11 | 0.00009 | 0.01 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| Ag2Mo6Te8 | 800 | 25 | 182699 | 4.21 | 0.00011 | 0.02 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| AgMo6Te8 | 400 | 6 | 169860 | 3.94 | 0.00001 | 0.00 | https://doi.org/10.1016/S1003-6326(08)60326-X |

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|---|---|---|---|---|---|---|---|
| AgMo6Te8 | 500 | 14 | 168000 | 3.99 | 0.00003 | 0.00 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| AgMo6Te8 | 600 | 20 | 169800 | 4.17 | 0.00007 | 0.01 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| AgMo6Te8 | 700 | 26 | 170069 | 4.40 | 0.00011 | 0.02 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| AgMo6Te8 | 800 | 34 | 168200 | 4.51 | 0.00019 | 0.03 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| Cu2Mo6Te8 | 500 | 3 | 214200 | 3.31 | 0.00000 | 0.00 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| CuMo6Te8 | 400 | -2 | 200346 | 3.66 | 0.00000 | 0.00 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| CuMo6Te8 | 500 | 4 | 186200 | 3.65 | 0.00000 | 0.00 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| CuMo6Te8 | 600 | 12 | 178000 | 3.64 | 0.00002 | 0.00 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| CuMo6Te8 | 700 | 18 | 174048 | 3.94 | 0.00006 | 0.01 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| CuMo6Te8 | 800 | 24 | 172400 | 4.17 | 0.00010 | 0.02 | https://doi.org/10.1016/S1003-6326(08)60326-X |
| AgBi0.94Pb0.06Se2.12 | 300 | 302 | 4080 | 0.60 | 0.00037 | 0.19 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.94Pb0.06Se2.12 | 350 | 318 | 6074 | 0.64 | 0.00061 | 0.33 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.94Pb0.06Se2.12 | 400 | 329 | 6298 | 0.68 | 0.00068 | 0.40 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.95Pb0.05Se2.12 | 300 | 329 | 2735 | 0.57 | 0.00030 | 0.16 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.95Pb0.05Se2.12 | 350 | 334 | 4265 | 0.59 | 0.00048 | 0.28 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.95Pb0.05Se2.12 | 400 | 340 | 5497 | 0.66 | 0.00064 | 0.39 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.96Pb0.04Se2.12 | 300 | 377 | 1560 | 0.55 | 0.00022 | 0.12 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.96Pb0.04Se2.12 | 350 | 377 | 2221 | 0.55 | 0.00032 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.96Pb0.04Se2.12 | 400 | 358 | 4756 | 0.61 | 0.00061 | 0.40 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.97Pb0.03Se2.12 | 300 | 422 | 930 | 0.52 | 0.00017 | 0.10 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.97Pb0.03Se2.12 | 350 | 423 | 1301 | 0.53 | 0.00023 | 0.15 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.97Pb0.03Se2.12 | 400 | 376 | 3723 | 0.60 | 0.00052 | 0.35 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.97Pb0.03Se2.12 | 450 | 371 | 4864 | 0.62 | 0.00067 | 0.49 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.98Pb0.02Se2.12 | 300 | 484 | 471 | 0.50 | 0.00011 | 0.07 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.98Pb0.02Se2.12 | 350 | 493 | 696 | 0.53 | 0.00017 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.98Pb0.02Se2.12 | 400 | 454 | 1477 | 0.57 | 0.00030 | 0.21 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.98Pb0.02Se2.12 | 450 | 401 | 4150 | 0.62 | 0.00067 | 0.48 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.99Pb0.01Se2.12 | 300 | 565 | 142 | 0.56 | 0.00005 | 0.02 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.99Pb0.01Se2.12 | 350 | 579 | 174 | 0.54 | 0.00006 | 0.04 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.99Pb0.01Se2.12 | 400 | 549 | 379 | 0.53 | 0.00011 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBi0.99Pb0.01Se2.12 | 450 | 482 | 1095 | 0.55 | 0.00025 | 0.21 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBiSe2.12 | 300 | 637 | 45 | 0.64 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBiSe2.12 | 350 | 658 | 72 | 0.65 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBiSe2.12 | 400 | 642 | 123 | 0.64 | 0.00005 | 0.03 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| AgBiSe2.12 | 450 | 573 | 230 | 0.65 | 0.00008 | 0.05 | https://doi.org/10.1021/acs.chemmater.0c00481 |
| Rb2Bi8Se12.909 | 330 | -142 | 15700 | 0.84 | 0.00032 | 0.12 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.909 | 428 | -166 | 10795 | 0.71 | 0.00030 | 0.18 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.909 | 526 | -184 | 7600 | 0.65 | 0.00026 | 0.21 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.909 | 625 | -193 | 7955 | 0.63 | 0.00030 | 0.29 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.909 | 724 | -194 | 9120 | 0.63 | 0.00034 | 0.40 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.909 | 823 | -185 | 11200 | 0.62 | 0.00038 | 0.51 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9415 | 330 | -167 | 11260 | 0.75 | 0.00032 | 0.14 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9415 | 428 | -194 | 8030 | 0.66 | 0.00030 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9415 | 526 | -220 | 5950 | 0.59 | 0.00029 | 0.26 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9415 | 625 | -218 | 6439 | 0.59 | 0.00031 | 0.33 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9415 | 724 | -214 | 7841 | 0.59 | 0.00036 | 0.44 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9415 | 823 | -193 | 10644 | 0.60 | 0.00040 | 0.55 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.961 | 330 | -186 | 11200 | 0.68 | 0.00039 | 0.19 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.961 | 428 | -219 | 8480 | 0.59 | 0.00040 | 0.30 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.961 | 526 | -241 | 6060 | 0.54 | 0.00035 | 0.35 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.961 | 625 | -243 | 6439 | 0.52 | 0.00038 | 0.46 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.961 | 724 | -229 | 8295 | 0.53 | 0.00043 | 0.60 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.961 | 823 | -202 | 11818 | 0.54 | 0.00048 | 0.73 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.974Cl0.026 | 330 | -92 | 30150 | 0.90 | 0.00026 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.974Cl0.026 | 428 | -107 | 21770 | 0.77 | 0.00025 | 0.14 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.974Cl0.026 | 526 | -118 | 14490 | 0.73 | 0.00020 | 0.15 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.974Cl0.026 | 625 | -128 | 13470 | 0.71 | 0.00022 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.974Cl0.026 | 724 | -145 | 14338 | 0.70 | 0.00030 | 0.31 | https://doi.org/10.1021/acs.chemmater.0c00703 |

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|---|---|---|---|---|---|---|---|
| Rb2Bi8Se12.974Cl0.026 | 823 | -151 | 15960 | 0.69 | 0.00036 | 0.43 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805 | 330 | -223 | 8106 | 0.74 | 0.00040 | 0.18 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805 | 428 | -257 | 5455 | 0.62 | 0.00036 | 0.25 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805 | 526 | -292 | 3598 | 0.55 | 0.00031 | 0.29 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805 | 625 | -275 | 3290 | 0.54 | 0.00025 | 0.29 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805 | 724 | -254 | 3890 | 0.57 | 0.00025 | 0.32 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805 | 823 | -214 | 7045 | 0.57 | 0.00032 | 0.47 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805Cl0.0195 | 330 | -113 | 21029 | 0.80 | 0.00027 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805Cl0.0195 | 428 | -132 | 14485 | 0.70 | 0.00025 | 0.15 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805Cl0.0195 | 526 | -147 | 9412 | 0.65 | 0.00020 | 0.17 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805Cl0.0195 | 625 | -160 | 9338 | 0.63 | 0.00024 | 0.24 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805Cl0.0195 | 724 | -169 | 10368 | 0.62 | 0.00030 | 0.34 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9805Cl0.0195 | 823 | -168 | 12132 | 0.60 | 0.00034 | 0.46 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9909Cl0.0091 | 330 | -160 | 12500 | 0.66 | 0.00032 | 0.16 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9909Cl0.0091 | 428 | -179 | 8603 | 0.59 | 0.00027 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9909Cl0.0091 | 526 | -201 | 6176 | 0.54 | 0.00025 | 0.25 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9909Cl0.0091 | 625 | -201 | 6471 | 0.52 | 0.00026 | 0.31 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9909Cl0.0091 | 724 | -195 | 7500 | 0.52 | 0.00029 | 0.40 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9909Cl0.0091 | 823 | -191 | 8750 | 0.53 | 0.00032 | 0.50 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935 | 330 | -220 | 8485 | 0.71 | 0.00041 | 0.19 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935 | 428 | -264 | 5455 | 0.61 | 0.00038 | 0.27 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935 | 526 | -291 | 4015 | 0.53 | 0.00034 | 0.34 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935 | 625 | -273 | 5000 | 0.53 | 0.00037 | 0.44 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935 | 724 | -262 | 5420 | 0.53 | 0.00037 | 0.51 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935 | 823 | -220 | 7386 | 0.56 | 0.00036 | 0.52 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935Cl0.0065 | 330 | -199 | 9559 | 0.62 | 0.00038 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935Cl0.0065 | 428 | -237 | 6029 | 0.53 | 0.00034 | 0.28 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935Cl0.0065 | 526 | -270 | 3676 | 0.48 | 0.00027 | 0.29 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935Cl0.0065 | 625 | -261 | 3824 | 0.47 | 0.00026 | 0.34 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935Cl0.0065 | 724 | -250 | 4007 | 0.50 | 0.00025 | 0.37 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se12.9935Cl0.0065 | 823 | -215 | 5441 | 0.49 | 0.00025 | 0.43 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se13 | 330 | -268 | 1591 | 0.51 | 0.00011 | 0.07 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se13 | 428 | -287 | 1180 | 0.46 | 0.00010 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se13 | 526 | -306 | 948 | 0.44 | 0.00009 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se13 | 625 | -281 | 1023 | 0.45 | 0.00008 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se13 | 724 | -237 | 1403 | 0.48 | 0.00008 | 0.12 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| Rb2Bi8Se13 | 823 | -247 | 3220 | 0.50 | 0.00020 | 0.32 | https://doi.org/10.1021/acs.chemmater.0c00703 |
| VFeSb | 350 | -180 | 129819 | 6.75 | 0.00419 | 0.22 | https://doi.org/10.1021/acs.chemmater.0c01189 |
| VFeSb | 400 | -189 | 113554 | 6.07 | 0.00405 | 0.27 | https://doi.org/10.1021/acs.chemmater.0c01189 |
| VFeSb | 500 | -202 | 86140 | 5.20 | 0.00350 | 0.34 | https://doi.org/10.1021/acs.chemmater.0c01189 |
| VFeSb | 550 | -205 | 75900 | 4.96 | 0.00318 | 0.34 | https://doi.org/10.1021/acs.chemmater.0c01189 |
| VFeSb | 600 | -204 | 67200 | 4.87 | 0.00279 | 0.33 | https://doi.org/10.1021/acs.chemmater.0c01189 |
| VFeSb | 700 | -187 | 56024 | 4.72 | 0.00200 | 0.28 | https://doi.org/10.1021/acs.chemmater.0c01189 |
| VFeSb | 800 | -146 | 51807 | 4.05 | 0.00111 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c01189 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 300 | 28 | 43750 | 0.72 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 373 | 65 | 41057 | 0.73 | 0.00017 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 473 | 99 | 33440 | 0.72 | 0.00033 | 0.21 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 573 | 124 | 27520 | 0.72 | 0.00043 | 0.34 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 673 | 149 | 22900 | 0.68 | 0.00051 | 0.50 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 773 | 174 | 19060 | 0.66 | 0.00058 | 0.68 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 873 | 197 | 16130 | 0.63 | 0.00062 | 0.86 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 973 | 218 | 13700 | 0.62 | 0.00065 | 1.02 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 1073 | 232 | 12500 | 0.63 | 0.00067 | 1.15 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.43Ce0.44Mn1.07Sb11.07 | 1173 | 238 | 12520 | 0.69 | 0.00071 | 1.21 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 300 | 44 | 36727 | 0.75 | 0.00007 | 0.03 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 373 | 72 | 34590 | 0.76 | 0.00018 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 473 | 103 | 28150 | 0.74 | 0.00030 | 0.19 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 573 | 131 | 23502 | 0.74 | 0.00040 | 0.31 | https://doi.org/10.1021/acs.chemmater.0c03043 |

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|---|---|---|---|---|---|---|---|
| Yb13.44Ce0.4Mn1.09Sb11.07 | 673 | 156 | 19810 | 0.72 | 0.00048 | 0.46 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 773 | 180 | 16420 | 0.68 | 0.00053 | 0.61 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 873 | 199 | 13840 | 0.66 | 0.00055 | 0.72 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 973 | 215 | 11800 | 0.65 | 0.00055 | 0.82 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 1073 | 224 | 11340 | 0.66 | 0.00057 | 0.93 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.44Ce0.4Mn1.09Sb11.07 | 1173 | 230 | 11750 | 0.73 | 0.00062 | 1.01 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 300 | 40 | 43723 | 0.77 | 0.00007 | 0.03 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 473 | 98 | 33007 | 0.77 | 0.00032 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 573 | 125 | 27151 | 0.76 | 0.00043 | 0.32 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 673 | 149 | 22616 | 0.73 | 0.00050 | 0.46 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 873 | 191 | 15850 | 0.68 | 0.00058 | 0.75 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 973 | 209 | 13521 | 0.65 | 0.00059 | 0.89 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 1073 | 223 | 12393 | 0.66 | 0.00062 | 1.00 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.49Ce0.39Mn1.05Sb11.08 | 1173 | 229 | 12270 | 0.71 | 0.00064 | 1.06 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 300 | 31 | 49029 | 0.86 | 0.00005 | 0.02 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 373 | 59 | 46330 | 0.88 | 0.00016 | 0.07 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 473 | 88 | 37828 | 0.87 | 0.00029 | 0.16 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 573 | 114 | 31077 | 0.86 | 0.00040 | 0.27 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 673 | 139 | 25897 | 0.83 | 0.00050 | 0.40 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 773 | 162 | 21627 | 0.78 | 0.00056 | 0.56 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 873 | 180 | 18149 | 0.78 | 0.00059 | 0.66 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 973 | 196 | 15396 | 0.74 | 0.00059 | 0.78 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 1073 | 211 | 13686 | 0.74 | 0.00061 | 0.88 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Yb13.6Ce0.363Mn0.99Sb11.05 | 1173 | 221 | 12999 | 0.77 | 0.00064 | 0.97 | https://doi.org/10.1021/acs.chemmater.0c03043 |
| Gd2.75Se4 | 350 | -93 | 7107 | 0.88 | 0.00006 | 0.02 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.75Se4 | 450 | -122 | 7610 | 0.84 | 0.00011 | 0.06 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.75Se4 | 550 | -147 | 7230 | 0.81 | 0.00016 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.75Se4 | 650 | -169 | 5720 | 0.79 | 0.00016 | 0.13 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.75Se4 | 750 | -187 | 4780 | 0.77 | 0.00017 | 0.16 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.75Se4 | 850 | -203 | 4340 | 0.74 | 0.00018 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.79Se4 | 350 | -66 | 19310 | 1.29 | 0.00008 | 0.02 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.79Se4 | 450 | -86 | 19360 | 1.28 | 0.00014 | 0.05 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.79Se4 | 550 | -105 | 19937 | 1.27 | 0.00022 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.79Se4 | 650 | -122 | 18170 | 1.26 | 0.00027 | 0.14 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.79Se4 | 750 | -137 | 15440 | 1.26 | 0.00029 | 0.17 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.79Se4 | 850 | -150 | 15130 | 1.26 | 0.00034 | 0.23 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.84Se4 | 350 | -59 | 35100 | 1.28 | 0.00012 | 0.03 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.84Se4 | 450 | -78 | 31600 | 1.29 | 0.00019 | 0.07 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.84Se4 | 550 | -96 | 28734 | 1.27 | 0.00026 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.84Se4 | 650 | -112 | 25696 | 1.27 | 0.00032 | 0.17 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.84Se4 | 750 | -127 | 23040 | 1.26 | 0.00037 | 0.22 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2.84Se4 | 850 | -139 | 21582 | 1.29 | 0.00042 | 0.27 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.92 | 350 | -81 | 35380 | 1.91 | 0.00023 | 0.04 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.92 | 450 | -99 | 30316 | 1.60 | 0.00030 | 0.08 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.92 | 550 | -116 | 25380 | 1.40 | 0.00034 | 0.13 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.92 | 650 | -131 | 21329 | 1.25 | 0.00037 | 0.19 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.92 | 750 | -145 | 17799 | 1.13 | 0.00038 | 0.25 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.92 | 850 | -158 | 15031 | 1.02 | 0.00038 | 0.31 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.94 | 350 | -85 | 35600 | 2.13 | 0.00026 | 0.04 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.94 | 450 | -109 | 30650 | 1.77 | 0.00037 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.94 | 550 | -130 | 24850 | 1.53 | 0.00042 | 0.15 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.94 | 650 | -148 | 20300 | 1.37 | 0.00044 | 0.21 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.94 | 750 | -162 | 18300 | 1.25 | 0.00048 | 0.29 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.94 | 850 | -173 | 15250 | 1.16 | 0.00046 | 0.33 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.98 | 350 | -124 | 41835 | 2.03 | 0.00064 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.98 | 450 | -147 | 34430 | 1.71 | 0.00075 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.98 | 550 | -167 | 28600 | 1.51 | 0.00080 | 0.29 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.98 | 650 | -184 | 24060 | 1.36 | 0.00081 | 0.39 | https://doi.org/10.1021/acs.chemmater.0c03581 |

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|---|---|---|---|---|---|---|---|
| Gd2Se2.98 | 750 | -196 | 20127 | 1.24 | 0.00078 | 0.47 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Gd2Se2.98 | 850 | -206 | 16918 | 1.12 | 0.00072 | 0.55 | https://doi.org/10.1021/acs.chemmater.0c03581 |
| Sn0.965Pb0.01Cd0.025Se | 300 | 315 | 2286 | 1.02 | 0.00023 | 0.07 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 373 | 336 | 3317 | 0.78 | 0.00037 | 0.18 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 423 | 348 | 3587 | 0.70 | 0.00043 | 0.26 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 473 | 360 | 3349 | 0.62 | 0.00043 | 0.33 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 573 | 393 | 2460 | 0.50 | 0.00038 | 0.44 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 673 | 410 | 1762 | 0.41 | 0.00030 | 0.49 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 723 | 385 | 2635 | 0.41 | 0.00039 | 0.69 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 823 | 298 | 7603 | 0.42 | 0.00068 | 1.31 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.965Pb0.01Cd0.025Se | 873 | 311 | 7413 | 0.41 | 0.00072 | 1.50 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 300 | 314 | 2508 | 0.88 | 0.00025 | 0.08 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 373 | 331 | 3651 | 0.67 | 0.00040 | 0.22 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 423 | 342 | 3889 | 0.57 | 0.00046 | 0.34 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 473 | 357 | 3651 | 0.51 | 0.00047 | 0.43 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 573 | 391 | 2698 | 0.41 | 0.00041 | 0.57 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 673 | 408 | 2048 | 0.34 | 0.00034 | 0.68 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 723 | 377 | 3238 | 0.34 | 0.00046 | 0.99 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 823 | 284 | 8864 | 0.36 | 0.00071 | 1.65 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.96Pb0.01Cd0.035Se | 873 | 294 | 8707 | 0.34 | 0.00075 | 1.92 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 300 | 313 | 1587 | 1.24 | 0.00016 | 0.04 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 373 | 344 | 2416 | 0.96 | 0.00029 | 0.11 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 423 | 356 | 2720 | 0.85 | 0.00035 | 0.17 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 473 | 370 | 2512 | 0.76 | 0.00034 | 0.21 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 573 | 400 | 1746 | 0.62 | 0.00028 | 0.26 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 673 | 423 | 1429 | 0.52 | 0.00026 | 0.33 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 723 | 400 | 2127 | 0.52 | 0.00034 | 0.47 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 823 | 314 | 6254 | 0.53 | 0.00062 | 0.95 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.975Pb0.01Cd0.015Se | 873 | 323 | 6032 | 0.52 | 0.00063 | 1.04 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 300 | 314 | 2095 | 1.13 | 0.00021 | 0.05 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 373 | 337 | 2889 | 0.88 | 0.00033 | 0.14 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 423 | 350 | 3111 | 0.79 | 0.00038 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 473 | 365 | 2873 | 0.70 | 0.00038 | 0.26 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 573 | 396 | 2079 | 0.56 | 0.00033 | 0.33 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 673 | 416 | 1651 | 0.48 | 0.00029 | 0.40 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 723 | 398 | 2333 | 0.48 | 0.00037 | 0.55 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 823 | 306 | 7016 | 0.50 | 0.00066 | 1.09 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Sn0.97Pb0.01Cd0.025Se | 873 | 315 | 6857 | 0.48 | 0.00068 | 1.25 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 300 | 332 | 1174 | 1.40 | 0.00013 | 0.03 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 373 | 349 | 2047 | 1.15 | 0.00025 | 0.08 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 423 | 363 | 2365 | 1.02 | 0.00031 | 0.13 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 473 | 376 | 2222 | 0.90 | 0.00031 | 0.16 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 573 | 411 | 1556 | 0.73 | 0.00026 | 0.21 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 673 | 431 | 1143 | 0.62 | 0.00021 | 0.23 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 723 | 418 | 1540 | 0.61 | 0.00027 | 0.32 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 823 | 325 | 5302 | 0.64 | 0.00056 | 0.72 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| SnSe | 873 | 332 | 5238 | 0.64 | 0.00058 | 0.79 | https://doi.org/10.1021/acs.chemmater.0c03657 |
| Ca10GaSb9 | 398 | 32 | 203 | 0.68 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10GaSb9 | 473 | 46 | 314 | 0.65 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10GaSb9 | 573 | 65 | 500 | 0.60 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10GaSb9 | 673 | 86 | 727 | 0.61 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10InSb9 | 398 | 126 | 2218 | 0.79 | 0.00004 | 0.02 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10InSb9 | 573 | 179 | 3577 | 0.72 | 0.00011 | 0.09 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10InSb9 | 673 | 195 | 4016 | 0.71 | 0.00015 | 0.14 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10InSb9 | 772 | 209 | 4250 | 0.72 | 0.00019 | 0.20 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10MnSb9 | 373 | 11 | 7 | 0.73 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10MnSb9 | 473 | 32 | 10 | 0.66 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10MnSb9 | 573 | 75 | 17 | 0.62 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |

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|---|---|---|---|---|---|---|---|
| Ca10ZnSb9 | 373 | 19 | 37 | 0.64 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10ZnSb9 | 473 | 32 | 36 | 0.60 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ca10ZnSb9 | 573 | 61 | 42 | 0.58 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.0c04940 |
| Ge0.87Mn0.05Sb0.08Te | 298 | 93 | 114433 | 2.01 | 0.00098 | 0.15 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.87Mn0.05Sb0.08Te | 398 | 124 | 95876 | 1.86 | 0.00147 | 0.32 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.87Mn0.05Sb0.08Te | 498 | 164 | 85600 | 1.67 | 0.00229 | 0.70 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.87Mn0.05Sb0.08Te | 598 | 193 | 82474 | 1.62 | 0.00307 | 1.13 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.87Mn0.05Sb0.08Te | 648 | 202 | 79900 | 1.54 | 0.00326 | 1.37 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.87Mn0.05Sb0.08Te | 698 | 210 | 76289 | 1.49 | 0.00336 | 1.58 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.87Mn0.05Sb0.08Te | 773 | 214 | 70103 | 1.49 | 0.00321 | 1.66 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.95Mn0.05Te | 298 | 45 | 379381 | 4.79 | 0.00077 | 0.05 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.95Mn0.05Te | 398 | 57 | 306186 | 4.29 | 0.00099 | 0.09 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.95Mn0.05Te | 498 | 88 | 228866 | 3.51 | 0.00179 | 0.25 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.95Mn0.05Te | 598 | 125 | 187629 | 2.79 | 0.00291 | 0.62 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.95Mn0.05Te | 648 | 140 | 160825 | 2.55 | 0.00317 | 0.81 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.95Mn0.05Te | 698 | 154 | 140200 | 2.40 | 0.00333 | 0.97 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.95Mn0.05Te | 773 | 159 | 131900 | 2.48 | 0.00333 | 1.04 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.96Mn0.02Sb0.02Te | 298 | 54 | 325773 | 4.55 | 0.00096 | 0.06 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.96Mn0.02Sb0.02Te | 398 | 77 | 242268 | 3.78 | 0.00144 | 0.15 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.96Mn0.02Sb0.02Te | 498 | 115 | 165979 | 2.92 | 0.00218 | 0.37 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.96Mn0.02Sb0.02Te | 598 | 164 | 113402 | 2.01 | 0.00304 | 0.90 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.96Mn0.02Sb0.02Te | 648 | 186 | 100000 | 1.81 | 0.00346 | 1.24 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.96Mn0.02Sb0.02Te | 698 | 187 | 100000 | 1.79 | 0.00350 | 1.37 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.96Mn0.02Sb0.02Te | 773 | 179 | 109278 | 2.17 | 0.00350 | 1.25 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.01Sb0.01Te | 298 | 35 | 507216 | 6.07 | 0.00063 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.01Sb0.01Te | 398 | 52 | 383505 | 5.19 | 0.00102 | 0.08 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.01Sb0.01Te | 498 | 74 | 262887 | 3.83 | 0.00142 | 0.18 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.01Sb0.01Te | 598 | 106 | 172165 | 2.61 | 0.00194 | 0.44 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.01Sb0.01Te | 648 | 130 | 140206 | 2.24 | 0.00237 | 0.69 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.01Sb0.01Te | 698 | 147 | 143299 | 2.15 | 0.00311 | 1.01 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.01Sb0.01Te | 773 | 148 | 143300 | 2.67 | 0.00313 | 0.90 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.02Te | 298 | 42 | 475258 | 5.85 | 0.00082 | 0.04 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.02Te | 398 | 52 | 377320 | 5.13 | 0.00100 | 0.08 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.02Te | 498 | 73 | 273196 | 4.00 | 0.00145 | 0.18 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.02Te | 598 | 110 | 190722 | 3.03 | 0.00229 | 0.45 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.02Te | 648 | 131 | 148454 | 2.71 | 0.00253 | 0.61 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.98Mn0.02Te | 698 | 145 | 137113 | 2.39 | 0.00289 | 0.85 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.99Mn0.01Te | 298 | 33 | 589691 | 6.78 | 0.00063 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.99Mn0.01Te | 398 | 44 | 432990 | 5.91 | 0.00083 | 0.06 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.99Mn0.01Te | 498 | 63 | 300000 | 4.41 | 0.00120 | 0.14 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.99Mn0.01Te | 648 | 145 | 136082 | 2.47 | 0.00285 | 0.75 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.9Mn0.05Sb0.05Te | 298 | 76 | 162900 | 2.94 | 0.00095 | 0.09 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.9Mn0.05Sb0.05Te | 398 | 92 | 136082 | 2.61 | 0.00118 | 0.18 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.9Mn0.05Sb0.05Te | 498 | 133 | 100000 | 2.09 | 0.00178 | 0.42 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.9Mn0.05Sb0.05Te | 598 | 175 | 93814 | 1.78 | 0.00287 | 0.97 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.9Mn0.05Sb0.05Te | 648 | 189 | 86700 | 1.71 | 0.00310 | 1.17 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.9Mn0.05Sb0.05Te | 698 | 198 | 79381 | 1.69 | 0.00312 | 1.29 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Ge0.9Mn0.05Sb0.05Te | 773 | 201 | 73196 | 1.70 | 0.00295 | 1.34 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| GeTe | 298 | 27 | 741237 | 8.04 | 0.00054 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| GeTe | 398 | 36 | 538144 | 6.73 | 0.00071 | 0.04 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| GeTe | 498 | 56 | 368041 | 4.96 | 0.00117 | 0.12 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| GeTe | 598 | 89 | 243299 | 3.38 | 0.00194 | 0.34 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| GeTe | 648 | 117 | 192784 | 2.81 | 0.00264 | 0.61 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| GeTe | 698 | 143 | 162887 | 2.51 | 0.00331 | 0.92 | https://doi.org/10.1021/acs.chemmater.1c00331 |
| Cu26Ti2Sb3Ge3S32 | 308 | 67 | 158333 | 1.99 | 0.00071 | 0.11 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb3Ge3S32 | 400 | 85 | 139024 | 1.86 | 0.00101 | 0.22 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb3Ge3S32 | 498 | 104 | 111765 | 1.75 | 0.00120 | 0.34 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb3Ge3S32 | 596 | 123 | 89063 | 1.58 | 0.00135 | 0.49 | https://doi.org/10.1021/acs.chemmater.1c00872 |

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|---|---|---|---|---|---|---|---|
| Cu26Ti2Sb3Ge3S32 | 677 | 140 | 70370 | 1.46 | 0.00137 | 0.64 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb4Ge2S32 | 308 | 116 | 59375 | 1.30 | 0.00080 | 0.19 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb4Ge2S32 | 400 | 137 | 53271 | 1.12 | 0.00099 | 0.36 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb4Ge2S32 | 498 | 160 | 44882 | 1.03 | 0.00115 | 0.56 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb4Ge2S32 | 596 | 181 | 36306 | 0.94 | 0.00119 | 0.75 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Cu26Ti2Sb4Ge2S32 | 677 | 200 | 30159 | 0.90 | 0.00121 | 0.91 | https://doi.org/10.1021/acs.chemmater.1c00872 |
| Ca3.2Yb1.65Pr0.15Al2Sb6 | 323 | 46 | 2570 | 1.47 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.2Yb1.65Pr0.15Al2Sb6 | 423 | 48 | 3000 | 1.46 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.2Yb1.65Pr0.15Al2Sb6 | 523 | 49 | 3750 | 1.46 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.2Yb1.65Pr0.15Al2Sb6 | 623 | 51 | 4000 | 1.46 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.2Yb1.65Pr0.15Al2Sb6 | 723 | 55 | 4200 | 1.49 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.2Yb1.65Pr0.15Al2Sb6 | 823 | 59 | 3688 | 1.50 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 323 | 56 | 7960 | 1.21 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 423 | 69 | 7950 | 1.19 | 0.00004 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 523 | 77 | 8370 | 1.19 | 0.00005 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 623 | 83 | 9120 | 1.22 | 0.00006 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 723 | 89 | 9420 | 1.26 | 0.00007 | 0.04 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 823 | 92 | 8900 | 1.29 | 0.00008 | 0.05 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 323 | -79 | 146 | 0.97 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 423 | -108 | 354 | 0.90 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 523 | -111 | 729 | 0.85 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 623 | -99 | 1104 | 0.83 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 723 | -67 | 1458 | 0.84 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.3Yb1.5Sm0.2Al2Sb6 | 823 | -23 | 1792 | 0.88 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.46Yb1.35Pr0.19Al2Sb6 | 323 | -120 | 271 | 1.65 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.46Yb1.35Pr0.19Al2Sb6 | 423 | -141 | 667 | 1.45 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.46Yb1.35Pr0.19Al2Sb6 | 523 | -150 | 1104 | 1.33 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.46Yb1.35Pr0.19Al2Sb6 | 623 | -143 | 1380 | 1.27 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.46Yb1.35Pr0.19Al2Sb6 | 723 | -112 | 1604 | 1.29 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Ca3.46Yb1.35Pr0.19Al2Sb6 | 823 | -55 | 2000 | 1.37 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01318 |
| Cu1.55S | 300 | 8 | 539423 | 3.84 | 0.00004 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.55S | 350 | 14 | 536538 | 3.91 | 0.00010 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.55S | 400 | 16 | 523558 | 4.55 | 0.00014 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.55S | 450 | 19 | 488571 | 4.76 | 0.00018 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.55S | 500 | 22 | 451442 | 4.82 | 0.00022 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.55S | 550 | 26 | 415385 | 4.79 | 0.00028 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.55S | 600 | 32 | 378846 | 4.73 | 0.00038 | 0.05 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.5S | 300 | 10 | 571905 | 4.37 | 0.00006 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.5S | 350 | 14 | 570952 | 4.36 | 0.00011 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.5S | 400 | 16 | 552885 | 4.99 | 0.00013 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.5S | 450 | 18 | 513462 | 5.12 | 0.00017 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.5S | 500 | 21 | 473810 | 5.15 | 0.00021 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.5S | 550 | 25 | 436190 | 5.11 | 0.00026 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.5S | 600 | 29 | 396154 | 5.08 | 0.00033 | 0.04 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.6S | 300 | 8 | 387019 | 3.41 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.6S | 350 | 17 | 404808 | 3.54 | 0.00011 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.6S | 400 | 20 | 406250 | 4.11 | 0.00016 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.6S | 450 | 24 | 385577 | 4.32 | 0.00022 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.6S | 500 | 28 | 360577 | 4.41 | 0.00029 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.6S | 550 | 33 | 332211 | 4.40 | 0.00037 | 0.05 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Cu1.6S | 600 | 39 | 292308 | 4.33 | 0.00044 | 0.06 | https://doi.org/10.1021/acs.chemmater.1c01856 |
| Yb10Ca3BaMgSb11 | 300 | 50 | 19826 | 0.53 | 0.00005 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb10Ca3BaMgSb11 | 500 | 117 | 17877 | 0.59 | 0.00024 | 0.21 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb10Ca3BaMgSb11 | 700 | 156 | 14887 | 0.61 | 0.00036 | 0.41 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb10Ca3BaMgSb11 | 800 | 177 | 13582 | 0.62 | 0.00042 | 0.55 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb11Ca2BaMgSb11 | 400 | 82 | 23198 | 0.65 | 0.00016 | 0.10 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb11Ca2BaMgSb11 | 600 | 130 | 18950 | 0.67 | 0.00032 | 0.29 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb11Ca2BaMgSb11 | 800 | 170 | 15160 | 0.67 | 0.00044 | 0.52 | https://doi.org/10.1021/acs.chemmater.1c02584 |

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|---|---|---|---|---|---|---|---|
| Yb11Ca2BaMgSb11 | 900 | 191 | 13650 | 0.67 | 0.00050 | 0.67 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb12CaBaMgSb11 | 400 | 84 | 29599 | 0.69 | 0.00021 | 0.12 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb12CaBaMgSb11 | 600 | 127 | 21416 | 0.72 | 0.00035 | 0.29 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb12CaBaMgSb11 | 800 | 168 | 16623 | 0.71 | 0.00047 | 0.52 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb12CaBaMgSb11 | 1000 | 207 | 13466 | 0.68 | 0.00058 | 0.86 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb7Ca6BaMgSb11 | 300 | 60 | 10942 | 0.53 | 0.00004 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb7Ca6BaMgSb11 | 500 | 132 | 12260 | 0.56 | 0.00021 | 0.19 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb7Ca6BaMgSb11 | 700 | 167 | 12100 | 0.60 | 0.00034 | 0.39 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb7Ca6BaMgSb11 | 900 | 197 | 11750 | 0.62 | 0.00046 | 0.66 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb7Ca6BaMgSb11 | 1100 | 224 | 11200 | 0.68 | 0.00056 | 0.91 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb7Ca6BaMgSb11 | 1200 | 234 | 10970 | 0.71 | 0.00060 | 1.02 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb8Ca5BaMgSb11 | 300 | 64 | 14150 | 0.53 | 0.00006 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb8Ca5BaMgSb11 | 500 | 129 | 14600 | 0.58 | 0.00024 | 0.21 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb8Ca5BaMgSb11 | 700 | 165 | 13500 | 0.61 | 0.00037 | 0.42 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb8Ca5BaMgSb11 | 900 | 196 | 12400 | 0.61 | 0.00047 | 0.70 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb8Ca5BaMgSb11 | 1100 | 222 | 11320 | 0.64 | 0.00056 | 0.95 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb8Ca5BaMgSb11 | 1200 | 230 | 10923 | 0.67 | 0.00058 | 1.03 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb9Ca4BaMgSb11 | 300 | 59 | 17350 | 0.50 | 0.00006 | 0.04 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb9Ca4BaMgSb11 | 500 | 128 | 17200 | 0.56 | 0.00028 | 0.25 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb9Ca4BaMgSb11 | 700 | 164 | 15350 | 0.60 | 0.00041 | 0.48 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb9Ca4BaMgSb11 | 900 | 200 | 13550 | 0.60 | 0.00054 | 0.81 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb9Ca4BaMgSb11 | 1100 | 228 | 12056 | 0.60 | 0.00062 | 1.14 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Yb9Ca4BaMgSb11 | 1200 | 236 | 11493 | 0.61 | 0.00064 | 1.26 | https://doi.org/10.1021/acs.chemmater.1c02584 |
| Sn0.92Ge0.04As0.04Te | 328 | 37 | 786420 | 7.48 | 0.00110 | 0.11 | https://doi.org/10.1021/acs.chemmater.1c03198 |
| Sn0.92Ge0.04As0.04Te | 470 | 48 | 522222 | 6.63 | 0.00121 | 0.22 | https://doi.org/10.1021/acs.chemmater.1c03198 |
| Sn0.92Ge0.04As0.04Te | 620 | 65 | 343210 | 5.23 | 0.00145 | 0.38 | https://doi.org/10.1021/acs.chemmater.1c03198 |
| Sn0.92Ge0.04As0.04Te | 769 | 89 | 233333 | 3.86 | 0.00187 | 0.59 | https://doi.org/10.1021/acs.chemmater.1c03198 |
| Sn0.92Ge0.04As0.04Te | 869 | 109 | 185200 | 3.53 | 0.00220 | 0.75 | https://doi.org/10.1021/acs.chemmater.1c03198 |
| Cu5.133Sn1.866S6.3Cl0.7 | 327 | 62 | 82784 | 2.00 | 0.00032 | 0.05 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.3Cl0.7 | 426 | 76 | 87452 | 1.76 | 0.00051 | 0.12 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.3Cl0.7 | 529 | 97 | 72204 | 1.55 | 0.00067 | 0.23 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.3Cl0.7 | 633 | 117 | 60267 | 1.40 | 0.00083 | 0.37 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.3Cl0.7 | 685 | 127 | 51954 | 1.33 | 0.00084 | 0.43 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.65Cl0.35 | 300 | 48 | 139506 | 2.33 | 0.00032 | 0.04 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.65Cl0.35 | 415 | 69 | 118325 | 1.94 | 0.00056 | 0.12 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.65Cl0.35 | 515 | 87 | 97414 | 1.69 | 0.00074 | 0.22 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.65Cl0.35 | 617 | 106 | 76610 | 1.50 | 0.00086 | 0.36 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S6.65Cl0.35 | 667 | 115 | 68485 | 1.44 | 0.00091 | 0.42 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S7 | 300 | 21 | 400000 | 6.56 | 0.00018 | 0.01 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S7 | 415 | 32 | 370492 | 5.21 | 0.00038 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S7 | 515 | 43 | 313889 | 4.28 | 0.00057 | 0.07 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S7 | 617 | 54 | 245652 | 3.64 | 0.00072 | 0.12 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5.133Sn1.866S7 | 667 | 59 | 219417 | 3.35 | 0.00077 | 0.15 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S6.65Cl0.35 | 300 | 41 | 168657 | 2.84 | 0.00029 | 0.03 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S6.65Cl0.35 | 415 | 58 | 143949 | 2.40 | 0.00049 | 0.08 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S6.65Cl0.35 | 515 | 75 | 118947 | 2.13 | 0.00067 | 0.16 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S6.65Cl0.35 | 617 | 93 | 94958 | 1.85 | 0.00082 | 0.27 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S6.65Cl0.35 | 667 | 102 | 81884 | 1.74 | 0.00085 | 0.33 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S7 | 300 | 30 | 337313 | 5.51 | 0.00031 | 0.02 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S7 | 422 | 42 | 243011 | 4.24 | 0.00043 | 0.04 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S7 | 524 | 55 | 200000 | 3.64 | 0.00060 | 0.09 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S7 | 627 | 69 | 159155 | 3.13 | 0.00075 | 0.15 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Cu5Sn2S7 | 678 | 75 | 139506 | 2.89 | 0.00078 | 0.18 | https://doi.org/10.1021/acs.chemmater.1c03434 |
| Ba7.97Ga15.95Sn30.05 | 300 | 315 | 14140 | 0.99 | 0.00141 | 0.43 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba7.97Ga15.95Sn30.06 | 340 | 337 | 13463 | 0.92 | 0.00153 | 0.56 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba7.97Ga15.95Sn30.07 | 580 | 335 | 11183 | 1.23 | 0.00125 | 0.59 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba7.97Ga15.95Sn30.08 | 540 | 354 | 10560 | 1.02 | 0.00132 | 0.70 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba7.97Ga15.95Sn30.09 | 500 | 361 | 10558 | 0.90 | 0.00137 | 0.76 | https://doi.org/10.1021/acs.chemmater.5b00025 |

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|---|---|---|---|---|---|---|---|
| Ba7.97Ga15.95Sn30.10 | 460 | 362 | 11183 | 0.87 | 0.00147 | 0.78 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 300 | 411 | 5190 | 0.86 | 0.00088 | 0.31 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 340 | 431 | 4929 | 0.83 | 0.00092 | 0.38 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 380 | 449 | 4709 | 0.79 | 0.00095 | 0.46 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 580 | 470 | 4780 | 1.27 | 0.00106 | 0.48 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 540 | 486 | 4254 | 1.03 | 0.00100 | 0.52 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 420 | 467 | 4480 | 0.76 | 0.00097 | 0.54 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 500 | 485 | 4202 | 0.86 | 0.00099 | 0.57 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.83Zn0.019Sn30.15 | 460 | 479 | 4306 | 0.78 | 0.00099 | 0.58 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 300 | 369 | 7591 | 0.95 | 0.00103 | 0.33 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 340 | 389 | 7197 | 0.88 | 0.00109 | 0.42 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 380 | 408 | 6797 | 0.85 | 0.00113 | 0.51 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 420 | 423 | 6360 | 0.83 | 0.00114 | 0.58 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 580 | 424 | 7300 | 1.19 | 0.00131 | 0.64 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 460 | 438 | 6118 | 0.82 | 0.00117 | 0.66 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 540 | 445 | 6320 | 0.97 | 0.00125 | 0.69 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.88Zn0.009Sn30.11 | 500 | 451 | 5876 | 0.86 | 0.00119 | 0.70 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 300 | 336 | 14596 | 0.99 | 0.00164 | 0.50 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 340 | 355 | 13640 | 0.93 | 0.00172 | 0.63 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 380 | 374 | 12700 | 0.90 | 0.00178 | 0.75 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 580 | 392 | 11500 | 1.25 | 0.00177 | 0.82 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 420 | 383 | 11985 | 0.88 | 0.00176 | 0.84 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 460 | 391 | 11429 | 0.87 | 0.00175 | 0.92 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 540 | 405 | 10940 | 1.02 | 0.00179 | 0.95 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8.01Ga15.89Zn0.006Sn30.1 | 500 | 399 | 11050 | 0.91 | 0.00176 | 0.97 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 300 | 320 | 16750 | 1.00 | 0.00172 | 0.52 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 340 | 341 | 15620 | 0.94 | 0.00182 | 0.66 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 380 | 360 | 14699 | 0.91 | 0.00190 | 0.79 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 580 | 385 | 11890 | 1.25 | 0.00176 | 0.82 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 420 | 374 | 13684 | 0.89 | 0.00192 | 0.90 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 540 | 396 | 12023 | 1.03 | 0.00189 | 0.99 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 460 | 389 | 13000 | 0.89 | 0.00197 | 1.02 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba8Ga15.88Zn0.007Sn30.12 | 500 | 400 | 12310 | 0.92 | 0.00197 | 1.07 | https://doi.org/10.1021/acs.chemmater.5b00025 |
| Ba0.5Cr5Se8 | 300 | 228 | 372 | 1.09 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ba0.5Cr5Se8 | 389 | 258 | 471 | 1.17 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ba0.5Cr5Se8 | 507 | 286 | 709 | 1.28 | 0.00006 | 0.02 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ba0.5Cr5Se8 | 626 | 312 | 1240 | 1.47 | 0.00012 | 0.05 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ba0.5Cr5Se8 | 743 | 294 | 1411 | 0.96 | 0.00012 | 0.10 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ba0.5Cr5Se8 | 803 | 269 | 1640 | 0.85 | 0.00012 | 0.11 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ba0.5Cr5Se8 | 833 | 250 | 1907 | 0.86 | 0.00012 | 0.12 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ba0.5Cr5Se8 | 862 | 225 | 2265 | 0.87 | 0.00011 | 0.11 | https://doi.org/10.1021/acs.chemmater.5b02933 |
| Ge0.55Pb0.45Te | 300 | 50 | 75949 | 2.51 | 0.00019 | 0.02 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te | 373 | 63 | 63830 | 2.13 | 0.00026 | 0.04 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te | 472 | 84 | 48000 | 2.03 | 0.00034 | 0.08 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te | 571 | 101 | 38462 | 2.25 | 0.00039 | 0.10 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te | 671 | 112 | 41667 | 1.77 | 0.00053 | 0.21 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te | 721 | 129 | 39474 | 1.72 | 0.00065 | 0.28 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.2Se0.8 | 300 | 384 | 2850 | 0.80 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.2Se0.8 | 370 | 391 | 2821 | 0.74 | 0.00008 | 0.04 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.2Se0.8 | 470 | 281 | 2022 | 0.78 | 0.00009 | 0.05 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.2Se0.8 | 569 | 230 | 2321 | 0.91 | 0.00011 | 0.07 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.2Se0.8 | 668 | 225 | 4622 | 0.85 | 0.00017 | 0.14 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.2Se0.8 | 721 | 211 | 6790 | 0.87 | 0.00004 | 0.03 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.3Se0.7 | 300 | 258 | 4955 | 0.79 | 0.00043 | 0.16 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.3Se0.7 | 370 | 272 | 5288 | 0.67 | 0.00049 | 0.27 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.3Se0.7 | 470 | 339 | 3571 | 0.65 | 0.00051 | 0.37 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.3Se0.7 | 569 | 299 | 4911 | 0.64 | 0.00054 | 0.48 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.3Se0.7 | 668 | 296 | 6044 | 0.62 | 0.00064 | 0.69 | https://doi.org/10.1021/acs.chemmater.6b02772 |

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|---|---|---|---|---|---|---|---|
| Ge0.55Pb0.45Te0.3Se0.7 | 721 | 291 | 6875 | 0.68 | 0.00069 | 0.73 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.4Se0.6 | 300 | 238 | 8088 | 0.91 | 0.00046 | 0.15 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.4Se0.6 | 370 | 258 | 8070 | 0.80 | 0.00054 | 0.25 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.4Se0.6 | 470 | 316 | 5500 | 0.79 | 0.00063 | 0.36 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.4Se0.6 | 569 | 295 | 6790 | 0.77 | 0.00066 | 0.40 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.4Se0.6 | 668 | 291 | 7971 | 0.68 | 0.00079 | 0.77 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.4Se0.6 | 721 | 281 | 9483 | 0.67 | 0.00085 | 0.92 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.5Se0.5 | 300 | 221 | 10377 | 0.67 | 0.00050 | 0.25 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.5Se0.5 | 370 | 249 | 10000 | 0.60 | 0.00062 | 0.40 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.5Se0.5 | 470 | 301 | 6875 | 0.53 | 0.00062 | 0.58 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.5Se0.5 | 569 | 293 | 7534 | 0.50 | 0.00065 | 0.79 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.5Se0.5 | 668 | 280 | 10000 | 0.39 | 0.00078 | 1.46 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.5Se0.5 | 721 | 273 | 12000 | 0.46 | 0.00090 | 1.56 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.8Se0.2 | 300 | 83 | 37975 | 1.03 | 0.00026 | 0.10 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.8Se0.2 | 370 | 100 | 31915 | 1.00 | 0.00032 | 0.12 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.8Se0.2 | 470 | 127 | 23904 | 0.97 | 0.00038 | 0.18 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.8Se0.2 | 569 | 149 | 19544 | 1.12 | 0.00043 | 0.24 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.8Se0.2 | 668 | 130 | 29851 | 1.03 | 0.00050 | 0.30 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| Ge0.55Pb0.45Te0.8Se0.2 | 721 | 143 | 30000 | 1.18 | 0.00061 | 0.38 | https://doi.org/10.1021/acs.chemmater.6b02772 |
| ZrNiPb | 303 | -228 | 14590 | 7.67 | 0.00076 | 0.03 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb | 475 | -261 | 16570 | 5.77 | 0.00113 | 0.09 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb | 673 | -199 | 29603 | 5.47 | 0.00118 | 0.15 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb | 871 | -125 | 61219 | 6.86 | 0.00096 | 0.12 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.92Sn0.6Bi0.02 | 303 | -97 | 333333 | 5.90 | 0.00314 | 0.16 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.92Sn0.6Bi0.02 | 475 | -127 | 276964 | 5.84 | 0.00446 | 0.36 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.92Sn0.6Bi0.02 | 673 | -153 | 218470 | 5.85 | 0.00508 | 0.58 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.92Sn0.6Bi0.02 | 771 | -162 | 196761 | 5.90 | 0.00514 | 0.67 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.92Sn0.6Bi0.02 | 871 | -169 | 178450 | 5.97 | 0.00508 | 0.74 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.94Sn0.4Bi0.02 | 303 | -85 | 376450 | 5.92 | 0.00274 | 0.14 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.94Sn0.4Bi0.02 | 475 | -116 | 293000 | 5.58 | 0.00392 | 0.33 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.94Sn0.4Bi0.02 | 673 | -142 | 224655 | 5.31 | 0.00455 | 0.58 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.94Sn0.4Bi0.02 | 771 | -149 | 206610 | 5.33 | 0.00458 | 0.66 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.94Sn0.4Bi0.02 | 871 | -153 | 192500 | 5.51 | 0.00448 | 0.71 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.96Sn0.2Bi0.02 | 303 | -85 | 445128 | 6.60 | 0.00318 | 0.15 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.96Sn0.2Bi0.02 | 475 | -111 | 351120 | 6.34 | 0.00432 | 0.32 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.96Sn0.2Bi0.02 | 673 | -141 | 258298 | 5.95 | 0.00515 | 0.58 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.96Sn0.2Bi0.02 | 771 | -149 | 231000 | 6.05 | 0.00512 | 0.65 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.96Sn0.2Bi0.02 | 871 | -152 | 210000 | 6.26 | 0.00486 | 0.68 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.985Bi0.015 | 303 | -91 | 347550 | 10.80 | 0.00285 | 0.08 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.985Bi0.015 | 475 | -122 | 261850 | 8.36 | 0.00390 | 0.22 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.985Bi0.015 | 673 | -150 | 194507 | 7.24 | 0.00436 | 0.41 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.985Bi0.015 | 771 | -158 | 171250 | 7.11 | 0.00428 | 0.46 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.985Bi0.015 | 871 | -149 | 161052 | 7.23 | 0.00355 | 0.43 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.98Bi0.02 | 303 | -90 | 394700 | 10.84 | 0.00318 | 0.09 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.98Bi0.02 | 475 | -121 | 306000 | 8.59 | 0.00450 | 0.25 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.98Bi0.02 | 673 | -147 | 230500 | 7.33 | 0.00498 | 0.46 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.98Bi0.02 | 771 | -156 | 204869 | 7.11 | 0.00501 | 0.54 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.98Bi0.02 | 871 | -155 | 186420 | 7.14 | 0.00448 | 0.55 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.993Bi0.007 | 303 | -156 | 174500 | 10.38 | 0.00427 | 0.12 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.993Bi0.007 | 475 | -198 | 137000 | 7.52 | 0.00537 | 0.34 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.993Bi0.007 | 673 | -213 | 102872 | 6.22 | 0.00469 | 0.51 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.993Bi0.007 | 771 | -210 | 96296 | 6.31 | 0.00425 | 0.52 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.993Bi0.007 | 871 | -180 | 100900 | 6.83 | 0.00328 | 0.42 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.995Bi0.005 | 303 | -169 | 130250 | 9.74 | 0.00373 | 0.12 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.995Bi0.005 | 475 | -209 | 101910 | 7.12 | 0.00445 | 0.30 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.995Bi0.005 | 673 | -225 | 81483 | 6.03 | 0.00413 | 0.46 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.995Bi0.005 | 771 | -214 | 78390 | 6.28 | 0.00359 | 0.44 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.995Bi0.005 | 871 | -180 | 83600 | 7.07 | 0.00272 | 0.33 | https://doi.org/10.1021/acs.chemmater.6b04898 |

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|---|---|---|---|---|---|---|---|
| ZrNiPb0.99Bi0.01 | 475 | -160 | 171240 | 7.74 | 0.00440 | 0.27 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.99Bi0.01 | 673 | -189 | 129020 | 6.51 | 0.00463 | 0.48 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.99Bi0.01 | 771 | -189 | 117401 | 6.46 | 0.00417 | 0.50 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.9Sn0.8Bi0.02 | 303 | -124 | 190000 | 6.44 | 0.00290 | 0.14 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.9Sn0.8Bi0.02 | 475 | -154 | 161842 | 5.87 | 0.00385 | 0.31 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.9Sn0.8Bi0.02 | 673 | -175 | 141747 | 5.66 | 0.00435 | 0.52 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.9Sn0.8Bi0.02 | 771 | -181 | 133120 | 5.63 | 0.00436 | 0.60 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiPb0.9Sn0.8Bi0.02 | 871 | -184 | 128800 | 5.90 | 0.00434 | 0.64 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiSn0.98Bi0.02 | 303 | -136 | 42687 | 9.72 | 0.00079 | 0.02 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiSn0.98Bi0.02 | 475 | -179 | 45700 | 7.84 | 0.00146 | 0.09 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiSn0.98Bi0.02 | 673 | -211 | 54100 | 6.85 | 0.00241 | 0.24 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiSn0.98Bi0.02 | 771 | -210 | 60520 | 6.75 | 0.00267 | 0.30 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| ZrNiSn0.98Bi0.02 | 871 | -197 | 69570 | 7.00 | 0.00271 | 0.34 | https://doi.org/10.1021/acs.chemmater.6b04898 |
| Cu12Sb4S13 | 322 | 96 | 14111 | 0.49 | 0.00013 | 0.08 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu12Sb4S13 | 422 | 107 | 26850 | 0.61 | 0.00031 | 0.22 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu12Sb4S13 | 522 | 123 | 30440 | 0.65 | 0.00046 | 0.37 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu12Sb4S13 | 622 | 173 | 15500 | 0.51 | 0.00047 | 0.56 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu12Sb4S13 | 720 | 220 | 8570 | 0.45 | 0.00041 | 0.66 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu11ZnSb4S13 | 322 | 131 | 9622 | 0.43 | 0.00016 | 0.12 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu11ZnSb4S13 | 422 | 148 | 10700 | 0.45 | 0.00023 | 0.22 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu11ZnSb4S13 | 522 | 162 | 12604 | 0.47 | 0.00033 | 0.37 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu11ZnSb4S13 | 621 | 185 | 10852 | 0.40 | 0.00037 | 0.58 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| Cu11ZnSb4S13 | 720 | 246 | 7710 | 0.31 | 0.00047 | 1.09 | https://doi.org/10.1021/acs.chemmater.6b04950 |
| K0.975Ba0.025GaSb4 | 324 | -135 | 23542 | 1.13 | 0.00043 | 0.12 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.975Ba0.025GaSb4 | 416 | -177 | 24338 | 0.98 | 0.00076 | 0.32 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.975Ba0.025GaSb4 | 509 | -206 | 20000 | 0.80 | 0.00085 | 0.54 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.985Ba0.015GaSb4 | 324 | -146 | 24541 | 1.18 | 0.00052 | 0.14 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.985Ba0.015GaSb4 | 416 | -184 | 24338 | 0.96 | 0.00082 | 0.36 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.985Ba0.015GaSb4 | 509 | -212 | 20000 | 0.89 | 0.00090 | 0.51 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.985Ba0.015GaSb4 | 602 | -229 | 15796 | 0.71 | 0.00083 | 0.71 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.985Ba0.015GaSb4 | 649 | -233 | 14780 | 0.65 | 0.00080 | 0.80 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.98Ba0.02GaSb4 | 324 | -123 | 27342 | 1.25 | 0.00041 | 0.11 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.98Ba0.02GaSb4 | 416 | -162 | 26668 | 0.96 | 0.00070 | 0.30 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.98Ba0.02GaSb4 | 509 | -193 | 21130 | 0.78 | 0.00079 | 0.51 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.98Ba0.02GaSb4 | 602 | -213 | 17309 | 0.67 | 0.00078 | 0.71 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.98Ba0.02GaSb4 | 649 | -221 | 16330 | 0.65 | 0.00080 | 0.80 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.995Ba0.005GaSb4 | 324 | -183 | 1633 | 0.87 | 0.00005 | 0.02 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.995Ba0.005GaSb4 | 416 | -232 | 3942 | 0.80 | 0.00021 | 0.11 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.995Ba0.005GaSb4 | 509 | -268 | 6822 | 0.67 | 0.00049 | 0.37 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.995Ba0.005GaSb4 | 602 | -293 | 7053 | 0.56 | 0.00060 | 0.66 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.995Ba0.005GaSb4 | 649 | -304 | 6490 | 0.52 | 0.00060 | 0.75 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.99Ba0.01GaSb4 | 324 | -143 | 11614 | 1.12 | 0.00024 | 0.07 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.99Ba0.01GaSb4 | 416 | -186 | 14178 | 0.87 | 0.00049 | 0.24 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.99Ba0.01GaSb4 | 509 | -220 | 13266 | 0.70 | 0.00064 | 0.47 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.99Ba0.01GaSb4 | 602 | -246 | 11141 | 0.61 | 0.00067 | 0.66 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| K0.99Ba0.01GaSb4 | 649 | -250 | 10424 | 0.56 | 0.00065 | 0.76 | https://doi.org/10.1021/acs.chemmater.7b01217 |
| Ag0.01Sn0.99Se | 322 | 296 | 1547 | 0.53 | 0.00014 | 0.08 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se | 418 | 337 | 1147 | 0.41 | 0.00013 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se | 518 | 381 | 698 | 0.29 | 0.00010 | 0.18 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se | 567 | 401 | 586 | 0.29 | 0.00009 | 0.19 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se | 616 | 416 | 653 | 0.29 | 0.00011 | 0.24 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se | 666 | 406 | 845 | 0.29 | 0.00014 | 0.32 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se | 763 | 347 | 1802 | 0.27 | 0.00022 | 0.62 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se | 813 | 301 | 2877 | 0.23 | 0.00026 | 0.92 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.65S0.35 | 322 | 305 | 550 | 0.29 | 0.00005 | 0.06 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.65S0.35 | 418 | 359 | 463 | 0.23 | 0.00006 | 0.11 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.65S0.35 | 518 | 402 | 326 | 0.19 | 0.00005 | 0.15 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.65S0.35 | 567 | 443 | 250 | 0.18 | 0.00005 | 0.16 | https://doi.org/10.1021/acs.chemmater.7b01612 |

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|---|---|---|---|---|---|---|---|
| Ag0.01Sn0.99Se0.65S0.35 | 616 | 471 | 262 | 0.18 | 0.00006 | 0.19 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.65S0.35 | 666 | 443 | 364 | 0.19 | 0.00007 | 0.25 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.65S0.35 | 763 | 392 | 877 | 0.21 | 0.00013 | 0.50 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.65S0.35 | 813 | 385 | 910 | 0.18 | 0.00013 | 0.60 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 322 | 306 | 1116 | 0.21 | 0.00010 | 0.16 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 418 | 353 | 841 | 0.19 | 0.00010 | 0.23 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 518 | 395 | 571 | 0.16 | 0.00009 | 0.29 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 567 | 426 | 458 | 0.14 | 0.00008 | 0.33 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 616 | 430 | 488 | 0.13 | 0.00009 | 0.43 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 666 | 410 | 710 | 0.14 | 0.00012 | 0.59 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 763 | 362 | 1451 | 0.13 | 0.00019 | 1.12 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.85S0.15 | 813 | 315 | 2247 | 0.12 | 0.00022 | 1.56 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 322 | 314 | 1031 | 0.20 | 0.00010 | 0.16 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 418 | 363 | 868 | 0.17 | 0.00011 | 0.28 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 518 | 406 | 558 | 0.16 | 0.00009 | 0.30 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 567 | 433 | 432 | 0.16 | 0.00008 | 0.29 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 616 | 450 | 452 | 0.16 | 0.00009 | 0.35 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 666 | 425 | 675 | 0.18 | 0.00012 | 0.45 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 763 | 371 | 1608 | 0.18 | 0.00022 | 0.91 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.8S0.2 | 813 | 327 | 2400 | 0.15 | 0.00026 | 1.40 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 322 | 301 | 1505 | 0.33 | 0.00014 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 418 | 347 | 1108 | 0.26 | 0.00013 | 0.21 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 518 | 385 | 698 | 0.20 | 0.00010 | 0.27 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 567 | 416 | 569 | 0.19 | 0.00010 | 0.29 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 616 | 432 | 596 | 0.21 | 0.00011 | 0.32 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 666 | 410 | 837 | 0.24 | 0.00014 | 0.40 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 763 | 362 | 1708 | 0.22 | 0.00022 | 0.77 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Ag0.01Sn0.99Se0.9S0.1 | 813 | 311 | 2689 | 0.18 | 0.00026 | 1.17 | https://doi.org/10.1021/acs.chemmater.7b01612 |
| Cu2Se | 303 | 73 | 143966 | 1.20 | 0.00076 | 0.19 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 333 | 85 | 122500 | 1.06 | 0.00089 | 0.28 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 353 | 96 | 100000 | 0.91 | 0.00092 | 0.36 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 372 | 100 | 79524 | 0.71 | 0.00079 | 0.42 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 450 | 98 | 84343 | 1.22 | 0.00082 | 0.30 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 550 | 126 | 64231 | 1.13 | 0.00101 | 0.49 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 650 | 152 | 49118 | 1.06 | 0.00114 | 0.70 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 750 | 178 | 38500 | 1.00 | 0.00122 | 0.91 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 850 | 202 | 30812 | 0.94 | 0.00126 | 1.14 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se | 1000 | 237 | 21802 | 0.87 | 0.00122 | 1.41 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 303 | 107 | 69583 | 0.61 | 0.00079 | 0.39 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 333 | 117 | 62300 | 0.56 | 0.00086 | 0.50 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 353 | 127 | 50900 | 0.47 | 0.00082 | 0.61 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 372 | 142 | 36100 | 0.29 | 0.00073 | 0.94 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 450 | 151 | 31629 | 0.69 | 0.00072 | 0.47 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 550 | 186 | 25303 | 0.68 | 0.00088 | 0.71 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 650 | 217 | 19622 | 0.64 | 0.00093 | 0.94 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.88S0.12 | 750 | 243 | 15931 | 0.62 | 0.00094 | 1.13 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 303 | 98 | 103086 | 0.73 | 0.00098 | 0.41 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 333 | 107 | 93820 | 0.68 | 0.00107 | 0.52 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 353 | 116 | 77315 | 0.59 | 0.00104 | 0.63 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 372 | 126 | 59220 | 0.40 | 0.00094 | 0.88 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 450 | 138 | 46648 | 0.79 | 0.00089 | 0.51 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 550 | 170 | 35232 | 0.75 | 0.00102 | 0.75 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 650 | 201 | 27023 | 0.72 | 0.00109 | 0.98 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 750 | 231 | 21337 | 0.69 | 0.00114 | 1.23 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 850 | 257 | 17328 | 0.64 | 0.00115 | 1.51 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.92S0.08 | 1000 | 279 | 13496 | 0.55 | 0.00105 | 1.92 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 303 | 92 | 117606 | 0.79 | 0.00100 | 0.37 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 333 | 103 | 102454 | 0.73 | 0.00108 | 0.49 | https://doi.org/10.1021/acs.chemmater.7b01687 |

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|---|---|---|---|---|---|---|---|
| Cu2Se0.94S0.06 | 353 | 112 | 87895 | 0.65 | 0.00110 | 0.59 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 372 | 125 | 63740 | 0.47 | 0.00100 | 0.79 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 450 | 132 | 52188 | 0.86 | 0.00091 | 0.48 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 550 | 165 | 39019 | 0.81 | 0.00107 | 0.72 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 650 | 194 | 29298 | 0.77 | 0.00110 | 0.93 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 750 | 224 | 22629 | 0.74 | 0.00113 | 1.14 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 850 | 248 | 18352 | 0.70 | 0.00113 | 1.35 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.94S0.06 | 1000 | 276 | 14092 | 0.64 | 0.00107 | 1.68 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 303 | 89 | 121014 | 0.87 | 0.00095 | 0.33 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 333 | 97 | 112838 | 0.82 | 0.00106 | 0.43 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 353 | 104 | 91758 | 0.71 | 0.00100 | 0.49 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 372 | 118 | 66800 | 0.53 | 0.00093 | 0.65 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 450 | 121 | 57192 | 0.94 | 0.00084 | 0.40 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 550 | 153 | 43490 | 0.88 | 0.00102 | 0.64 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 650 | 183 | 32745 | 0.83 | 0.00109 | 0.85 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.96S0.04 | 750 | 211 | 25457 | 0.80 | 0.00113 | 1.06 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 303 | 86 | 124627 | 0.90 | 0.00092 | 0.31 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 333 | 94 | 114384 | 0.84 | 0.00102 | 0.40 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 353 | 103 | 98235 | 0.74 | 0.00103 | 0.49 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 372 | 113 | 72000 | 0.57 | 0.00092 | 0.60 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 450 | 120 | 62782 | 0.96 | 0.00091 | 0.42 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 550 | 150 | 47443 | 0.90 | 0.00107 | 0.65 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 650 | 179 | 35684 | 0.86 | 0.00114 | 0.87 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Cu2Se0.98S0.02 | 750 | 206 | 27926 | 0.82 | 0.00118 | 1.08 | https://doi.org/10.1021/acs.chemmater.7b01687 |
| Mg3.07Sb1.5Bi0.44Se0.06 | 300 | -296 | 6769 | 0.83 | 0.00059 | 0.22 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.44Se0.06 | 400 | -304 | 7481 | 0.79 | 0.00069 | 0.35 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.44Se0.06 | 500 | -313 | 9022 | 0.74 | 0.00088 | 0.60 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.44Se0.06 | 600 | -312 | 9923 | 0.70 | 0.00096 | 0.83 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.44Se0.06 | 700 | -314 | 10117 | 0.68 | 0.00100 | 1.03 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.45Se0.05 | 300 | -279 | 7900 | 0.87 | 0.00062 | 0.21 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.45Se0.05 | 400 | -294 | 8507 | 0.80 | 0.00073 | 0.37 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.45Se0.05 | 500 | -306 | 9987 | 0.74 | 0.00093 | 0.63 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.45Se0.05 | 600 | -305 | 10704 | 0.70 | 0.00099 | 0.85 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.45Se0.05 | 700 | -306 | 10690 | 0.67 | 0.00100 | 1.05 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.46Se0.04 | 300 | -282 | 7346 | 0.74 | 0.00058 | 0.24 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.46Se0.04 | 400 | -298 | 8149 | 0.71 | 0.00072 | 0.41 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.46Se0.04 | 500 | -306 | 9823 | 0.68 | 0.00092 | 0.68 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.46Se0.04 | 600 | -304 | 10749 | 0.66 | 0.00099 | 0.91 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.46Se0.04 | 700 | -305 | 10809 | 0.63 | 0.00100 | 1.12 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.47Se0.03 | 300 | -281 | 7561 | 0.78 | 0.00060 | 0.23 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.47Se0.03 | 400 | -293 | 8602 | 0.73 | 0.00074 | 0.40 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.47Se0.03 | 500 | -302 | 10459 | 0.71 | 0.00095 | 0.67 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.47Se0.03 | 600 | -300 | 11414 | 0.68 | 0.00103 | 0.90 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.47Se0.03 | 700 | -302 | 11448 | 0.66 | 0.00104 | 1.11 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.48Se0.02 | 300 | -276 | 11040 | 0.80 | 0.00084 | 0.32 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.48Se0.02 | 400 | -285 | 10734 | 0.75 | 0.00087 | 0.47 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.48Se0.02 | 500 | -298 | 11689 | 0.71 | 0.00104 | 0.74 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.48Se0.02 | 600 | -298 | 12053 | 0.67 | 0.00107 | 0.96 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Mg3.07Sb1.5Bi0.48Se0.02 | 700 | -302 | 11567 | 0.63 | 0.00106 | 1.17 | https://doi.org/10.1021/acs.chemmater.7b01746 |
| Cr1.99Fe0.01Ge2Te6 | 320 | 500 | 109 | 0.83 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Fe0.01Ge2Te6 | 416 | 468 | 305 | 0.78 | 0.00007 | 0.04 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Fe0.01Ge2Te6 | 515 | 415 | 797 | 0.72 | 0.00014 | 0.10 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Fe0.01Ge2Te6 | 614 | 366 | 1516 | 0.66 | 0.00020 | 0.19 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Fe0.01Ge2Te6 | 713 | 315 | 2488 | 0.62 | 0.00025 | 0.28 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Fe0.01Ge2Te6 | 812 | 264 | 3820 | 0.64 | 0.00027 | 0.34 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Mn0.01Ge2Te6 | 320 | 360 | 594 | 0.82 | 0.00008 | 0.03 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Mn0.01Ge2Te6 | 416 | 347 | 1609 | 0.76 | 0.00019 | 0.11 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Mn0.01Ge2Te6 | 515 | 332 | 2734 | 0.72 | 0.00030 | 0.22 | https://doi.org/10.1021/acs.chemmater.7b02346 |

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|---|---|---|---|---|---|---|---|
| Cr1.99Mn0.01Ge2Te6 | 614 | 315 | 3852 | 0.66 | 0.00038 | 0.36 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Mn0.01Ge2Te6 | 713 | 293 | 4711 | 0.63 | 0.00040 | 0.46 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr1.99Mn0.01Ge2Te6 | 812 | 268 | 5438 | 0.63 | 0.00039 | 0.50 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr2Ge2Te6 | 320 | 574 | 47 | 0.92 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr2Ge2Te6 | 416 | 514 | 219 | 0.83 | 0.00006 | 0.03 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr2Ge2Te6 | 515 | 456 | 609 | 0.75 | 0.00013 | 0.09 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr2Ge2Te6 | 614 | 402 | 1148 | 0.68 | 0.00019 | 0.17 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr2Ge2Te6 | 713 | 336 | 2063 | 0.63 | 0.00023 | 0.26 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Cr2Ge2Te6 | 812 | 265 | 3258 | 0.63 | 0.00023 | 0.29 | https://doi.org/10.1021/acs.chemmater.7b02346 |
| Ti0.925Mn0.075NiSn0.925Sb0.075 | 297 | -72 | 300000 | 7.13 | 0.00156 | 0.07 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.925Mn0.075NiSn0.925Sb0.075 | 398 | -85 | 283444 | 6.77 | 0.00206 | 0.12 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.925Mn0.075NiSn0.925Sb0.075 | 498 | -98 | 255629 | 6.45 | 0.00243 | 0.19 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.925Mn0.075NiSn0.925Sb0.075 | 598 | -106 | 235762 | 6.22 | 0.00266 | 0.26 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.925Mn0.075NiSn0.925Sb0.075 | 697 | -115 | 215894 | 5.97 | 0.00285 | 0.33 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.925Mn0.075NiSn0.925Sb0.075 | 797 | -120 | 200000 | 5.90 | 0.00288 | 0.39 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.925Mn0.075NiSn0.925Sb0.075 | 871 | -123 | 188100 | 5.89 | 0.00284 | 0.42 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.95Mn0.05NiSn0.95Sb0.05 | 297 | -93 | 255629 | 6.70 | 0.00222 | 0.10 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.95Mn0.05NiSn0.95Sb0.05 | 398 | -108 | 237748 | 6.33 | 0.00279 | 0.18 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.95Mn0.05NiSn0.95Sb0.05 | 498 | -127 | 216600 | 6.05 | 0.00347 | 0.29 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.95Mn0.05NiSn0.95Sb0.05 | 598 | -141 | 197351 | 5.86 | 0.00392 | 0.40 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.95Mn0.05NiSn0.95Sb0.05 | 697 | -154 | 179500 | 5.64 | 0.00427 | 0.53 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.95Mn0.05NiSn0.95Sb0.05 | 797 | -160 | 168874 | 5.60 | 0.00432 | 0.62 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.95Mn0.05NiSn0.95Sb0.05 | 871 | -156 | 162300 | 5.72 | 0.00392 | 0.60 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.97Mn0.03NiSn0.97Sb0.03 | 297 | -96 | 143709 | 5.94 | 0.00131 | 0.07 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.97Mn0.03NiSn0.97Sb0.03 | 398 | -112 | 142384 | 5.63 | 0.00179 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.97Mn0.03NiSn0.97Sb0.03 | 498 | -128 | 141722 | 5.46 | 0.00234 | 0.21 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.97Mn0.03NiSn0.97Sb0.03 | 598 | -141 | 139735 | 5.40 | 0.00277 | 0.31 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.97Mn0.03NiSn0.97Sb0.03 | 697 | -147 | 138500 | 5.40 | 0.00300 | 0.39 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.97Mn0.03NiSn0.97Sb0.03 | 797 | -146 | 137100 | 5.48 | 0.00293 | 0.43 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.97Mn0.03NiSn0.97Sb0.03 | 871 | -143 | 139800 | 5.54 | 0.00286 | 0.45 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.98Mn0.02NiSn0.98Sb0.02 | 297 | -108 | 162252 | 6.13 | 0.00188 | 0.09 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.98Mn0.02NiSn0.98Sb0.02 | 398 | -121 | 159603 | 5.80 | 0.00235 | 0.16 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.98Mn0.02NiSn0.98Sb0.02 | 498 | -143 | 158900 | 5.60 | 0.00326 | 0.29 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.98Mn0.02NiSn0.98Sb0.02 | 598 | -152 | 160927 | 5.58 | 0.00374 | 0.40 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.98Mn0.02NiSn0.98Sb0.02 | 697 | -154 | 152318 | 5.56 | 0.00360 | 0.45 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.98Mn0.02NiSn0.98Sb0.02 | 797 | -149 | 150331 | 5.64 | 0.00336 | 0.47 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.98Mn0.02NiSn0.98Sb0.02 | 871 | -144 | 149670 | 5.85 | 0.00312 | 0.47 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.99Mn0.01NiSn0.99Sb0.01 | 297 | -127 | 88742 | 6.23 | 0.00143 | 0.07 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.99Mn0.01NiSn0.99Sb0.01 | 398 | -143 | 94400 | 5.83 | 0.00193 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.99Mn0.01NiSn0.99Sb0.01 | 498 | -158 | 100000 | 5.52 | 0.00250 | 0.23 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.99Mn0.01NiSn0.99Sb0.01 | 598 | -167 | 105298 | 5.46 | 0.00295 | 0.32 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.99Mn0.01NiSn0.99Sb0.01 | 697 | -167 | 106650 | 5.39 | 0.00299 | 0.39 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.99Mn0.01NiSn0.99Sb0.01 | 797 | -165 | 112583 | 5.60 | 0.00306 | 0.44 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.99Mn0.01NiSn0.99Sb0.01 | 871 | -155 | 117881 | 5.89 | 0.00282 | 0.42 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.9Mn0.1NiSn0.9Sb0.1 | 297 | -75 | 347682 | 6.86 | 0.00195 | 0.08 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.9Mn0.1NiSn0.9Sb0.1 | 398 | -87 | 320530 | 6.40 | 0.00243 | 0.15 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.9Mn0.1NiSn0.9Sb0.1 | 498 | -101 | 292053 | 6.09 | 0.00298 | 0.24 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.9Mn0.1NiSn0.9Sb0.1 | 598 | -114 | 263600 | 5.86 | 0.00340 | 0.35 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.9Mn0.1NiSn0.9Sb0.1 | 697 | -126 | 240397 | 5.65 | 0.00381 | 0.47 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.9Mn0.1NiSn0.9Sb0.1 | 797 | -132 | 217881 | 5.55 | 0.00381 | 0.55 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| Ti0.9Mn0.1NiSn0.9Sb0.1 | 871 | -132 | 205960 | 5.55 | 0.00358 | 0.56 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| TiNiSn | 297 | -165 | 32450 | 4.70 | 0.00089 | 0.06 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| TiNiSn | 398 | -175 | 48344 | 4.69 | 0.00148 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| TiNiSn | 498 | -179 | 64238 | 4.80 | 0.00206 | 0.21 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| TiNiSn | 598 | -177 | 79470 | 5.09 | 0.00249 | 0.29 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| TiNiSn | 697 | -172 | 91391 | 5.26 | 0.00271 | 0.36 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| TiNiSn | 797 | -155 | 103311 | 5.68 | 0.00248 | 0.35 | https://doi.org/10.1021/acs.chemmater.7b02685 |
| TiNiSn | 871 | -139 | 120861 | 6.32 | 0.00234 | 0.32 | https://doi.org/10.1021/acs.chemmater.7b02685 |

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|---|---|---|---|---|---|---|---|
| BaBiTe2.95Se0.05 | 322 | -152 | 6210 | 0.44 | 0.00014 | 0.11 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.95Se0.05 | 373 | -166 | 7322 | 0.43 | 0.00020 | 0.17 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.95Se0.05 | 474 | -185 | 7830 | 0.41 | 0.00027 | 0.31 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.95Se0.05 | 525 | -192 | 8000 | 0.41 | 0.00029 | 0.37 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.95Se0.05 | 575 | -197 | 7510 | 0.41 | 0.00029 | 0.41 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.95Se0.05 | 597 | -197 | 7430 | 0.41 | 0.00029 | 0.42 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.9Se0.1 | 322 | -155 | 4240 | 0.41 | 0.00010 | 0.08 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.9Se0.1 | 373 | -171 | 4499 | 0.41 | 0.00013 | 0.12 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.9Se0.1 | 474 | -191 | 4245 | 0.40 | 0.00015 | 0.19 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.9Se0.1 | 525 | -199 | 4050 | 0.39 | 0.00016 | 0.22 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.9Se0.1 | 575 | -204 | 3890 | 0.39 | 0.00016 | 0.24 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe2.9Se0.1 | 597 | -204 | 3840 | 0.40 | 0.00016 | 0.24 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe3 | 323 | -140 | 9749 | 0.46 | 0.00019 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe3 | 372 | -152 | 10350 | 0.45 | 0.00024 | 0.20 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe3 | 474 | -170 | 9563 | 0.43 | 0.00028 | 0.30 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe3 | 524 | -179 | 9067 | 0.43 | 0.00029 | 0.36 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe3 | 574 | -183 | 8685 | 0.43 | 0.00029 | 0.39 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| BaBiTe3 | 598 | -184 | 8515 | 0.43 | 0.00029 | 0.40 | https://doi.org/10.1021/acs.chemmater.7b04123 |
| CoAsSb | 350 | -118 | 17720 | 2.82 | 0.00025 | 0.03 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| CoAsSb | 400 | -129 | 22690 | 2.82 | 0.00038 | 0.05 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| CoAsSb | 450 | -132 | 28361 | 2.89 | 0.00050 | 0.08 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| CoAsSb | 500 | -131 | 34704 | 3.03 | 0.00059 | 0.10 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| CoAsSb | 600 | -119 | 49815 | 3.47 | 0.00071 | 0.12 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| CoAsSb | 700 | -104 | 68520 | 4.00 | 0.00074 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| CoAsSb | 800 | -91 | 89700 | 4.60 | 0.00075 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| CoAsSb | 900 | -82 | 112033 | 5.32 | 0.00075 | 0.13 | https://doi.org/10.1021/acs.chemmater.7b05170 |
| YbCd1.1Zn0.9Sb2 | 350 | 86 | 135370 | 1.71 | 0.00101 | 0.19 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.1Zn0.9Sb2 | 450 | 102 | 108700 | 1.52 | 0.00114 | 0.31 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.1Zn0.9Sb2 | 550 | 125 | 86111 | 1.40 | 0.00135 | 0.50 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.1Zn0.9Sb2 | 650 | 135 | 79800 | 1.33 | 0.00144 | 0.67 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.2Zn0.8Sb2 | 350 | 89 | 125000 | 1.67 | 0.00100 | 0.22 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.2Zn0.8Sb2 | 450 | 110 | 99700 | 1.46 | 0.00121 | 0.38 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.2Zn0.8Sb2 | 550 | 135 | 80311 | 1.35 | 0.00146 | 0.62 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.2Zn0.8Sb2 | 650 | 141 | 72900 | 1.25 | 0.00145 | 0.77 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.3Zn0.7Sb2 | 350 | 110 | 98726 | 1.56 | 0.00119 | 0.27 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.3Zn0.7Sb2 | 450 | 136 | 79253 | 1.40 | 0.00147 | 0.47 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.3Zn0.7Sb2 | 550 | 160 | 64200 | 1.24 | 0.00165 | 0.73 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.3Zn0.7Sb2 | 650 | 165 | 61650 | 1.17 | 0.00168 | 0.93 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.4Zn0.6Sb2 | 350 | 125 | 75926 | 1.67 | 0.00119 | 0.25 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.4Zn0.6Sb2 | 450 | 157 | 63012 | 1.46 | 0.00156 | 0.50 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.4Zn0.6Sb2 | 550 | 179 | 52926 | 1.31 | 0.00169 | 0.73 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.4Zn0.6Sb2 | 650 | 178 | 50000 | 1.24 | 0.00159 | 0.86 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.5Zn0.5Sb2 | 350 | 121 | 91450 | 1.61 | 0.00134 | 0.33 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.5Zn0.5Sb2 | 450 | 149 | 73113 | 1.42 | 0.00162 | 0.57 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.5Zn0.5Sb2 | 550 | 171 | 60900 | 1.25 | 0.00178 | 0.87 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.5Zn0.5Sb2 | 650 | 175 | 57600 | 1.14 | 0.00177 | 1.13 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.6Zn0.4Sb2 | 350 | 122 | 84470 | 1.68 | 0.00126 | 0.29 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.6Zn0.4Sb2 | 450 | 155 | 67582 | 1.48 | 0.00162 | 0.54 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.6Zn0.4Sb2 | 550 | 176 | 57600 | 1.31 | 0.00177 | 0.80 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.6Zn0.4Sb2 | 650 | 177 | 54233 | 1.20 | 0.00171 | 1.00 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.7Zn0.3Sb2 | 350 | 129 | 71800 | 1.76 | 0.00119 | 0.25 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.7Zn0.3Sb2 | 450 | 160 | 60200 | 1.54 | 0.00154 | 0.46 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.7Zn0.3Sb2 | 550 | 180 | 50995 | 1.38 | 0.00166 | 0.69 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.7Zn0.3Sb2 | 650 | 179 | 49043 | 1.29 | 0.00157 | 0.83 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.8Zn0.2Sb2 | 350 | 134 | 64873 | 1.84 | 0.00116 | 0.22 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.8Zn0.2Sb3 | 450 | 165 | 54813 | 1.58 | 0.00149 | 0.43 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.8Zn0.2Sb4 | 550 | 182 | 45691 | 1.37 | 0.00152 | 0.61 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.8Zn0.2Sb5 | 650 | 182 | 43067 | 1.28 | 0.00142 | 0.72 | https://doi.org/10.1021/acs.chemmater.8b02155 |

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|---|---|---|---|---|---|---|---|
| YbCd1.9Zn0.1Sb2 | 350 | 137 | 61377 | 1.96 | 0.00116 | 0.21 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.9Zn0.1Sb2 | 450 | 167 | 51250 | 1.65 | 0.00142 | 0.39 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.9Zn0.1Sb2 | 550 | 185 | 43866 | 1.44 | 0.00150 | 0.58 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd1.9Zn0.1Sb2 | 650 | 182 | 41600 | 1.31 | 0.00138 | 0.68 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd2Sb2 | 350 | 101 | 111511 | 1.62 | 0.00113 | 0.24 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd2Sb2 | 450 | 126 | 89080 | 1.45 | 0.00140 | 0.44 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd2Sb2 | 550 | 149 | 72770 | 1.30 | 0.00161 | 0.68 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| YbCd2Sb2 | 650 | 155 | 66800 | 1.23 | 0.00160 | 0.84 | https://doi.org/10.1021/acs.chemmater.8b02155 |
| Ge12Sb2Te15 | 373 | 176 | 35960 | 1.49 | 0.00111 | 0.28 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge12Sb2Te15 | 473 | 216 | 30337 | 1.50 | 0.00141 | 0.45 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge12Sb2Te15 | 523 | 233 | 30300 | 1.49 | 0.00165 | 0.58 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge12Sb2Te15 | 573 | 236 | 42150 | 1.50 | 0.00235 | 0.90 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge12Sb2Te15 | 623 | 238 | 51700 | 1.53 | 0.00293 | 1.20 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge12Sb2Te15 | 723 | 257 | 42700 | 1.48 | 0.00282 | 1.38 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge4Sb2Te7 | 373 | 51 | 200000 | 2.09 | 0.00053 | 0.09 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge4Sb2Te7 | 473 | 72 | 138764 | 1.94 | 0.00072 | 0.17 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge4Sb2Te7 | 523 | 83 | 117780 | 1.89 | 0.00082 | 0.23 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge4Sb2Te7 | 573 | 95 | 101110 | 1.82 | 0.00091 | 0.29 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge4Sb2Te7 | 623 | 107 | 88335 | 1.79 | 0.00101 | 0.36 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge4Sb2Te7 | 673 | 121 | 78090 | 1.76 | 0.00114 | 0.44 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Ge4Sb2Te7 | 723 | 132 | 72480 | 1.77 | 0.00126 | 0.52 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge11Sb2Te15 | 373 | 100 | 179400 | 1.85 | 0.00179 | 0.36 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge11Sb2Te15 | 473 | 144 | 140000 | 1.90 | 0.00290 | 0.72 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge11Sb2Te15 | 523 | 157 | 128400 | 1.88 | 0.00318 | 0.89 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge11Sb2Te15 | 573 | 170 | 115000 | 1.85 | 0.00332 | 1.04 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge11Sb2Te15 | 623 | 181 | 103889 | 1.74 | 0.00339 | 1.22 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge11Sb2Te15 | 723 | 198 | 86517 | 1.70 | 0.00339 | 1.45 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge3Sb2Te7 | 373 | 270 | 16670 | 0.80 | 0.00122 | 0.56 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge3Sb2Te7 | 473 | 240 | 27230 | 0.78 | 0.00157 | 0.95 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge3Sb2Te7 | 523 | 247 | 26650 | 0.78 | 0.00162 | 1.07 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge3Sb2Te7 | 573 | 247 | 26944 | 0.78 | 0.00165 | 1.21 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge3Sb2Te7 | 623 | 249 | 26940 | 0.78 | 0.00166 | 1.33 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge3Sb2Te7 | 673 | 251 | 26111 | 0.79 | 0.00165 | 1.40 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Li2Ge3Sb2Te7 | 723 | 253 | 25556 | 0.81 | 0.00164 | 1.47 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe11.5Sb2Te15 | 373 | 205 | 41580 | 1.35 | 0.00175 | 0.48 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe11.5Sb2Te15 | 473 | 243 | 39890 | 1.33 | 0.00235 | 0.84 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe11.5Sb2Te15 | 523 | 243 | 46630 | 1.38 | 0.00275 | 1.06 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe11.5Sb2Te15 | 573 | 250 | 46070 | 1.37 | 0.00287 | 1.20 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe11.5Sb2Te15 | 623 | 257 | 41600 | 1.34 | 0.00274 | 1.30 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe11.5Sb2Te15 | 723 | 266 | 37640 | 1.34 | 0.00266 | 1.45 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe3.5Sb2Te7 | 373 | 202 | 28890 | 0.93 | 0.00118 | 0.47 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe3.5Sb2Te7 | 473 | 233 | 29000 | 0.94 | 0.00157 | 0.75 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe3.5Sb2Te7 | 523 | 241 | 34400 | 0.95 | 0.00200 | 1.04 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe3.5Sb2Te7 | 573 | 252 | 35550 | 0.95 | 0.00226 | 1.28 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe3.5Sb2Te7 | 623 | 261 | 33300 | 0.92 | 0.00226 | 1.36 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe3.5Sb2Te7 | 673 | 270 | 32200 | 0.89 | 0.00235 | 1.65 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| LiGe3.5Sb2Te7 | 723 | 275 | 31111 | 0.90 | 0.00236 | 1.90 | https://doi.org/10.1021/acs.chemmater.8b03609 |
| Nd2.78Te4 | 373 | -58 | 94460 | 1.39 | 0.00032 | 0.09 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.78Te4 | 573 | -106 | 61350 | 1.23 | 0.00070 | 0.31 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.78Te4 | 773 | -147 | 40750 | 1.13 | 0.00089 | 0.60 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.78Te4 | 973 | -190 | 28900 | 0.95 | 0.00098 | 1.02 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.78Te4 | 1073 | -205 | 23930 | 0.88 | 0.00099 | 1.20 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.78Te4 | 1173 | -214 | 20823 | 0.88 | 0.00097 | 1.26 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.84Te4 | 373 | -42 | 128600 | 1.93 | 0.00023 | 0.04 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.84Te4 | 573 | -74 | 92600 | 1.84 | 0.00051 | 0.16 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.84Te4 | 773 | -106 | 65060 | 1.72 | 0.00073 | 0.33 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.84Te4 | 973 | -135 | 47400 | 1.49 | 0.00087 | 0.56 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.84Te4 | 1073 | -149 | 41162 | 1.40 | 0.00092 | 0.70 | https://doi.org/10.1021/acs.chemmater.9b00964 |

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|---|---|---|---|---|---|---|---|
| Nd2.84Te4 | 1173 | -163 | 35950 | 1.42 | 0.00095 | 0.79 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.86Te4 | 373 | -42 | 151400 | 2.07 | 0.00026 | 0.05 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.86Te4 | 573 | -69 | 114085 | 2.00 | 0.00052 | 0.15 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.86Te4 | 773 | -97 | 86170 | 1.90 | 0.00076 | 0.31 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.86Te4 | 973 | -122 | 68000 | 1.68 | 0.00099 | 0.58 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.86Te4 | 1073 | -134 | 61300 | 1.59 | 0.00110 | 0.75 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.86Te4 | 1173 | -145 | 54180 | 1.60 | 0.00114 | 0.85 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.92Te4 | 373 | -31 | 213158 | 2.70 | 0.00021 | 0.03 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.92Te4 | 573 | -49 | 163640 | 2.74 | 0.00040 | 0.08 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.92Te4 | 773 | -68 | 129600 | 2.77 | 0.00060 | 0.17 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.92Te4 | 973 | -87 | 104516 | 2.50 | 0.00079 | 0.31 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.92Te4 | 1073 | -97 | 93143 | 2.41 | 0.00087 | 0.39 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.92Te4 | 1173 | -105 | 81910 | 2.40 | 0.00090 | 0.44 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.9Te4 | 373 | -36 | 180000 | 2.45 | 0.00023 | 0.03 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.9Te4 | 573 | -57 | 138400 | 2.47 | 0.00041 | 0.09 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.9Te4 | 773 | -77 | 108000 | 2.43 | 0.00059 | 0.19 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.9Te4 | 973 | -99 | 87097 | 2.18 | 0.00079 | 0.35 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.9Te4 | 1073 | -109 | 77500 | 2.09 | 0.00087 | 0.45 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd2.9Te4 | 1173 | -118 | 69230 | 2.06 | 0.00091 | 0.52 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd3Te4 | 373 | -29 | 324000 | 3.19 | 0.00027 | 0.03 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd3Te4 | 573 | -43 | 245500 | 3.28 | 0.00045 | 0.08 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd3Te4 | 773 | -57 | 190000 | 3.37 | 0.00062 | 0.14 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd3Te4 | 973 | -71 | 157282 | 3.11 | 0.00079 | 0.25 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd3Te4 | 1073 | -78 | 144600 | 3.02 | 0.00088 | 0.31 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Nd3Te4 | 1173 | -85 | 132787 | 3.12 | 0.00096 | 0.36 | https://doi.org/10.1021/acs.chemmater.9b00964 |
| Ca1.14Yb3.86Al1.68In0.32Sb6 | 330 | 157 | 9024 | 1.13 | 0.00022 | 0.06 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.14Yb3.86Al1.68In0.32Sb6 | 428 | 175 | 7006 | 0.94 | 0.00021 | 0.10 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.14Yb3.86Al1.68In0.32Sb6 | 528 | 187 | 5610 | 0.91 | 0.00020 | 0.11 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.14Yb3.86Al1.68In0.32Sb6 | 579 | 186 | 5305 | 0.92 | 0.00018 | 0.12 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.14Yb3.86Al1.68In0.32Sb6 | 627 | 175 | 5427 | 0.93 | 0.00017 | 0.11 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.14Yb3.86Al1.68In0.32Sb6 | 725 | 143 | 6402 | 1.03 | 0.00013 | 0.09 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.18Yb3.82Al1.84In0.16Sb6 | 327 | 24 | 39212 | 3.13 | 0.00002 | 0.00 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.18Yb3.82Al1.84In0.16Sb6 | 423 | 29 | 32909 | 2.93 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.18Yb3.82Al1.84In0.16Sb6 | 520 | 36 | 28545 | 2.70 | 0.00004 | 0.01 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.18Yb3.82Al1.84In0.16Sb6 | 569 | 40 | 28970 | 2.61 | 0.00005 | 0.01 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.18Yb3.82Al1.84In0.16Sb6 | 619 | 42 | 32600 | 2.49 | 0.00006 | 0.01 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.18Yb3.82Al1.84In0.16Sb6 | 718 | 48 | 27697 | 2.34 | 0.00006 | 0.02 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.55Yb3.45Al2Sb6 | 327 | 139 | 180 | 1.03 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.55Yb3.45Al2Sb6 | 420 | 177 | 419 | 0.91 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.55Yb3.45Al2Sb6 | 515 | 178 | 900 | 0.87 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.55Yb3.45Al2Sb6 | 563 | 175 | 1317 | 0.87 | 0.00004 | 0.03 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.55Yb3.45Al2Sb6 | 610 | 169 | 1796 | 0.88 | 0.00005 | 0.04 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.55Yb3.45Al2Sb6 | 702 | 159 | 2994 | 0.93 | 0.00008 | 0.06 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.58Yb3.42Al2Sb6 | 327 | 21 | 30357 | 4.00 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.58Yb3.42Al2Sb6 | 420 | 29 | 23333 | 3.83 | 0.00002 | 0.00 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.58Yb3.42Al2Sb6 | 515 | 38 | 21726 | 3.60 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.58Yb3.42Al2Sb6 | 563 | 43 | 21845 | 3.50 | 0.00004 | 0.01 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.58Yb3.42Al2Sb6 | 610 | 47 | 21964 | 3.44 | 0.00005 | 0.01 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Ca1.58Yb3.42Al2Sb6 | 702 | 54 | 21250 | 3.25 | 0.00006 | 0.01 | https://doi.org/10.1021/acs.inorgchem.0c01944 |
| Cu2ZnSn0.925Ag0.075Se4 | 323 | 45 | 79487 | 3.94 | 0.00016 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.925Ag0.075Se4 | 373 | 53 | 71429 | 3.31 | 0.00020 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.925Ag0.075Se4 | 473 | 68 | 67686 | 2.90 | 0.00031 | 0.05 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.925Ag0.075Se4 | 573 | 88 | 56985 | 2.33 | 0.00044 | 0.11 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.925Ag0.075Se4 | 673 | 106 | 43417 | 1.87 | 0.00049 | 0.18 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.95Ag0.05Se4 | 323 | 34 | 258333 | 4.21 | 0.00031 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.95Ag0.05Se4 | 373 | 39 | 238462 | 3.53 | 0.00036 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.95Ag0.05Se4 | 473 | 51 | 198718 | 3.12 | 0.00051 | 0.08 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.95Ag0.05Se4 | 573 | 66 | 164800 | 2.56 | 0.00072 | 0.16 | https://doi.org/10.1021/acs.inorgchem.1c00079 |

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|---|---|---|---|---|---|---|---|
| Cu2ZnSn0.95Ag0.05Se4 | 673 | 77 | 133700 | 2.13 | 0.00079 | 0.26 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.98Ag0.02Se4 | 323 | 68 | 34910 | 4.36 | 0.00016 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.98Ag0.02Se4 | 373 | 78 | 38847 | 3.84 | 0.00024 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.98Ag0.02Se4 | 473 | 96 | 50654 | 3.64 | 0.00046 | 0.06 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.98Ag0.02Se4 | 573 | 114 | 44034 | 3.18 | 0.00057 | 0.10 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSn0.98Ag0.02Se4 | 673 | 134 | 36730 | 2.91 | 0.00066 | 0.13 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSnSe4 | 323 | 106 | 21008 | 4.57 | 0.00024 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSnSe4 | 373 | 117 | 19531 | 3.99 | 0.00027 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSnSe4 | 473 | 145 | 16500 | 3.76 | 0.00035 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSnSe4 | 573 | 165 | 15060 | 3.30 | 0.00041 | 0.07 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| Cu2ZnSnSe4 | 673 | 192 | 12300 | 3.02 | 0.00045 | 0.10 | https://doi.org/10.1021/acs.inorgchem.1c00079 |
| (Cu3SnS4)0.85(Ga2Te3)0.15 | 331 | 79 | 58519 | 1.78 | 0.00036 | 0.07 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.85(Ga2Te3)0.15 | 429 | 102 | 50000 | 1.63 | 0.00052 | 0.14 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.85(Ga2Te3)0.15 | 527 | 123 | 41941 | 1.43 | 0.00064 | 0.23 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.85(Ga2Te3)0.15 | 624 | 150 | 31853 | 1.24 | 0.00071 | 0.36 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.85(Ga2Te3)0.15 | 674 | 161 | 28782 | 1.20 | 0.00074 | 0.42 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.85(Ga2Te3)0.15 | 741 | 183 | 19467 | 1.04 | 0.00065 | 0.47 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.85(Ga2Te3)0.15 | 800 | 225 | 9856 | 0.72 | 0.00050 | 0.56 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.875(Ga2Te3)0.125 | 331 | 75 | 93015 | 2.41 | 0.00052 | 0.07 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.875(Ga2Te3)0.125 | 429 | 96 | 80475 | 2.19 | 0.00074 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.875(Ga2Te3)0.125 | 527 | 117 | 68624 | 1.93 | 0.00093 | 0.26 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.875(Ga2Te3)0.125 | 624 | 140 | 52117 | 1.68 | 0.00103 | 0.38 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.875(Ga2Te3)0.125 | 674 | 146 | 48829 | 1.53 | 0.00105 | 0.46 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.875(Ga2Te3)0.125 | 741 | 170 | 34493 | 1.38 | 0.00100 | 0.53 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 331 | 52 | 178473 | 2.95 | 0.00048 | 0.05 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 405 | 63 | 161268 | 2.89 | 0.00063 | 0.09 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 479 | 75 | 141561 | 2.64 | 0.00080 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 554 | 89 | 122476 | 2.36 | 0.00097 | 0.23 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 627 | 102 | 104440 | 2.27 | 0.00109 | 0.30 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 700 | 116 | 86518 | 2.18 | 0.00117 | 0.38 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 746 | 138 | 63800 | 1.48 | 0.00122 | 0.62 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.895(Ga2Te3)0.105 | 798 | 181 | 29628 | 0.83 | 0.00097 | 0.93 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 331 | 47 | 186400 | 3.84 | 0.00042 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 405 | 58 | 168430 | 3.74 | 0.00057 | 0.06 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 479 | 72 | 150000 | 3.43 | 0.00077 | 0.11 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 554 | 85 | 131670 | 3.18 | 0.00095 | 0.17 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 627 | 97 | 113920 | 3.15 | 0.00107 | 0.21 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 700 | 112 | 94370 | 2.77 | 0.00118 | 0.30 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 741 | 120 | 84000 | 1.98 | 0.00121 | 0.45 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| (Cu3SnS4)0.915(Ga2Te3)0.085 | 798 | 183 | 27960 | 0.93 | 0.00094 | 0.80 | https://doi.org/10.1021/acs.inorgchem.1c01028 |
| Cu26V2Ge3Sb3S32 | 309 | 116 | 57368 | 1.69 | 0.00077 | 0.14 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge3Sb3S32 | 400 | 139 | 48018 | 1.40 | 0.00093 | 0.26 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge3Sb3S32 | 497 | 162 | 37544 | 1.20 | 0.00099 | 0.41 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge3Sb3S32 | 594 | 186 | 29781 | 1.05 | 0.00103 | 0.58 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge3Sb3S32 | 674 | 206 | 24605 | 0.96 | 0.00104 | 0.74 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge4Sb2S32 | 309 | 67 | 175410 | 2.57 | 0.00078 | 0.09 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge4Sb2S32 | 400 | 84 | 140800 | 2.26 | 0.00099 | 0.18 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge4Sb2S32 | 497 | 104 | 111500 | 2.04 | 0.00121 | 0.29 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge4Sb2S32 | 594 | 123 | 86508 | 1.82 | 0.00131 | 0.43 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge4Sb2S32 | 674 | 141 | 70500 | 1.67 | 0.00140 | 0.57 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge5SbS32 | 309 | 40 | 334375 | 3.65 | 0.00053 | 0.05 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge5SbS32 | 400 | 55 | 260976 | 3.12 | 0.00078 | 0.10 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge5SbS32 | 497 | 71 | 201887 | 2.78 | 0.00102 | 0.18 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge5SbS32 | 594 | 89 | 155100 | 2.48 | 0.00123 | 0.29 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge5SbS32 | 674 | 105 | 125900 | 2.30 | 0.00138 | 0.40 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge6S32 | 309 | 19 | 545000 | 5.31 | 0.00019 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge6S32 | 400 | 33 | 389286 | 4.43 | 0.00041 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge6S32 | 497 | 49 | 302778 | 3.87 | 0.00073 | 0.09 | https://doi.org/10.1021/acs.inorgchem.1c01321 |

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|---|---|---|---|---|---|---|---|
| Cu26V2Ge6S32 | 594 | 66 | 232000 | 3.34 | 0.00100 | 0.18 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Cu26V2Ge6S32 | 674 | 79 | 191500 | 3.01 | 0.00120 | 0.27 | https://doi.org/10.1021/acs.inorgchem.1c01321 |
| Co0.95Ni0.05GeTe | 327 | -44 | 171693 | 6.25 | 0.00034 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.95Ni0.05GeTe | 394 | -55 | 158995 | 5.65 | 0.00048 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.95Ni0.05GeTe | 478 | -66 | 144444 | 5.25 | 0.00064 | 0.06 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.95Ni0.05GeTe | 551 | -76 | 133862 | 4.97 | 0.00077 | 0.09 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.95Ni0.05GeTe | 626 | -88 | 125397 | 4.91 | 0.00097 | 0.12 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.95Ni0.05GeTe | 701 | -94 | 120899 | 4.89 | 0.00107 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.95Ni0.05GeTe | 776 | -96 | 120370 | 5.04 | 0.00112 | 0.17 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.95Ni0.05GeTe | 825 | -96 | 121693 | 5.23 | 0.00113 | 0.18 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 327 | -81 | 90957 | 6.33 | 0.00060 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 394 | -95 | 84574 | 5.84 | 0.00076 | 0.05 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 478 | -109 | 76064 | 4.95 | 0.00091 | 0.09 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 551 | -117 | 72074 | 4.49 | 0.00099 | 0.12 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 626 | -118 | 71542 | 4.31 | 0.00100 | 0.14 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 701 | -112 | 74468 | 4.30 | 0.00094 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 776 | -104 | 80585 | 4.47 | 0.00088 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.97Ni0.03GeTe | 825 | -98 | 86436 | 4.68 | 0.00083 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 327 | -115 | 57181 | 6.95 | 0.00076 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 394 | -131 | 52128 | 6.11 | 0.00090 | 0.06 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 478 | -142 | 48138 | 5.11 | 0.00098 | 0.09 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 551 | -140 | 48404 | 4.76 | 0.00094 | 0.11 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 626 | -125 | 52926 | 4.60 | 0.00083 | 0.11 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 701 | -108 | 61170 | 4.66 | 0.00071 | 0.11 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 776 | -94 | 72340 | 4.84 | 0.00064 | 0.10 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Co0.99Ni0.01GeTe | 825 | -87 | 80319 | 5.05 | 0.00061 | 0.10 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 327 | -176 | 5850 | 8.30 | 0.00018 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 394 | -185 | 5320 | 7.34 | 0.00018 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 478 | -171 | 6120 | 6.45 | 0.00018 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 551 | -140 | 7181 | 5.97 | 0.00014 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 626 | -111 | 9043 | 5.83 | 0.00011 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 701 | -92 | 11702 | 5.89 | 0.00010 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 776 | -79 | 14894 | 6.04 | 0.00009 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| CoGeTe | 825 | -74 | 18600 | 6.19 | 0.00010 | 0.01 | https://doi.org/10.1021/acs.inorgchem.1c01538 |
| Ag2.0Se0.5Te0.5 | 300 | -91 | 61743 | 0.61 | 0.00051 | 0.25 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.5Te0.5 | 315 | -93 | 63400 | 0.63 | 0.00055 | 0.27 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.5Te0.5 | 330 | -95 | 64495 | 0.65 | 0.00058 | 0.30 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.5Te0.5 | 345 | -98 | 65000 | 0.66 | 0.00062 | 0.33 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.5Te0.5 | 360 | -101 | 64587 | 0.67 | 0.00066 | 0.36 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.5Te0.5 | 375 | -104 | 64000 | 0.67 | 0.00069 | 0.39 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.5Te0.5 | 390 | -108 | 61927 | 0.67 | 0.00072 | 0.42 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.6Te0.4 | 300 | -107 | 75500 | 0.67 | 0.00086 | 0.39 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.6Te0.4 | 315 | -108 | 77156 | 0.69 | 0.00090 | 0.41 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.6Te0.4 | 330 | -109 | 78350 | 0.71 | 0.00093 | 0.44 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.6Te0.4 | 345 | -111 | 78990 | 0.72 | 0.00097 | 0.47 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.6Te0.4 | 360 | -113 | 79266 | 0.74 | 0.00101 | 0.49 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.6Te0.4 | 375 | -115 | 78990 | 0.75 | 0.00104 | 0.52 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.6Te0.4 | 390 | -118 | 78350 | 0.77 | 0.00108 | 0.55 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.8Te0.2 | 300 | -127 | 90640 | 0.75 | 0.00145 | 0.58 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.8Te0.2 | 315 | -127 | 93850 | 0.77 | 0.00150 | 0.62 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.8Te0.2 | 330 | -127 | 96800 | 0.78 | 0.00155 | 0.65 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.8Te0.2 | 345 | -127 | 99080 | 0.80 | 0.00159 | 0.69 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.8Te0.2 | 360 | -127 | 100825 | 0.82 | 0.00163 | 0.72 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.8Te0.2 | 375 | -128 | 101835 | 0.84 | 0.00166 | 0.74 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.8Te0.2 | 390 | -128 | 102110 | 0.86 | 0.00167 | 0.76 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.9Te0.1 | 300 | -138 | 90000 | 0.79 | 0.00171 | 0.65 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.9Te0.1 | 315 | -137 | 94128 | 0.82 | 0.00176 | 0.68 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.9Te0.1 | 330 | -136 | 97980 | 0.85 | 0.00180 | 0.70 | https://doi.org/10.1021/acs.inorgchem.1c01563 |

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|---|---|---|---|---|---|---|---|
| Ag2.0Se0.9Te0.1 | 345 | -135 | 101743 | 0.87 | 0.00184 | 0.73 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.9Te0.1 | 360 | -134 | 105413 | 0.90 | 0.00189 | 0.76 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.9Te0.1 | 375 | -133 | 108624 | 0.92 | 0.00192 | 0.78 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Ag2.0Se0.9Te0.1 | 390 | -132 | 111376 | 0.94 | 0.00194 | 0.80 | https://doi.org/10.1021/acs.inorgchem.1c01563 |
| Cu2Se0.5S0.5 | 333 | 46 | 131429 | 1.19 | 0.00028 | 0.08 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.5S0.5 | 426 | 53 | 148286 | 1.62 | 0.00042 | 0.11 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.5S0.5 | 520 | 68 | 117429 | 1.39 | 0.00054 | 0.19 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.5S0.5 | 613 | 98 | 79143 | 1.01 | 0.00075 | 0.46 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.5S0.5 | 707 | 119 | 58000 | 0.84 | 0.00083 | 0.70 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.5S0.5 | 769 | 131 | 53429 | 0.77 | 0.00092 | 0.91 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.7S0.3 | 333 | 53 | 126000 | 0.87 | 0.00036 | 0.14 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.7S0.3 | 426 | 51 | 140857 | 1.39 | 0.00037 | 0.11 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.7S0.3 | 520 | 70 | 107429 | 1.29 | 0.00052 | 0.21 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.7S0.3 | 613 | 102 | 69143 | 0.94 | 0.00072 | 0.47 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.7S0.3 | 707 | 132 | 48571 | 0.78 | 0.00084 | 0.76 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.7S0.3 | 769 | 146 | 42000 | 0.74 | 0.00089 | 0.92 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.9S0.1 | 333 | 46 | 63429 | 0.43 | 0.00013 | 0.10 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.9S0.1 | 426 | 58 | 66000 | 0.63 | 0.00022 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.9S0.1 | 520 | 86 | 65143 | 0.70 | 0.00048 | 0.36 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.9S0.1 | 613 | 144 | 42170 | 0.55 | 0.00087 | 0.97 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.9S0.1 | 707 | 187 | 22925 | 0.46 | 0.00080 | 1.24 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2Se0.9S0.1 | 769 | 203 | 19811 | 0.44 | 0.00082 | 1.44 | https://doi.org/10.1021/acs.inorgchem.1c01631 |
| Cu2.075Sn0.925S3 | 300 | 35 | 356436 | 4.33 | 0.00044 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu2.075Sn0.925S3 | 400 | 47 | 281250 | 3.77 | 0.00062 | 0.07 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu2.075Sn0.925S3 | 500 | 61 | 225000 | 3.27 | 0.00084 | 0.13 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu2.075Sn0.925S3 | 600 | 75 | 179104 | 2.86 | 0.00101 | 0.21 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu2.075Sn0.925S3 | 700 | 86 | 140625 | 2.51 | 0.00104 | 0.29 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn10S32 | 300 | 45 | 246575 | 3.51 | 0.00049 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn10S32 | 400 | 57 | 195652 | 3.03 | 0.00064 | 0.08 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn10S32 | 500 | 72 | 157205 | 2.64 | 0.00081 | 0.15 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn10S32 | 600 | 87 | 127208 | 2.34 | 0.00095 | 0.24 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn10S32 | 700 | 97 | 100840 | 2.04 | 0.00095 | 0.33 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9.25Sb0.75S32 | 300 | 63 | 171429 | 2.86 | 0.00068 | 0.07 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9.25Sb0.75S32 | 400 | 79 | 138462 | 2.45 | 0.00086 | 0.14 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9.25Sb0.75S32 | 500 | 96 | 111801 | 2.15 | 0.00104 | 0.24 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9.25Sb0.75S32 | 600 | 113 | 91139 | 1.89 | 0.00116 | 0.37 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9.25Sb0.75S32 | 700 | 128 | 73171 | 1.66 | 0.00119 | 0.50 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9SbS32 | 300 | 72 | 103152 | 2.80 | 0.00054 | 0.06 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9SbS32 | 400 | 91 | 87805 | 2.29 | 0.00072 | 0.13 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9SbS32 | 500 | 110 | 73711 | 1.93 | 0.00088 | 0.23 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9SbS32 | 600 | 126 | 62830 | 1.68 | 0.00100 | 0.36 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Cu22Sn9SbS32 | 700 | 148 | 52326 | 1.47 | 0.00114 | 0.54 | https://doi.org/10.1021/acs.inorgchem.1c02105 |
| Ba1.4Bi0.6CoRuO6 | 318 | 301 | 7310 | 1.20 | 0.00066 | 0.18 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.4Bi0.6CoRuO6 | 418 | 143 | 21940 | 1.17 | 0.00045 | 0.16 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.4Bi0.6CoRuO6 | 518 | 93 | 50000 | 1.14 | 0.00043 | 0.20 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.4Bi0.6CoRuO6 | 618 | 67 | 93800 | 1.09 | 0.00041 | 0.23 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.6Bi0.4CoRuO6 | 318 | 157 | 12500 | 1.32 | 0.00031 | 0.07 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.6Bi0.4CoRuO6 | 418 | 74 | 37870 | 1.28 | 0.00021 | 0.07 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.6Bi0.4CoRuO6 | 518 | 48 | 84920 | 1.25 | 0.00020 | 0.08 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.6Bi0.4CoRuO6 | 618 | 34 | 165635 | 1.20 | 0.00019 | 0.10 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.7Bi0.3CoRuO6 | 518 | 29 | 123000 | 1.30 | 0.00011 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.8Bi0.2CoRuO6 | 318 | 79 | 21850 | 1.42 | 0.00014 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.8Bi0.2CoRuO6 | 418 | 37 | 66050 | 1.36 | 0.00009 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.8Bi0.2CoRuO6 | 518 | 24 | 137180 | 1.32 | 0.00009 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.8Bi0.2CoRuO6 | 318 | 98 | 17800 | 1.39 | 0.00017 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.8Bi0.2CoRuO6 | 418 | 46 | 54592 | 1.33 | 0.00011 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.9Bi0.1CoRuO6 | 318 | 65 | 28500 | 1.44 | 0.00012 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.9Bi0.1CoRuO6 | 418 | 31 | 86290 | 1.43 | 0.00008 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c02442 |

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|---|---|---|---|---|---|---|---|
| Ba1.9Bi0.1CoRuO6 | 518 | 20 | 184500 | 1.37 | 0.00008 | 0.03 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba1.9Bi0.1CoRuO6 | 618 | 15 | 334375 | 1.31 | 0.00008 | 0.04 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba2CoRuO6 | 318 | 55 | 33800 | 1.48 | 0.00010 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba2CoRuO6 | 418 | 26 | 102900 | 1.46 | 0.00007 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Ba2CoRuO6 | 518 | 17 | 223000 | 1.46 | 0.00006 | 0.02 | https://doi.org/10.1021/acs.inorgchem.1c02442 |
| Pb6Bi2Se9 | 323 | -75 | 33154 | 1.13 | 0.00019 | 0.05 | https://doi.org/10.1021/acs.inorgchem.6b02118 |
| Pb6Bi2Se9 | 423 | -113 | 23423 | 1.12 | 0.00030 | 0.11 | https://doi.org/10.1021/acs.inorgchem.6b02118 |
| Pb6Bi2Se9 | 523 | -157 | 15615 | 1.12 | 0.00038 | 0.18 | https://doi.org/10.1021/acs.inorgchem.6b02118 |
| Pb6Bi2Se9 | 623 | -190 | 11769 | 1.12 | 0.00042 | 0.24 | https://doi.org/10.1021/acs.inorgchem.6b02118 |
| Pb6Bi2Se9 | 673 | -193 | 10962 | 1.12 | 0.00041 | 0.25 | https://doi.org/10.1021/acs.inorgchem.6b02118 |
| As2Te1.5Se1.5 | 298 | 529 | 5 | 0.37 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te1.5Se1.5 | 323 | 576 | 8 | 0.35 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te1.5Se1.5 | 373 | 588 | 14 | 0.34 | 0.00000 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te1.5Se1.5 | 423 | 590 | 22 | 0.33 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te1.5Se1.5 | 473 | 544 | 33 | 0.32 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te1.5Se1.5 | 523 | 527 | 51 | 0.34 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.3Se0.7 | 298 | 327 | 29 | 0.53 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.3Se0.7 | 323 | 340 | 87 | 0.52 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.3Se0.7 | 373 | 348 | 160 | 0.49 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.3Se0.7 | 423 | 339 | 258 | 0.47 | 0.00003 | 0.03 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.3Se0.7 | 473 | 298 | 422 | 0.47 | 0.00004 | 0.04 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.3Se0.7 | 523 | 206 | 586 | 0.48 | 0.00002 | 0.03 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.6Se0.4 | 298 | 204 | 623 | 0.62 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.6Se0.4 | 323 | 210 | 940 | 0.59 | 0.00004 | 0.02 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.6Se0.4 | 373 | 228 | 1418 | 0.54 | 0.00007 | 0.05 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.6Se0.4 | 423 | 249 | 1853 | 0.53 | 0.00012 | 0.09 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.6Se0.4 | 473 | 264 | 2184 | 0.51 | 0.00015 | 0.14 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.6Se0.4 | 523 | 266 | 2421 | 0.50 | 0.00017 | 0.18 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.8Se0.2 | 298 | 181 | 649 | 0.66 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.8Se0.2 | 323 | 192 | 921 | 0.62 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.8Se0.2 | 373 | 207 | 1280 | 0.61 | 0.00005 | 0.03 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.8Se0.2 | 423 | 221 | 1672 | 0.57 | 0.00008 | 0.06 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.8Se0.2 | 473 | 226 | 2012 | 0.55 | 0.00010 | 0.09 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.8Se0.2 | 523 | 217 | 2276 | 0.53 | 0.00011 | 0.11 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.9Se0.1 | 298 | 161 | 507 | 0.72 | 0.00001 | 0.02 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.9Se0.1 | 323 | 161 | 691 | 0.68 | 0.00002 | 0.02 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.9Se0.1 | 373 | 159 | 1064 | 0.63 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.9Se0.1 | 423 | 158 | 1509 | 0.60 | 0.00004 | 0.03 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.9Se0.1 | 473 | 155 | 1931 | 0.62 | 0.00005 | 0.03 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2.9Se0.1 | 523 | 144 | 2230 | 0.60 | 0.00005 | 0.03 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2Se | 298 | 224 | 6 | 0.47 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2Se | 323 | 242 | 9 | 0.46 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2Se | 373 | 248 | 21 | 0.45 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2Se | 423 | 246 | 45 | 0.41 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2Se | 473 | 228 | 87 | 0.41 | 0.00000 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te2Se | 523 | 171 | 154 | 0.41 | 0.00000 | 0.01 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te3 | 298 | 119 | 185 | 0.85 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te3 | 323 | 79 | 310 | 0.80 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te3 | 373 | 48 | 586 | 0.73 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te3 | 423 | 41 | 866 | 0.68 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te3 | 473 | 37 | 1155 | 0.67 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| As2Te3 | 523 | 6 | 1638 | 0.68 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.6b02930 |
| BaGd2NiO5 | 426 | 525 | 5 | 2.38 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| BaGd2NiO5 | 532 | 464 | 10 | 2.03 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| BaGd2NiO5 | 638 | 454 | 16 | 1.80 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| BaGd2NiO5 | 750 | 427 | 21 | 1.66 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| BaGd2NiO5 | 862 | 434 | 25 | 1.56 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| BaGd2NiO5 | 975 | 454 | 29 | 1.50 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |

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|---|---|---|---|---|---|---|---|
| BaGd2NiO5 | 1074 | 485 | 32 | 1.44 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| BaGd2NiO5 | 1179 | 520 | 35 | 1.42 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| BaGd2NiO5 | 1272 | 528 | 38 | 1.38 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 526 | 260 | 30 | 1.86 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 632 | 235 | 48 | 1.68 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 736 | 226 | 66 | 1.57 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 839 | 231 | 82 | 1.50 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 939 | 245 | 95 | 1.44 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 1037 | 257 | 107 | 1.38 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 1134 | 260 | 119 | 1.30 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.05BaGd1.95NiO5 | 1230 | 285 | 131 | 1.28 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 392 | 285 | 45 | 2.30 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 513 | 224 | 124 | 2.04 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 611 | 193 | 202 | 1.95 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 716 | 176 | 271 | 1.86 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 811 | 168 | 332 | 1.78 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 907 | 171 | 381 | 1.72 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 1000 | 174 | 425 | 1.66 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 1084 | 194 | 457 | 1.62 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 1179 | 206 | 500 | 1.60 | 0.00002 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.15BaGd1.85NiO5 | 1275 | 221 | 547 | 1.57 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 421 | 231 | 28 | 2.42 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 532 | 204 | 65 | 2.20 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 636 | 175 | 104 | 2.06 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 736 | 168 | 140 | 1.98 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 839 | 168 | 169 | 1.92 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 939 | 164 | 193 | 1.88 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 1037 | 180 | 218 | 1.83 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.1BaGd1.9NiO5 | 1134 | 185 | 239 | 1.76 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 486 | 213 | 72 | 1.27 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 579 | 164 | 131 | 1.30 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 687 | 155 | 212 | 1.33 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 791 | 146 | 295 | 1.35 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 891 | 142 | 345 | 1.31 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 987 | 151 | 394 | 1.28 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 1087 | 163 | 443 | 1.26 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 1179 | 176 | 481 | 1.28 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.25BaGd1.75NiO5 | 1275 | 182 | 513 | 1.25 | 0.00002 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 489 | 211 | 73 | 1.65 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 587 | 167 | 129 | 1.65 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 693 | 159 | 207 | 1.66 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 796 | 150 | 273 | 1.63 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 897 | 149 | 323 | 1.58 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 999 | 157 | 375 | 1.53 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 1095 | 171 | 418 | 1.51 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 1188 | 188 | 458 | 1.54 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ca0.2BaGd1.8NiO5 | 1275 | 206 | 483 | 1.63 | 0.00002 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00049 |
| Ba0.95K0.05Zn2As2 | 323 | 31 | 213333 | 3.73 | 0.00021 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.95K0.05Zn2As2 | 423 | 40 | 160000 | 3.34 | 0.00025 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.95K0.05Zn2As2 | 523 | 52 | 114286 | 2.96 | 0.00031 | 0.06 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.95K0.05Zn2As2 | 623 | 70 | 90141 | 2.66 | 0.00044 | 0.10 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.95K0.05Zn2As2 | 723 | 86 | 72700 | 2.40 | 0.00054 | 0.16 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.96K0.04Zn2As2 | 323 | 45 | 145455 | 2.95 | 0.00030 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.96K0.04Zn2As2 | 423 | 56 | 100000 | 2.41 | 0.00031 | 0.05 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.96K0.04Zn2As2 | 523 | 72 | 72727 | 2.07 | 0.00038 | 0.10 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.96K0.04Zn2As2 | 623 | 91 | 54237 | 1.80 | 0.00045 | 0.15 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.96K0.04Zn2As2 | 723 | 114 | 40506 | 1.60 | 0.00052 | 0.24 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.97K0.03Zn2As2 | 323 | 48 | 164103 | 3.37 | 0.00037 | 0.04 | https://doi.org/10.1021/acs.inorgchem.7b00232 |

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|---|---|---|---|---|---|---|---|
| Ba0.97K0.03Zn2As2 | 423 | 60 | 118519 | 2.91 | 0.00042 | 0.06 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.97K0.03Zn2As2 | 523 | 72 | 94118 | 2.58 | 0.00048 | 0.10 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.97K0.03Zn2As2 | 623 | 86 | 72727 | 2.30 | 0.00054 | 0.15 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.97K0.03Zn2As2 | 723 | 102 | 58182 | 2.09 | 0.00060 | 0.21 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.98K0.02Zn2As2 | 323 | 77 | 139130 | 2.84 | 0.00082 | 0.09 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.98K0.02Zn2As2 | 423 | 94 | 103226 | 2.38 | 0.00092 | 0.16 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.98K0.02Zn2As2 | 523 | 114 | 80000 | 2.08 | 0.00103 | 0.26 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.98K0.02Zn2As2 | 623 | 130 | 62745 | 1.85 | 0.00106 | 0.36 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.98K0.02Zn2As2 | 723 | 148 | 50000 | 1.67 | 0.00110 | 0.48 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.98K0.02Zn2As2 | 823 | 166 | 39530 | 1.52 | 0.00109 | 0.59 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.99K0.01Zn2As2 | 323 | 109 | 47761 | 2.40 | 0.00056 | 0.08 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.99K0.01Zn2As2 | 423 | 135 | 37209 | 1.94 | 0.00067 | 0.15 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.99K0.01Zn2As2 | 523 | 159 | 29358 | 1.68 | 0.00074 | 0.23 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.99K0.01Zn2As2 | 623 | 191 | 23358 | 1.48 | 0.00086 | 0.36 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.99K0.01Zn2As2 | 723 | 210 | 19048 | 1.33 | 0.00084 | 0.46 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.9K0.1Zn2As2 | 323 | 27 | 213333 | 3.92 | 0.00016 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.9K0.1Zn2As2 | 423 | 37 | 168421 | 3.46 | 0.00023 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.9K0.1Zn2As2 | 523 | 52 | 128000 | 3.18 | 0.00034 | 0.06 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.9K0.1Zn2As2 | 623 | 71 | 106670 | 2.90 | 0.00054 | 0.12 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Ba0.9K0.1Zn2As2 | 723 | 88 | 92754 | 2.68 | 0.00071 | 0.19 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| BaZn2As2 | 323 | 203 | 6942 | 1.88 | 0.00027 | 0.05 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| BaZn2As2 | 423 | 230 | 5677 | 1.48 | 0.00029 | 0.09 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| BaZn2As2 | 523 | 250 | 4557 | 1.26 | 0.00028 | 0.12 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| BaZn2As2 | 623 | 268 | 3636 | 1.08 | 0.00026 | 0.15 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| BaZn2As2 | 723 | 284 | 3003 | 0.92 | 0.00024 | 0.19 | https://doi.org/10.1021/acs.inorgchem.7b00232 |
| Li1.01Co0.85Ni0.15O2 | 323 | 245 | 0 | 0.32 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.01Co0.85Ni0.15O2 | 423 | 270 | 0 | 0.98 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.01Co0.85Ni0.15O2 | 523 | 291 | 2 | 1.29 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.01Co0.85Ni0.15O2 | 623 | 306 | 7 | 1.17 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.01Co0.85Ni0.15O2 | 723 | 321 | 20 | 1.00 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.01Co0.85Ni0.15O2 | 823 | 303 | 68 | 0.92 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.01Co0.85Ni0.15O2 | 923 | 269 | 154 | 0.96 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.01Co0.85Ni0.15O2 | 1023 | 255 | 372 | 0.86 | 0.00002 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 323 | 218 | 0 | 1.92 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 423 | 249 | 0 | 2.01 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 523 | 282 | 3 | 1.91 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 623 | 308 | 9 | 1.69 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 723 | 320 | 31 | 1.42 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 823 | 297 | 87 | 1.33 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 923 | 281 | 200 | 1.19 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.04Co0.85Ni0.15O2 | 1023 | 246 | 507 | 0.87 | 0.00003 | 0.04 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 323 | 146 | 1 | 1.94 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 423 | 183 | 2 | 2.80 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 523 | 229 | 9 | 2.72 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 623 | 269 | 34 | 2.45 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 723 | 293 | 100 | 2.19 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 823 | 305 | 223 | 1.91 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 923 | 298 | 484 | 1.61 | 0.00004 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Li1.1Co0.85Ni0.15O2 | 1023 | 285 | 1114 | 1.32 | 0.00009 | 0.07 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 323 | 200 | 0 | 1.69 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 423 | 211 | 0 | 2.03 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 523 | 309 | 1 | 2.05 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 623 | 399 | 5 | 1.94 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 723 | 433 | 24 | 1.67 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 823 | 407 | 96 | 1.48 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 923 | 389 | 189 | 1.45 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.85Ni0.15O2 | 1023 | 344 | 401 | 1.40 | 0.00005 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.92Ni0.08O2 | 423 | 302 | 0 | 1.41 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |

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|---|---|---|---|---|---|---|---|
| LiCo0.92Ni0.08O2 | 523 | 555 | 0 | 1.57 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.92Ni0.08O2 | 623 | 804 | 1 | 1.48 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.92Ni0.08O2 | 723 | 777 | 3 | 1.41 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.92Ni0.08O2 | 823 | 619 | 13 | 1.20 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.92Ni0.08O2 | 923 | 562 | 40 | 1.23 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.92Ni0.08O2 | 1023 | 510 | 120 | 1.40 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 323 | 390 | 0 | 2.03 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 423 | 571 | 0 | 2.23 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 523 | 884 | 0 | 1.98 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 623 | 927 | 1 | 1.77 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 723 | 817 | 4 | 1.76 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 823 | 719 | 18 | 1.58 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 923 | 652 | 47 | 1.47 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.96Ni0.04O2 | 1023 | 545 | 96 | 1.61 | 0.00003 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 323 | 342 | 0 | 2.25 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 423 | 547 | 0 | 2.49 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 523 | 996 | 0 | 2.41 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 623 | 945 | 1 | 2.30 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 723 | 800 | 7 | 2.07 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 823 | 714 | 24 | 1.97 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 923 | 641 | 60 | 1.58 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCo0.98Ni0.02O2 | 1023 | 527 | 158 | 1.41 | 0.00004 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCoO2 | 423 | 1052 | 0 | 7.59 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCoO2 | 523 | 963 | 0 | 5.90 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCoO2 | 623 | 851 | 1 | 4.55 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCoO2 | 723 | 768 | 4 | 4.01 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCoO2 | 823 | 789 | 14 | 3.32 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCoO2 | 923 | 742 | 28 | 2.67 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| LiCoO2 | 1023 | 654 | 57 | 2.72 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00476 |
| Ca11Sb10 | 327 | 20 | 825 | 0.78 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca11Sb10 | 419 | 16 | 2165 | 0.83 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca11Sb10 | 513 | 16 | 2060 | 0.92 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca11Sb10 | 608 | 15 | 2268 | 1.01 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca11Sb10 | 701 | 15 | 2100 | 1.06 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb10 | 327 | 2 | 150204 | 1.78 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb10 | 419 | 5 | 132653 | 1.94 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb10 | 513 | 8 | 125510 | 2.15 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb10 | 608 | 11 | 117917 | 2.27 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb10 | 701 | 13 | 107292 | 2.35 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb9Ge | 327 | 17 | 890 | 1.64 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb9Ge | 419 | 20 | 873 | 1.84 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb9Ge | 513 | 20 | 878 | 2.03 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb9Ge | 608 | 21 | 843 | 2.22 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca2Yb9Sb9Ge | 701 | 21 | 886 | 2.33 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca6Yb5Sb10 | 327 | 6 | 50612 | 1.06 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca6Yb5Sb10 | 419 | 8 | 51429 | 1.22 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca6Yb5Sb10 | 513 | 11 | 51224 | 1.40 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca6Yb5Sb10 | 608 | 14 | 48571 | 1.55 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca6Yb5Sb10 | 701 | 17 | 45918 | 1.70 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb10 | 327 | 15 | 42490 | 0.64 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb10 | 419 | 15 | 52245 | 0.75 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb10 | 513 | 14 | 56327 | 0.85 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb10 | 608 | 15 | 50612 | 0.95 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb10 | 701 | 15 | 50204 | 1.06 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb7Ge3 | 327 | 21 | 309 | 1.02 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb7Ge3 | 419 | 52 | 206 | 1.00 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb7Ge3 | 513 | 64 | 206 | 1.00 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb7Ge3 | 608 | 76 | 619 | 1.02 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |

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| Ca9Yb2Sb7Ge3 | 701 | 78 | 825 | 1.12 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb9Ge | 327 | -5 | 10000 | 0.71 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb9Ge | 419 | -4 | 12371 | 0.79 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb9Ge | 513 | -1 | 14639 | 0.88 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb9Ge | 608 | 7 | 16907 | 0.99 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ca9Yb2Sb9Ge | 701 | 15 | 18763 | 1.11 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.7b00617 |
| Ag3RbMo9Se11 | 324 | 71 | 4267 | 0.68 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b01200 |
| Ag3RbMo9Se11 | 421 | 96 | 5926 | 0.71 | 0.00005 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b01200 |
| Ag3RbMo9Se11 | 520 | 129 | 8050 | 0.77 | 0.00013 | 0.09 | https://doi.org/10.1021/acs.inorgchem.7b01200 |
| Ag3RbMo9Se11 | 618 | 143 | 10667 | 0.84 | 0.00022 | 0.16 | https://doi.org/10.1021/acs.inorgchem.7b01200 |
| Ag3RbMo9Se11 | 717 | 146 | 16623 | 0.89 | 0.00035 | 0.29 | https://doi.org/10.1021/acs.inorgchem.7b01200 |
| Ca14MgBi11 | 326 | 56 | 19835 | 0.75 | 0.00006 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ca14MgBi11 | 424 | 62 | 22052 | 0.84 | 0.00008 | 0.04 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ca14MgBi11 | 521 | 67 | 24828 | 0.95 | 0.00011 | 0.06 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ca14MgBi11 | 621 | 70 | 27652 | 1.05 | 0.00013 | 0.08 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ca14MgBi11 | 717 | 75 | 30041 | 1.11 | 0.00017 | 0.11 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ca14MgBi11 | 817 | 79 | 32088 | 1.33 | 0.00020 | 0.12 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ca14MgBi11 | 914 | 86 | 33333 | 1.40 | 0.00025 | 0.16 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ca14MgBi11 | 1013 | 92 | 33641 | 1.49 | 0.00028 | 0.19 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Eu14MgBi11 | 326 | 28 | 57031 | 1.51 | 0.00004 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Eu14MgBi11 | 424 | 35 | 54887 | 1.54 | 0.00007 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Eu14MgBi11 | 521 | 43 | 52143 | 1.63 | 0.00009 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Eu14MgBi11 | 621 | 58 | 49660 | 1.63 | 0.00016 | 0.06 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Eu14MgBi11 | 717 | 70 | 48993 | 1.63 | 0.00024 | 0.11 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Eu14MgBi11 | 817 | 85 | 48344 | 1.63 | 0.00035 | 0.17 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Eu14MgBi11 | 914 | 99 | 47700 | 1.63 | 0.00047 | 0.27 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 326 | 33 | 63203 | 1.25 | 0.00007 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 424 | 42 | 59592 | 1.27 | 0.00010 | 0.03 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 521 | 57 | 55725 | 1.33 | 0.00018 | 0.07 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 621 | 73 | 53480 | 1.34 | 0.00028 | 0.13 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 717 | 88 | 52518 | 1.34 | 0.00040 | 0.22 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 817 | 107 | 51773 | 1.33 | 0.00059 | 0.36 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 914 | 128 | 50694 | 1.35 | 0.00083 | 0.56 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Sr14MgBi11 | 1013 | 138 | 50350 | 1.40 | 0.00096 | 0.69 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 326 | 24 | 74112 | 1.54 | 0.00004 | 0.01 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 424 | 36 | 70192 | 1.68 | 0.00009 | 0.02 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 521 | 48 | 68224 | 1.82 | 0.00016 | 0.04 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 621 | 62 | 66063 | 1.89 | 0.00025 | 0.08 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 717 | 79 | 62393 | 1.83 | 0.00039 | 0.15 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 817 | 89 | 59592 | 1.73 | 0.00047 | 0.22 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 914 | 98 | 57031 | 1.60 | 0.00055 | 0.31 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Yb14MgBi11 | 1013 | 108 | 54670 | 1.63 | 0.00064 | 0.40 | https://doi.org/10.1021/acs.inorgchem.7b01548 |
| Ag0.01Cr1.99Se3 | 300 | 89 | 39607 | 1.64 | 0.00031 | 0.06 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.01Cr1.99Se3 | 405 | 120 | 34000 | 1.62 | 0.00049 | 0.12 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.01Cr1.99Se3 | 512 | 143 | 28600 | 1.61 | 0.00059 | 0.19 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.01Cr1.99Se3 | 566 | 152 | 26500 | 1.61 | 0.00062 | 0.22 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.01Cr1.99Se3 | 619 | 161 | 24464 | 1.64 | 0.00064 | 0.24 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.01Cr1.99Se3 | 671 | 162 | 23290 | 1.68 | 0.00061 | 0.24 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.01Cr1.99Se3 | 725 | 159 | 22786 | 1.75 | 0.00058 | 0.24 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.02Cr1.98Se3 | 300 | 85 | 37643 | 1.56 | 0.00027 | 0.05 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.02Cr1.98Se3 | 405 | 118 | 32979 | 1.54 | 0.00046 | 0.12 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.02Cr1.98Se3 | 512 | 143 | 28571 | 1.53 | 0.00058 | 0.20 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.02Cr1.98Se3 | 566 | 152 | 26750 | 1.53 | 0.00063 | 0.23 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.02Cr1.98Se3 | 619 | 162 | 24800 | 1.55 | 0.00065 | 0.26 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.02Cr1.98Se3 | 671 | 163 | 23723 | 1.59 | 0.00063 | 0.27 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.02Cr1.98Se3 | 725 | 157 | 23300 | 1.65 | 0.00058 | 0.25 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.03Cr1.97Se3 | 300 | 82 | 39393 | 1.53 | 0.00026 | 0.05 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.03Cr1.97Se3 | 405 | 114 | 34821 | 1.51 | 0.00045 | 0.12 | https://doi.org/10.1021/acs.inorgchem.8b01704 |

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|---|---|---|---|---|---|---|---|
| Ag0.03Cr1.97Se3 | 512 | 139 | 30319 | 1.50 | 0.00059 | 0.20 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.03Cr1.97Se3 | 566 | 148 | 28400 | 1.51 | 0.00063 | 0.24 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.03Cr1.97Se3 | 619 | 154 | 26700 | 1.53 | 0.00064 | 0.26 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.03Cr1.97Se3 | 671 | 155 | 25536 | 1.56 | 0.00062 | 0.26 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.03Cr1.97Se3 | 725 | 152 | 25000 | 1.62 | 0.00058 | 0.26 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.04Cr1.96Se3 | 300 | 80 | 38107 | 1.52 | 0.00024 | 0.05 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.04Cr1.96Se3 | 405 | 110 | 34110 | 1.50 | 0.00042 | 0.11 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.04Cr1.96Se3 | 512 | 135 | 30200 | 1.49 | 0.00055 | 0.19 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.04Cr1.96Se3 | 566 | 145 | 28286 | 1.49 | 0.00059 | 0.23 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.04Cr1.96Se3 | 619 | 152 | 26738 | 1.51 | 0.00062 | 0.25 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.04Cr1.96Se3 | 671 | 154 | 25914 | 1.54 | 0.00062 | 0.27 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| Ag0.04Cr1.96Se3 | 725 | 151 | 25412 | 1.60 | 0.00058 | 0.26 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| CrSe3 | 300 | 89 | 40679 | 1.80 | 0.00033 | 0.05 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| CrSe3 | 405 | 125 | 32900 | 1.77 | 0.00051 | 0.12 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| CrSe3 | 512 | 149 | 27350 | 1.75 | 0.00061 | 0.18 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| CrSe3 | 566 | 160 | 24786 | 1.76 | 0.00063 | 0.20 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| CrSe3 | 619 | 166 | 23036 | 1.78 | 0.00063 | 0.22 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| CrSe3 | 671 | 164 | 22000 | 1.83 | 0.00059 | 0.22 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| CrSe3 | 725 | 159 | 21464 | 1.90 | 0.00054 | 0.21 | https://doi.org/10.1021/acs.inorgchem.8b01704 |
| K8Al8Ge38 | 50 | -3 | 49139 | 0.71 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Al8Ge38 | 100 | -7 | 47863 | 0.88 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Al8Ge38 | 150 | -13 | 46000 | 0.94 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Al8Ge38 | 200 | -20 | 43650 | 1.04 | 0.00002 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Al8Ge38 | 250 | -27 | 41400 | 1.19 | 0.00003 | 0.01 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Ga8Ge38 | 50 | 0 | 231 | 1.01 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Ga8Ge38 | 100 | 1 | 171 | 1.18 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Ga8Ge38 | 150 | 1 | 137 | 1.17 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Ga8Ge38 | 200 | 2 | 117 | 1.14 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| K8Ga8Ge38 | 250 | 3 | 95 | 1.11 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.8b02977 |
| Ca0.99Yb4.01Al2Sb5.84Ge0.16 | 304 | 180 | 607 | 1.25 | 0.00002 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca0.99Yb4.01Al2Sb5.84Ge0.16 | 373 | 219 | 1075 | 1.10 | 0.00005 | 0.02 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca0.99Yb4.01Al2Sb5.84Ge0.16 | 421 | 243 | 1308 | 1.04 | 0.00008 | 0.03 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca0.99Yb4.01Al2Sb5.84Ge0.16 | 517 | 213 | 2056 | 0.97 | 0.00009 | 0.05 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca0.99Yb4.01Al2Sb5.84Ge0.16 | 565 | 199 | 2570 | 0.98 | 0.00010 | 0.06 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca0.99Yb4.01Al2Sb5.84Ge0.16 | 613 | 184 | 3084 | 1.00 | 0.00010 | 0.06 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca0.99Yb4.01Al2Sb5.84Ge0.16 | 661 | 159 | 3785 | 1.02 | 0.00010 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca1.11Yb3.89Al2Sb5.77Ge0.23 | 304 | 33 | 21308 | 2.34 | 0.00002 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca1.11Yb3.89Al2Sb5.77Ge0.23 | 373 | 39 | 19346 | 2.27 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca1.11Yb3.89Al2Sb5.77Ge0.23 | 422 | 45 | 17944 | 2.19 | 0.00004 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca1.11Yb3.89Al2Sb5.77Ge0.23 | 520 | 54 | 16500 | 2.04 | 0.00005 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca1.11Yb3.89Al2Sb5.77Ge0.23 | 567 | 56 | 21402 | 1.96 | 0.00007 | 0.02 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca1.11Yb3.89Al2Sb5.77Ge0.23 | 614 | 60 | 23692 | 1.90 | 0.00009 | 0.03 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| Ca1.11Yb3.89Al2Sb5.77Ge0.23 | 661 | 63 | 22600 | 1.84 | 0.00009 | 0.03 | https://doi.org/10.1021/acs.inorgchem.9b00181 |
| AgSb0.93Mn0.07Te2 | 302 | 58 | 121745 | 1.15 | 0.00042 | 0.11 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.93Mn0.07Te2 | 344 | 71 | 111141 | 1.13 | 0.00057 | 0.17 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.93Mn0.07Te2 | 394 | 88 | 99865 | 1.16 | 0.00078 | 0.27 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.93Mn0.07Te2 | 442 | 104 | 91351 | 1.18 | 0.00098 | 0.37 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.93Mn0.07Te2 | 491 | 119 | 84324 | 1.21 | 0.00120 | 0.49 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.93Mn0.07Te2 | 541 | 134 | 77973 | 1.20 | 0.00139 | 0.63 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.95Mn0.05Te2 | 297 | 57 | 87973 | 1.04 | 0.00028 | 0.08 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.95Mn0.05Te2 | 342 | 74 | 79733 | 1.05 | 0.00044 | 0.14 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.95Mn0.05Te2 | 394 | 92 | 72400 | 1.07 | 0.00062 | 0.23 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.95Mn0.05Te2 | 444 | 108 | 66133 | 1.08 | 0.00078 | 0.32 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.95Mn0.05Te2 | 494 | 124 | 62000 | 1.07 | 0.00095 | 0.44 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.95Mn0.05Te2 | 545 | 138 | 58400 | 1.10 | 0.00111 | 0.55 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.99Mn0.01Te2 | 301 | 77 | 51733 | 1.00 | 0.00030 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.99Mn0.01Te2 | 341 | 86 | 49067 | 0.96 | 0.00036 | 0.13 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.99Mn0.01Te2 | 394 | 107 | 44933 | 0.94 | 0.00051 | 0.22 | https://doi.org/10.1021/acs.inorgchem.9b00852 |

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|---|---|---|---|---|---|---|---|
| AgSb0.99Mn0.01Te2 | 444 | 124 | 40933 | 0.95 | 0.00063 | 0.29 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.99Mn0.01Te2 | 493 | 140 | 38667 | 0.92 | 0.00076 | 0.41 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSb0.99Mn0.01Te2 | 544 | 151 | 35333 | 0.91 | 0.00081 | 0.48 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSbTe2 | 303 | 82 | 38533 | 0.98 | 0.00026 | 0.08 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSbTe2 | 341 | 97 | 35733 | 0.94 | 0.00033 | 0.12 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSbTe2 | 391 | 117 | 33600 | 0.96 | 0.00046 | 0.19 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSbTe2 | 439 | 137 | 33533 | 1.04 | 0.00063 | 0.27 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSbTe2 | 488 | 153 | 35200 | 1.05 | 0.00082 | 0.38 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgSbTe2 | 537 | 165 | 35467 | 1.06 | 0.00097 | 0.49 | https://doi.org/10.1021/acs.inorgchem.9b00852 |
| AgBi0.85Sb0.15Se2 | 300 | 556 | 2 | 0.42 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.85Sb0.15Se2 | 400 | 561 | 26 | 0.39 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.85Sb0.15Se2 | 500 | 511 | 240 | 0.40 | 0.00006 | 0.08 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.85Sb0.15Se2 | 525 | 527 | 239 | 0.42 | 0.00007 | 0.08 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.85Sb0.15Se2 | 550 | 354 | 128 | 0.37 | 0.00002 | 0.02 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.85Sb0.15Se2 | 575 | 194 | 166 | 0.33 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.95Sb0.05Se2 | 300 | -667 | 3 | 0.49 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.95Sb0.05Se2 | 400 | -378 | 21 | 0.44 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.95Sb0.05Se2 | 500 | 176 | 141 | 0.45 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.95Sb0.05Se2 | 525 | 341 | 241 | 0.46 | 0.00003 | 0.03 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.95Sb0.05Se2 | 550 | 161 | 214 | 0.40 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.95Sb0.05Se2 | 575 | -13 | 147 | 0.33 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.95Sb0.05Se2 | 600 | -112 | 209 | 0.33 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.9Sb0.1Se2 | 300 | 133 | 2 | 0.46 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.9Sb0.1Se2 | 400 | 461 | 27 | 0.40 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.9Sb0.1Se2 | 500 | 453 | 179 | 0.40 | 0.00004 | 0.04 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.9Sb0.1Se2 | 525 | 430 | 363 | 0.42 | 0.00007 | 0.07 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.9Sb0.1Se2 | 550 | 250 | 237 | 0.37 | 0.00001 | 0.02 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.9Sb0.1Se2 | 575 | 76 | 175 | 0.33 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBi0.9Sb0.1Se2 | 600 | -60 | 236 | 0.34 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBiSe2 | 300 | -526 | 6 | 0.53 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBiSe2 | 400 | -83 | 36 | 0.48 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBiSe2 | 500 | 422 | 240 | 0.52 | 0.00004 | 0.04 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBiSe2 | 525 | 484 | 447 | 0.54 | 0.00010 | 0.10 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBiSe2 | 550 | 461 | 405 | 0.48 | 0.00009 | 0.11 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBiSe2 | 575 | 375 | 314 | 0.44 | 0.00004 | 0.06 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| AgBiSe2 | 600 | 56 | 237 | 0.41 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b00874 |
| Ag(Bi0.85Nb0.15)0.7Sb0.3Se2 | 326 | -153 | 9120 | 0.74 | 0.00021 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.7Sb0.3Se2 | 378 | -163 | 8913 | 0.69 | 0.00024 | 0.13 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.7Sb0.3Se2 | 478 | -276 | 2239 | 0.63 | 0.00017 | 0.13 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.7Sb0.3Se2 | 526 | -231 | 4467 | 0.65 | 0.00024 | 0.19 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.7Sb0.3Se2 | 576 | -214 | 6761 | 0.75 | 0.00031 | 0.24 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.7Sb0.3Se2 | 676 | -228 | 7079 | 0.94 | 0.00037 | 0.27 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.9Sb0.1Se2 | 326 | -71 | 47661 | 0.66 | 0.00024 | 0.12 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.9Sb0.1Se2 | 478 | -141 | 19638 | 0.64 | 0.00039 | 0.29 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.9Sb0.1Se2 | 526 | -175 | 12523 | 0.64 | 0.00038 | 0.32 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.9Sb0.1Se2 | 576 | -152 | 17433 | 0.53 | 0.00040 | 0.44 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Nb0.15)0.9Sb0.1Se2 | 676 | -167 | 17666 | 0.65 | 0.00049 | 0.51 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.7Sb0.3Se2 | 326 | 389 | 605 | 0.56 | 0.00009 | 0.05 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.7Sb0.3Se2 | 378 | 397 | 681 | 0.53 | 0.00011 | 0.08 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.7Sb0.3Se2 | 478 | 422 | 766 | 0.48 | 0.00014 | 0.14 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.7Sb0.3Se2 | 576 | 424 | 767 | 0.52 | 0.00014 | 0.15 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.9Sb0.1Se2 | 326 | 431 | 197 | 0.51 | 0.00004 | 0.02 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.9Sb0.1Se2 | 378 | 436 | 289 | 0.58 | 0.00006 | 0.04 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.9Sb0.1Se2 | 478 | 438 | 500 | 0.51 | 0.00010 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.9Sb0.1Se2 | 526 | 400 | 464 | 0.43 | 0.00007 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.85Pb0.15)0.9Sb0.1Se2 | 576 | 314 | 522 | 0.46 | 0.00005 | 0.06 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.7Sb0.3Se2 | 326 | -149 | 12303 | 0.81 | 0.00027 | 0.11 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.7Sb0.3Se2 | 378 | -184 | 10000 | 0.89 | 0.00034 | 0.14 | https://doi.org/10.1021/acs.inorgchem.9b01038 |

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|---|---|---|---|---|---|---|---|
| Ag(Bi0.8Nb0.2)0.7Sb0.3Se2 | 478 | -225 | 2818 | 0.49 | 0.00014 | 0.14 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.7Sb0.3Se2 | 526 | -222 | 4898 | 0.60 | 0.00024 | 0.21 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.7Sb0.3Se2 | 576 | -229 | 5754 | 0.58 | 0.00030 | 0.30 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.9Sb0.1Se2 | 326 | -70 | 50250 | 0.77 | 0.00025 | 0.10 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.9Sb0.1Se2 | 378 | -77 | 46416 | 0.71 | 0.00028 | 0.15 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.9Sb0.1Se2 | 478 | -142 | 20706 | 0.63 | 0.00042 | 0.32 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.9Sb0.1Se2 | 526 | -170 | 14107 | 0.53 | 0.00041 | 0.41 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.9Sb0.1Se2 | 576 | -147 | 20710 | 0.42 | 0.00045 | 0.62 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Nb0.2)0.9Sb0.1Se2 | 676 | -156 | 23635 | 0.61 | 0.00058 | 0.64 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.7Sb0.3Se2 | 478 | 292 | 1778 | 2.34 | 0.00015 | 0.03 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.7Sb0.3Se2 | 526 | 281 | 1728 | 3.26 | 0.00014 | 0.02 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.7Sb0.3Se2 | 576 | 251 | 1631 | 4.01 | 0.00010 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.9Sb0.1Se2 | 326 | 131 | 412 | 0.47 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.9Sb0.1Se2 | 378 | 153 | 538 | 0.55 | 0.00001 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.9Sb0.1Se2 | 478 | 219 | 681 | 0.51 | 0.00003 | 0.03 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.9Sb0.1Se2 | 526 | 183 | 709 | 0.51 | 0.00002 | 0.02 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.8Pb0.2)0.9Sb0.1Se2 | 576 | 136 | 838 | 0.60 | 0.00002 | 0.01 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.7Sb0.3Se2 | 326 | -168 | 5623 | 0.55 | 0.00016 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.7Sb0.3Se2 | 378 | -179 | 6607 | 0.62 | 0.00021 | 0.13 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.7Sb0.3Se2 | 478 | -263 | 2089 | 0.54 | 0.00014 | 0.13 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.7Sb0.3Se2 | 526 | -274 | 2754 | 0.56 | 0.00021 | 0.19 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.7Sb0.3Se2 | 576 | -270 | 3090 | 0.54 | 0.00023 | 0.24 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.7Sb0.3Se2 | 676 | -278 | 2818 | 0.56 | 0.00022 | 0.26 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.9Sb0.1Se2 | 326 | -88 | 33333 | 0.70 | 0.00026 | 0.12 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.9Sb0.1Se2 | 526 | -181 | 11567 | 0.63 | 0.00038 | 0.32 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Nb0.1)0.9Sb0.1Se2 | 676 | -154 | 21831 | 0.68 | 0.00052 | 0.51 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.7Sb0.3Se2 | 326 | 414 | 702 | 0.63 | 0.00012 | 0.06 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.7Sb0.3Se2 | 378 | 403 | 813 | 0.67 | 0.00013 | 0.07 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.7Sb0.3Se2 | 478 | 414 | 1059 | 0.64 | 0.00018 | 0.14 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.7Sb0.3Se2 | 526 | 408 | 915 | 0.62 | 0.00015 | 0.13 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.7Sb0.3Se2 | 576 | 370 | 702 | 0.59 | 0.00010 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.9Sb0.1Se2 | 326 | 561 | 197 | 0.57 | 0.00006 | 0.04 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.9Sb0.1Se2 | 378 | 539 | 273 | 0.53 | 0.00008 | 0.06 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.9Sb0.1Se2 | 478 | 444 | 1000 | 0.53 | 0.00020 | 0.18 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.9Sb0.1Se2 | 526 | 483 | 316 | 0.44 | 0.00007 | 0.09 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Ag(Bi0.9Pb0.1)0.9Sb0.1Se2 | 576 | 367 | 356 | 0.43 | 0.00005 | 0.06 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.7Sb0.3Se2 | 326 | -383 | 298 | 0.48 | 0.00004 | 0.03 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.7Sb0.3Se2 | 378 | -361 | 400 | 0.47 | 0.00005 | 0.04 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.7Sb0.3Se2 | 478 | -328 | 1125 | 0.45 | 0.00012 | 0.13 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.7Sb0.3Se2 | 576 | -275 | 2371 | 0.39 | 0.00018 | 0.26 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.7Sb0.3Se2 | 676 | -306 | 1231 | 0.33 | 0.00011 | 0.24 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.9Sb0.1Se2 | 326 | -128 | 14962 | 0.50 | 0.00024 | 0.16 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.9Sb0.1Se2 | 378 | -131 | 16312 | 0.48 | 0.00028 | 0.22 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.9Sb0.1Se2 | 478 | -153 | 20535 | 0.47 | 0.00048 | 0.48 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.9Sb0.1Se2 | 526 | -211 | 7943 | 0.49 | 0.00035 | 0.38 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.9Sb0.1Se2 | 576 | -217 | 7286 | 0.38 | 0.00034 | 0.52 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| AgBi0.9Sb0.1Se2 | 676 | -247 | 5464 | 0.40 | 0.00033 | 0.56 | https://doi.org/10.1021/acs.inorgchem.9b01038 |
| Cu0.98Pd0.02FeS2 | 10 | -18 | 3652 | 10.90 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.98Pd0.02FeS2 | 30 | -47 | 5829 | 22.50 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.98Pd0.02FeS2 | 50 | -63 | 7134 | 20.68 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.98Pd0.02FeS2 | 70 | -76 | 7880 | 17.16 | 0.00005 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.98Pd0.02FeS2 | 100 | -116 | 9306 | 13.98 | 0.00013 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.98Pd0.02FeS2 | 200 | -223 | 10746 | 9.55 | 0.00053 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.98Pd0.02FeS2 | 300 | -307 | 9305 | 7.39 | 0.00088 | 0.04 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.995Pd0.005FeS2 | 10 | -150 | 0 | 26.25 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.995Pd0.005FeS2 | 30 | -420 | 7 | 50.00 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.995Pd0.005FeS2 | 50 | -489 | 63 | 37.84 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.995Pd0.005FeS2 | 70 | -487 | 264 | 29.43 | 0.00006 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |

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|---|---|---|---|---|---|---|---|
| Cu0.995Pd0.005FeS2 | 100 | -450 | 1000 | 21.36 | 0.00020 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.995Pd0.005FeS2 | 200 | -395 | 3652 | 12.16 | 0.00057 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.995Pd0.005FeS2 | 300 | -405 | 4217 | 7.84 | 0.00069 | 0.03 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.99Pd0.01FeS2 | 10 | -61 | 20 | 20.90 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.99Pd0.01FeS2 | 30 | -124 | 221 | 34.43 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.99Pd0.01FeS2 | 50 | -140 | 723 | 32.50 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.99Pd0.01FeS2 | 70 | -173 | 1382 | 29.20 | 0.00004 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.99Pd0.01FeS2 | 100 | -249 | 2642 | 23.18 | 0.00016 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.99Pd0.01FeS2 | 200 | -345 | 5425 | 12.84 | 0.00065 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.99Pd0.01FeS2 | 300 | -396 | 5233 | 9.20 | 0.00082 | 0.03 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.9Pd0.1FeS2 | 10 | -13 | 55804 | 5.47 | 0.00001 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.9Pd0.1FeS2 | 30 | -31 | 57255 | 13.40 | 0.00005 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.9Pd0.1FeS2 | 50 | -46 | 58294 | 13.75 | 0.00012 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.9Pd0.1FeS2 | 70 | -56 | 56200 | 12.61 | 0.00018 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.9Pd0.1FeS2 | 100 | -73 | 52330 | 10.68 | 0.00028 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.9Pd0.1FeS2 | 200 | -124 | 37855 | 7.16 | 0.00058 | 0.02 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu0.9Pd0.1FeS2 | 300 | -168 | 27384 | 5.23 | 0.00077 | 0.04 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu1.02Fe0.98S2 | 30 | -1174 | 0 | 77.16 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu1.02Fe0.98S2 | 50 | -973 | 0 | 54.25 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu1.02Fe0.98S2 | 70 | -799 | 1 | 40.80 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu1.02Fe0.98S2 | 100 | -671 | 11 | 31.02 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu1.02Fe0.98S2 | 200 | -557 | 107 | 18.07 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Cu1.02Fe0.98S2 | 300 | -534 | 115 | 11.02 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| CuFeS2 | 10 | -98 | 1 | 11.70 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| CuFeS2 | 30 | -307 | 26 | 29.77 | 0.00000 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| CuFeS2 | 50 | -486 | 132 | 30.45 | 0.00003 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| CuFeS2 | 70 | -508 | 407 | 27.95 | 0.00011 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| CuFeS2 | 100 | -473 | 1241 | 23.86 | 0.00028 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| CuFeS2 | 200 | -376 | 5830 | 16.14 | 0.00082 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c06490 |
| Co9S8 | 18 | -3 | 94644551 | 27.77 | 0.00059 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| Co9S8 | 41 | -2 | 41450510 | 33.17 | 0.00066 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| Co9S8 | 66 | -2 | 17339800 | 29.05 | 0.00006 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| Co9S8 | 89 | -5 | 9728543 | 24.05 | 0.00020 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| Co9S8 | 107 | -5 | 6740000 | 20.27 | 0.00015 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| Co9S8 | 150 | -7 | 3679062 | 15.74 | 0.00019 | 0.00 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| Co9S8 | 250 | -15 | 1666700 | 11.28 | 0.00038 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| Co9S8 | 300 | -19 | 1269362 | 10.00 | 0.00047 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| CoS2 | 41 | -29 | 5214000 | 10.80 | 0.00508 | 0.02 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| CoS2 | 66 | -33 | 2500000 | 14.17 | 0.00333 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| CoS2 | 89 | -30 | 1539044 | 14.75 | 0.00194 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| CoS2 | 107 | -27 | 1190412 | 14.12 | 0.00131 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| CoS2 | 150 | -32 | 1000000 | 12.95 | 0.00124 | 0.01 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| CoS2 | 250 | -37 | 759413 | 11.94 | 0.00134 | 0.02 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| CoS2 | 300 | -40 | 667884 | 11.20 | 0.00133 | 0.03 | https://doi.org/10.1021/acs.jpcc.0c11601 |
| SnAgSbSe2 | 600 | 60 | 285000 | 5.15 | 0.00103 | 0.12 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnAgSbSe2 | 650 | 71 | 236200 | 4.66 | 0.00120 | 0.17 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnAgSbSe2 | 700 | 87 | 190140 | 4.18 | 0.00143 | 0.24 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnAgSbSe2 | 750 | 103 | 153061 | 3.77 | 0.00161 | 0.32 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnAgSbSe2 | 800 | 118 | 115800 | 3.37 | 0.00162 | 0.41 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.15AgSbSe2 | 300 | 61 | 161200 | 2.19 | 0.00060 | 0.08 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.15AgSbSe2 | 400 | 81 | 136577 | 2.16 | 0.00089 | 0.17 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.15AgSbSe2 | 500 | 101 | 112400 | 2.01 | 0.00115 | 0.29 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.15AgSbSe2 | 600 | 123 | 89000 | 1.80 | 0.00135 | 0.45 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.15AgSbSe2 | 650 | 133 | 81500 | 1.76 | 0.00145 | 0.53 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.15AgSbSe2 | 700 | 140 | 76870 | 1.71 | 0.00152 | 0.63 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.15AgSbSe2 | 800 | 146 | 76600 | 1.72 | 0.00164 | 0.76 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.1AgSbSe2 | 300 | 53 | 206711 | 2.45 | 0.00059 | 0.07 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.1AgSbSe2 | 400 | 71 | 170400 | 2.44 | 0.00085 | 0.14 | https://doi.org/10.1021/acs.jpcc.9b03329 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SnTe0.1AgSbSe2 | 500 | 90 | 138255 | 2.29 | 0.00113 | 0.25 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.1AgSbSe2 | 600 | 113 | 109350 | 2.06 | 0.00140 | 0.41 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.1AgSbSe2 | 650 | 125 | 96644 | 1.97 | 0.00151 | 0.50 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.1AgSbSe2 | 700 | 134 | 89000 | 1.90 | 0.00160 | 0.59 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.1AgSbSe2 | 750 | 140 | 84900 | 1.88 | 0.00167 | 0.67 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.1AgSbSe2 | 800 | 143 | 83893 | 1.91 | 0.00172 | 0.72 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 300 | 66 | 133500 | 1.85 | 0.00058 | 0.09 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 400 | 86 | 113800 | 1.83 | 0.00087 | 0.19 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 500 | 109 | 94295 | 1.71 | 0.00112 | 0.33 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 600 | 132 | 77181 | 1.61 | 0.00135 | 0.50 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 650 | 139 | 73100 | 1.59 | 0.00141 | 0.58 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 700 | 142 | 71800 | 1.62 | 0.00145 | 0.63 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 750 | 143 | 71500 | 1.66 | 0.00146 | 0.66 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.25AgSbSe2 | 800 | 140 | 73450 | 1.74 | 0.00143 | 0.66 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.2AgSbSe2 | 300 | 64 | 125000 | 1.29 | 0.00056 | 0.13 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.2AgSbSe2 | 400 | 84 | 106711 | 1.27 | 0.00089 | 0.28 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.2AgSbSe2 | 500 | 104 | 89262 | 1.20 | 0.00111 | 0.47 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.2AgSbSe2 | 600 | 128 | 72819 | 1.09 | 0.00129 | 0.72 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.2AgSbSe2 | 650 | 138 | 68456 | 1.08 | 0.00137 | 0.83 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| SnTe0.2AgSbSe2 | 800 | 140 | 69799 | 1.21 | 0.00142 | 0.93 | https://doi.org/10.1021/acs.jpcc.9b03329 |
| Mg0.95Li0.05Ge0.9Si0.1 | 300 | 239 | 13615 | 4.94 | 0.00078 | 0.05 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.95Li0.05Ge0.9Si0.1 | 400 | 277 | 10320 | 3.69 | 0.00079 | 0.09 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.95Li0.05Ge0.9Si0.1 | 500 | 293 | 11700 | 3.03 | 0.00101 | 0.17 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.95Li0.05Ge0.9Si0.1 | 600 | 294 | 14308 | 2.63 | 0.00124 | 0.28 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.95Li0.05Ge0.9Si0.1 | 675 | 286 | 17240 | 2.43 | 0.00141 | 0.39 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.97Li0.03Ge0.8Si0.2 | 400 | 315 | 7308 | 3.34 | 0.00073 | 0.09 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.97Li0.03Ge0.8Si0.2 | 500 | 326 | 8923 | 2.77 | 0.00095 | 0.17 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.97Li0.03Ge0.8Si0.2 | 600 | 319 | 12077 | 2.46 | 0.00123 | 0.30 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.97Li0.03Ge0.9Si0.1 | 300 | 173 | 44769 | 4.92 | 0.00135 | 0.08 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.97Li0.03Ge0.9Si0.1 | 400 | 217 | 33154 | 3.81 | 0.00156 | 0.16 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.97Li0.03Ge0.9Si0.1 | 500 | 249 | 26000 | 3.17 | 0.00161 | 0.25 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.97Li0.03Ge0.9Si0.1 | 600 | 253 | 28615 | 2.81 | 0.00184 | 0.39 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.8Si0.2 | 300 | 327 | 2308 | 4.30 | 0.00025 | 0.02 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.8Si0.2 | 400 | 361 | 2538 | 3.36 | 0.00033 | 0.04 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.8Si0.2 | 500 | 360 | 3846 | 2.75 | 0.00050 | 0.09 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.8Si0.2 | 600 | 338 | 6300 | 2.40 | 0.00070 | 0.18 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.8Si0.2 | 675 | 313 | 8692 | 2.27 | 0.00085 | 0.25 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.9Si0.1 | 300 | 229 | 13400 | 5.29 | 0.00070 | 0.04 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.9Si0.1 | 400 | 273 | 11050 | 4.03 | 0.00082 | 0.08 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.9Si0.1 | 500 | 291 | 13000 | 3.30 | 0.00110 | 0.17 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.9Si0.1 | 600 | 289 | 16538 | 2.84 | 0.00138 | 0.29 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.98Li0.02Ge0.9Si0.1 | 675 | 281 | 19385 | 2.68 | 0.00153 | 0.39 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.99Li0.01Ge0.9Si0.1 | 400 | 292 | 10692 | 4.35 | 0.00091 | 0.08 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.99Li0.01Ge0.9Si0.1 | 500 | 317 | 10846 | 3.50 | 0.00109 | 0.16 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.99Li0.01Ge0.9Si0.1 | 600 | 318 | 12692 | 2.97 | 0.00128 | 0.26 | https://doi.org/10.1021/acsaem.1c00172 |
| Mg0.99Li0.01Ge0.9Si0.1 | 675 | 309 | 14769 | 2.66 | 0.00141 | 0.36 | https://doi.org/10.1021/acsaem.1c00172 |
| (Bi0.23Sb0.77)2Te3 | 300 | 229 | 54942 | 0.89 | 0.00288 | 0.98 | https://doi.org/10.1021/acsaem.1c01830 |
| (Bi0.23Sb0.77)2Te3 | 350 | 244 | 44766 | 0.88 | 0.00267 | 1.06 | https://doi.org/10.1021/acsaem.1c01830 |
| (Bi0.23Sb0.77)2Te3 | 400 | 242 | 37164 | 0.93 | 0.00218 | 0.93 | https://doi.org/10.1021/acsaem.1c01830 |
| (Bi0.23Sb0.77)2Te3 | 450 | 220 | 32706 | 1.05 | 0.00159 | 0.68 | https://doi.org/10.1021/acsaem.1c01830 |
| (Bi0.23Sb0.77)2Te3 | 500 | 187 | 30882 | 1.19 | 0.00108 | 0.45 | https://doi.org/10.1021/acsaem.1c01830 |
| Cu2.2Sn0.8Sb0.2Se3.2 | 300 | 47 | 217574 | 3.49 | 0.00048 | 0.04 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.2Sn0.8Sb0.2Se3.2 | 372 | 56 | 191450 | 3.27 | 0.00060 | 0.07 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.2Sn0.8Sb0.2Se3.2 | 473 | 69 | 160372 | 2.97 | 0.00075 | 0.12 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.2Sn0.8Sb0.2Se3.2 | 523 | 75 | 146800 | 2.80 | 0.00083 | 0.15 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.2Sn0.8Sb0.2Se3.2 | 622 | 87 | 129155 | 2.57 | 0.00099 | 0.24 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.2Sn0.8Sb0.2Se3.2 | 723 | 111 | 96140 | 2.20 | 0.00118 | 0.39 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.5Sn0.5Sb0.5Se3.5 | 300 | 28 | 532716 | 5.31 | 0.00042 | 0.02 | https://doi.org/10.1021/acsaem.1c01155 |

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|---|---|---|---|---|---|---|---|
| Cu2.5Sn0.5Sb0.5Se3.5 | 372 | 34 | 455113 | 5.03 | 0.00054 | 0.04 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.5Sn0.5Sb0.5Se3.5 | 473 | 43 | 370149 | 4.64 | 0.00068 | 0.07 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.5Sn0.5Sb0.5Se3.5 | 523 | 47 | 335460 | 4.48 | 0.00074 | 0.09 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.5Sn0.5Sb0.5Se3.5 | 622 | 57 | 275600 | 4.06 | 0.00088 | 0.14 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.5Sn0.5Sb0.5Se3.5 | 723 | 74 | 211300 | 3.49 | 0.00117 | 0.24 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.8Sn0.2Sb0.8Se3.8 | 300 | 36 | 429021 | 5.74 | 0.00056 | 0.03 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.8Sn0.2Sb0.8Se3.8 | 372 | 45 | 370149 | 5.24 | 0.00074 | 0.05 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.8Sn0.2Sb0.8Se3.8 | 473 | 54 | 300000 | 4.55 | 0.00088 | 0.09 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.8Sn0.2Sb0.8Se3.8 | 523 | 59 | 267516 | 4.25 | 0.00093 | 0.11 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.8Sn0.2Sb0.8Se3.8 | 622 | 73 | 219725 | 3.74 | 0.00116 | 0.19 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2.8Sn0.2Sb0.8Se3.8 | 723 | 89 | 171808 | 3.03 | 0.00135 | 0.32 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2SnSe3 | 300 | 181 | 1718 | 2.91 | 0.00006 | 0.01 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2SnSe3 | 372 | 193 | 1735 | 2.20 | 0.00006 | 0.01 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2SnSe3 | 473 | 200 | 2133 | 1.68 | 0.00009 | 0.02 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2SnSe3 | 523 | 204 | 2649 | 1.50 | 0.00011 | 0.04 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2SnSe3 | 622 | 213 | 4084 | 1.28 | 0.00018 | 0.09 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu2SnSe3 | 723 | 218 | 5327 | 1.10 | 0.00025 | 0.17 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu3SbSe4 | 300 | 380 | 4462 | 3.39 | 0.00064 | 0.06 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu3SbSe4 | 372 | 391 | 3590 | 2.35 | 0.00055 | 0.10 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu3SbSe4 | 473 | 298 | 2623 | 1.75 | 0.00023 | 0.06 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu3SbSe4 | 523 | 295 | 3040 | 1.58 | 0.00027 | 0.09 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu3SbSe4 | 622 | 275 | 5847 | 1.36 | 0.00044 | 0.18 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu3SbSe4 | 723 | 245 | 7760 | 1.11 | 0.00046 | 0.36 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.3 | 300 | 37 | 185345 | 2.74 | 0.00026 | 0.03 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.3 | 373 | 42 | 175862 | 2.67 | 0.00031 | 0.04 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.3 | 473 | 52 | 148276 | 2.38 | 0.00040 | 0.08 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.3 | 573 | 65 | 124138 | 2.28 | 0.00053 | 0.13 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.3 | 673 | 83 | 101724 | 2.06 | 0.00070 | 0.23 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.3 | 723 | 94 | 80769 | 1.86 | 0.00071 | 0.30 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.58 | 300 | 30 | 336207 | 4.17 | 0.00031 | 0.02 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.58 | 373 | 36 | 296552 | 3.96 | 0.00037 | 0.04 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.58 | 473 | 46 | 246552 | 3.62 | 0.00051 | 0.07 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.58 | 573 | 56 | 204310 | 3.38 | 0.00064 | 0.11 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.58 | 673 | 71 | 164655 | 2.95 | 0.00084 | 0.19 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.58 | 723 | 79 | 141379 | 2.60 | 0.00087 | 0.24 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.79 | 300 | 30 | 443478 | 4.72 | 0.00041 | 0.03 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.79 | 373 | 38 | 385345 | 4.52 | 0.00054 | 0.04 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.79 | 473 | 47 | 316379 | 4.17 | 0.00071 | 0.08 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.79 | 573 | 56 | 260345 | 3.82 | 0.00083 | 0.12 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.79 | 673 | 67 | 210345 | 3.44 | 0.00093 | 0.18 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe6.79 | 723 | 77 | 175862 | 3.16 | 0.00104 | 0.24 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe7 | 300 | 29 | 527826 | 5.27 | 0.00043 | 0.02 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe7 | 373 | 34 | 457391 | 5.03 | 0.00054 | 0.04 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe7 | 473 | 44 | 370500 | 4.63 | 0.00071 | 0.07 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe7 | 573 | 53 | 303478 | 4.28 | 0.00084 | 0.11 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe7 | 673 | 65 | 242609 | 3.80 | 0.00102 | 0.18 | https://doi.org/10.1021/acsaem.1c01155 |
| Cu5SnSbSe7 | 723 | 75 | 206957 | 3.47 | 0.00116 | 0.24 | https://doi.org/10.1021/acsaem.1c01155 |
| Er0.01(Bi0.23Sb0.77)1.99Te3 | 300 | 241 | 57647 | 0.86 | 0.00335 | 1.17 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.01(Bi0.23Sb0.77)1.99Te3 | 350 | 242 | 46228 | 0.86 | 0.00270 | 1.10 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.01(Bi0.23Sb0.77)1.99Te3 | 400 | 243 | 38353 | 0.93 | 0.00226 | 0.98 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.01(Bi0.23Sb0.77)1.99Te3 | 450 | 222 | 33471 | 1.07 | 0.00165 | 0.69 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.01(Bi0.23Sb0.77)1.99Te3 | 500 | 196 | 31000 | 1.26 | 0.00119 | 0.47 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.02(Bi0.23Sb0.77)1.98Te3 | 300 | 225 | 60650 | 0.81 | 0.00307 | 1.13 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.02(Bi0.23Sb0.77)1.98Te3 | 350 | 236 | 49561 | 0.80 | 0.00276 | 1.21 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.02(Bi0.23Sb0.77)1.98Te3 | 400 | 238 | 40731 | 0.84 | 0.00230 | 1.09 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.02(Bi0.23Sb0.77)1.98Te3 | 450 | 222 | 35000 | 0.95 | 0.00173 | 0.82 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.02(Bi0.23Sb0.77)1.98Te3 | 500 | 192 | 31784 | 1.08 | 0.00118 | 0.54 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.03(Bi0.23Sb0.77)1.97Te3 | 300 | 217 | 62300 | 0.84 | 0.00292 | 1.05 | https://doi.org/10.1021/acsaem.1c01830 |

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|---|---|---|---|---|---|---|---|
| Er0.03(Bi0.23Sb0.77)1.97Te3 | 350 | 236 | 50322 | 0.82 | 0.00280 | 1.19 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.03(Bi0.23Sb0.77)1.97Te3 | 400 | 235 | 41140 | 0.87 | 0.00226 | 1.04 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.03(Bi0.23Sb0.77)1.97Te3 | 450 | 221 | 35526 | 0.99 | 0.00174 | 0.80 | https://doi.org/10.1021/acsaem.1c01830 |
| Er0.03(Bi0.23Sb0.77)1.97Te3 | 500 | 197 | 31600 | 1.12 | 0.00123 | 0.55 | https://doi.org/10.1021/acsaem.1c01830 |
| Nb0.75Ta0.25CoSn0.9Sb0.1 | 338 | -105 | 121986 | 4.60 | 0.00134 | 0.10 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.75Ta0.25CoSn0.9Sb0.1 | 430 | -120 | 116028 | 4.49 | 0.00167 | 0.16 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.75Ta0.25CoSn0.9Sb0.1 | 530 | -134 | 105957 | 4.35 | 0.00190 | 0.23 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.75Ta0.25CoSn0.9Sb0.1 | 628 | -149 | 96028 | 4.19 | 0.00214 | 0.32 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.75Ta0.25CoSn0.9Sb0.1 | 728 | -161 | 87234 | 3.91 | 0.00226 | 0.42 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.75Ta0.25CoSn0.9Sb0.1 | 826 | -173 | 80426 | 3.72 | 0.00240 | 0.53 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.75Ta0.25CoSn0.9Sb0.1 | 924 | -182 | 73475 | 3.56 | 0.00243 | 0.63 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.85Ta0.15CoSn0.9Sb0.1 | 338 | -103 | 125957 | 4.98 | 0.00134 | 0.09 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.85Ta0.15CoSn0.9Sb0.1 | 430 | -114 | 121135 | 4.80 | 0.00159 | 0.14 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.85Ta0.15CoSn0.9Sb0.1 | 530 | -130 | 111915 | 4.70 | 0.00190 | 0.21 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.85Ta0.15CoSn0.9Sb0.1 | 628 | -143 | 102837 | 4.43 | 0.00211 | 0.30 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.85Ta0.15CoSn0.9Sb0.1 | 728 | -154 | 93617 | 4.26 | 0.00222 | 0.38 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.85Ta0.15CoSn0.9Sb0.1 | 826 | -163 | 85957 | 4.12 | 0.00229 | 0.46 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.85Ta0.15CoSn0.9Sb0.1 | 924 | -171 | 78865 | 3.96 | 0.00231 | 0.54 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.8Ta0.2CoSn0.9Sb0.1 | 338 | -104 | 122979 | 4.92 | 0.00134 | 0.09 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.8Ta0.2CoSn0.9Sb0.1 | 430 | -116 | 118156 | 4.73 | 0.00159 | 0.15 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.8Ta0.2CoSn0.9Sb0.1 | 530 | -131 | 109078 | 4.49 | 0.00188 | 0.22 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.8Ta0.2CoSn0.9Sb0.1 | 628 | -145 | 99574 | 4.35 | 0.00210 | 0.30 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.8Ta0.2CoSn0.9Sb0.1 | 728 | -156 | 90364 | 4.19 | 0.00220 | 0.38 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.8Ta0.2CoSn0.9Sb0.1 | 826 | -165 | 82411 | 4.00 | 0.00225 | 0.46 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.8Ta0.2CoSn0.9Sb0.1 | 924 | -174 | 74894 | 3.86 | 0.00226 | 0.54 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.95Ta0.05CoSn0.9Sb0.1 | 338 | -89 | 140000 | 5.56 | 0.00112 | 0.07 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.95Ta0.05CoSn0.9Sb0.1 | 430 | -103 | 135035 | 5.25 | 0.00143 | 0.12 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.95Ta0.05CoSn0.9Sb0.1 | 530 | -119 | 127092 | 4.96 | 0.00180 | 0.19 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.95Ta0.05CoSn0.9Sb0.1 | 628 | -133 | 117021 | 4.77 | 0.00208 | 0.27 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.95Ta0.05CoSn0.9Sb0.1 | 728 | -145 | 106099 | 4.55 | 0.00224 | 0.36 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.95Ta0.05CoSn0.9Sb0.1 | 826 | -157 | 97440 | 4.34 | 0.00240 | 0.46 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.95Ta0.05CoSn0.9Sb0.1 | 924 | -167 | 88227 | 4.24 | 0.00246 | 0.54 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.9Ta0.1CoSn0.9Sb0.1 | 338 | -101 | 134326 | 5.32 | 0.00137 | 0.09 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.9Ta0.1CoSn0.9Sb0.1 | 430 | -111 | 129362 | 5.02 | 0.00160 | 0.14 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.9Ta0.1CoSn0.9Sb0.1 | 530 | -126 | 121135 | 4.81 | 0.00192 | 0.21 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.9Ta0.1CoSn0.9Sb0.1 | 628 | -139 | 112199 | 4.54 | 0.00217 | 0.30 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.9Ta0.1CoSn0.9Sb0.1 | 728 | -151 | 101135 | 4.35 | 0.00230 | 0.39 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.9Ta0.1CoSn0.9Sb0.1 | 826 | -163 | 90496 | 4.21 | 0.00241 | 0.47 | https://doi.org/10.1021/acsaem.1c02293 |
| Nb0.9Ta0.1CoSn0.9Sb0.1 | 924 | -174 | 83900 | 4.09 | 0.00254 | 0.57 | https://doi.org/10.1021/acsaem.1c02293 |
| NbCoSn0.9Sb0.1 | 338 | -86 | 149078 | 6.71 | 0.00109 | 0.06 | https://doi.org/10.1021/acsaem.1c02293 |
| NbCoSn0.9Sb0.1 | 430 | -100 | 140000 | 6.18 | 0.00139 | 0.10 | https://doi.org/10.1021/acsaem.1c02293 |
| NbCoSn0.9Sb0.1 | 530 | -115 | 130000 | 5.79 | 0.00172 | 0.16 | https://doi.org/10.1021/acsaem.1c02293 |
| NbCoSn0.9Sb0.1 | 628 | -129 | 120993 | 5.40 | 0.00202 | 0.24 | https://doi.org/10.1021/acsaem.1c02293 |
| NbCoSn0.9Sb0.1 | 728 | -140 | 110000 | 5.06 | 0.00216 | 0.31 | https://doi.org/10.1021/acsaem.1c02293 |
| NbCoSn0.9Sb0.1 | 826 | -153 | 99858 | 4.77 | 0.00235 | 0.41 | https://doi.org/10.1021/acsaem.1c02293 |
| NbCoSn0.9Sb0.1 | 924 | -160 | 90780 | 4.53 | 0.00232 | 0.47 | https://doi.org/10.1021/acsaem.1c02293 |
| Sn1.03Se0.08Te0.92 | 323 | 13 | 557018 | 6.31 | 0.00009 | 0.00 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.08Te0.92 | 423 | 26 | 387719 | 5.43 | 0.00027 | 0.02 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.08Te0.92 | 523 | 49 | 258772 | 4.38 | 0.00063 | 0.07 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.08Te0.92 | 623 | 92 | 154386 | 3.44 | 0.00129 | 0.23 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.08Te0.92 | 723 | 130 | 89474 | 2.70 | 0.00151 | 0.40 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.08Te0.92 | 823 | 157 | 65800 | 2.52 | 0.00163 | 0.54 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.865Br0.015 | 323 | 18 | 492105 | 4.58 | 0.00018 | 0.01 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.865Br0.015 | 423 | 32 | 355263 | 3.88 | 0.00036 | 0.04 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.865Br0.015 | 523 | 56 | 243860 | 3.10 | 0.00076 | 0.14 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.865Br0.015 | 623 | 103 | 140351 | 2.43 | 0.00148 | 0.41 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.865Br0.015 | 723 | 144 | 80702 | 2.08 | 0.00168 | 0.57 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.865Br0.015 | 823 | 165 | 63158 | 2.11 | 0.00171 | 0.67 | https://doi.org/10.1021/acsaem.1c02442 |

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|---|---|---|---|---|---|---|---|
| Sn1.03Se0.12Te0.875Br0.005 | 323 | 21 | 561404 | 4.96 | 0.00025 | 0.02 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.875Br0.005 | 423 | 35 | 390351 | 4.20 | 0.00047 | 0.05 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.875Br0.005 | 523 | 63 | 256140 | 3.34 | 0.00085 | 0.15 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.875Br0.005 | 623 | 120 | 145614 | 2.60 | 0.00170 | 0.46 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.875Br0.005 | 723 | 151 | 84211 | 2.18 | 0.00184 | 0.61 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.875Br0.005 | 823 | 163 | 66667 | 2.20 | 0.00177 | 0.66 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.87Br0.01 | 323 | 21 | 609649 | 4.61 | 0.00026 | 0.02 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.87Br0.01 | 423 | 33 | 450000 | 3.92 | 0.00050 | 0.05 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.87Br0.01 | 523 | 56 | 324561 | 3.20 | 0.00080 | 0.14 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.87Br0.01 | 623 | 103 | 200000 | 2.51 | 0.00164 | 0.45 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.87Br0.01 | 723 | 144 | 110526 | 2.11 | 0.00200 | 0.68 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.87Br0.01 | 823 | 165 | 80802 | 2.17 | 0.00191 | 0.75 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.88 | 323 | 14 | 528947 | 5.16 | 0.00010 | 0.01 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.88 | 423 | 27 | 369298 | 4.46 | 0.00026 | 0.02 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.88 | 523 | 50 | 247500 | 3.65 | 0.00061 | 0.09 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.88 | 623 | 88 | 150000 | 2.89 | 0.00117 | 0.25 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.88 | 723 | 135 | 85088 | 2.30 | 0.00155 | 0.49 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.12Te0.88 | 823 | 153 | 64050 | 2.23 | 0.00149 | 0.55 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.15Te0.85 | 323 | 11 | 517391 | 4.87 | 0.00006 | 0.00 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.15Te0.85 | 423 | 26 | 361739 | 4.28 | 0.00024 | 0.02 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.15Te0.85 | 523 | 49 | 242609 | 3.53 | 0.00058 | 0.09 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.15Te0.85 | 623 | 89 | 144737 | 2.79 | 0.00114 | 0.26 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.15Te0.85 | 723 | 130 | 85088 | 2.25 | 0.00143 | 0.46 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Se0.15Te0.85 | 823 | 149 | 63158 | 2.17 | 0.00141 | 0.53 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Te | 323 | 14 | 634211 | 9.18 | 0.00013 | 0.00 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Te | 423 | 27 | 434211 | 7.86 | 0.00032 | 0.02 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Te | 523 | 49 | 286957 | 6.28 | 0.00068 | 0.06 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Te | 623 | 86 | 173900 | 4.95 | 0.00128 | 0.16 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Te | 723 | 127 | 98200 | 3.70 | 0.00158 | 0.31 | https://doi.org/10.1021/acsaem.1c02442 |
| Sn1.03Te | 823 | 149 | 70200 | 2.86 | 0.00156 | 0.45 | https://doi.org/10.1021/acsaem.1c02442 |
| (Ag0.05Sb0.05Sn0.9)(S0.05Se0.05Te0.9) | 303 | 49 | 273832 | 3.39 | 0.00067 | 0.06 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.05Sb0.05Sn0.9)(S0.05Se0.05Te0.9) | 434 | 68 | 201869 | 3.18 | 0.00094 | 0.13 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.05Sb0.05Sn0.9)(S0.05Se0.05Te0.9) | 594 | 107 | 137383 | 2.50 | 0.00157 | 0.37 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.05Sb0.05Sn0.9)(S0.05Se0.05Te0.9) | 755 | 140 | 101800 | 2.15 | 0.00200 | 0.70 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.05Sb0.05Sn0.9)(S0.05Se0.05Te0.9) | 823 | 147 | 95413 | 2.07 | 0.00205 | 0.80 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.15Sb0.15Sn0.7)(S0.15Se0.15Te0.7) | 303 | 77 | 81308 | 1.27 | 0.00048 | 0.12 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.15Sb0.15Sn0.7)(S0.15Se0.15Te0.7) | 432 | 113 | 64206 | 1.19 | 0.00082 | 0.30 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.15Sb0.15Sn0.7)(S0.15Se0.15Te0.7) | 593 | 138 | 53271 | 1.07 | 0.00101 | 0.56 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.15Sb0.15Sn0.7)(S0.15Se0.15Te0.7) | 753 | 144 | 55140 | 1.19 | 0.00114 | 0.72 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.15Sb0.15Sn0.7)(S0.15Se0.15Te0.7) | 823 | 141 | 61700 | 1.27 | 0.00122 | 0.79 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.1Sb0.1Sn0.8)(S0.1Se0.1Te0.8) | 303 | 61 | 145794 | 1.81 | 0.00054 | 0.09 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.1Sb0.1Sn0.8)(S0.1Se0.1Te0.8) | 434 | 98 | 112150 | 1.70 | 0.00108 | 0.27 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.1Sb0.1Sn0.8)(S0.1Se0.1Te0.8) | 593 | 130 | 82710 | 1.39 | 0.00140 | 0.59 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.1Sb0.1Sn0.8)(S0.1Se0.1Te0.8) | 755 | 146 | 71963 | 1.43 | 0.00154 | 0.81 | https://doi.org/10.1021/acsaem.1c02448 |
| (Ag0.1Sb0.1Sn0.8)(S0.1Se0.1Te0.8) | 825 | 149 | 79907 | 1.50 | 0.00176 | 0.97 | https://doi.org/10.1021/acsaem.1c02448 |
| Bi0.825Ba0.175CuSeO | 319 | 151 | 24279 | 0.77 | 0.00077 | 0.32 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.825Ba0.175CuSeO | 420 | 163 | 19519 | 0.68 | 0.00071 | 0.44 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.825Ba0.175CuSeO | 522 | 177 | 16058 | 0.63 | 0.00071 | 0.54 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.825Ba0.175CuSeO | 623 | 192 | 13413 | 0.60 | 0.00069 | 0.63 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.825Ba0.175CuSeO | 725 | 201 | 11635 | 0.59 | 0.00067 | 0.69 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.825Ba0.175CuSeO | 825 | 209 | 10577 | 0.55 | 0.00066 | 0.78 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.875Ba0.125CuSeO | 319 | 175 | 18942 | 0.96 | 0.00058 | 0.19 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.875Ba0.125CuSeO | 420 | 178 | 15000 | 0.86 | 0.00053 | 0.26 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.875Ba0.125CuSeO | 522 | 193 | 12452 | 0.78 | 0.00049 | 0.33 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.875Ba0.125CuSeO | 623 | 207 | 10770 | 0.74 | 0.00048 | 0.40 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.875Ba0.125CuSeO | 725 | 213 | 9471 | 0.72 | 0.00048 | 0.48 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.875Ba0.125CuSeO | 825 | 201 | 8702 | 0.69 | 0.00046 | 0.55 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.8Ba0.2CuSeO | 319 | 178 | 22596 | 0.89 | 0.00075 | 0.27 | https://doi.org/10.1021/acsaem.1c02720 |

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|---|---|---|---|---|---|---|---|
| Bi0.8Ba0.2CuSeO | 420 | 180 | 17500 | 0.80 | 0.00070 | 0.37 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.8Ba0.2CuSeO | 522 | 190 | 13510 | 0.74 | 0.00065 | 0.46 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.8Ba0.2CuSeO | 623 | 202 | 11731 | 0.71 | 0.00061 | 0.54 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.8Ba0.2CuSeO | 725 | 211 | 10673 | 0.69 | 0.00058 | 0.61 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.8Ba0.2CuSeO | 825 | 219 | 10000 | 0.69 | 0.00057 | 0.68 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.95Ba0.05CuSeO | 319 | 232 | 6796 | 0.93 | 0.00037 | 0.13 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.95Ba0.05CuSeO | 420 | 252 | 5000 | 0.77 | 0.00032 | 0.17 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.95Ba0.05CuSeO | 522 | 264 | 4275 | 0.70 | 0.00030 | 0.22 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.95Ba0.05CuSeO | 623 | 273 | 4130 | 0.65 | 0.00031 | 0.30 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.95Ba0.05CuSeO | 725 | 281 | 4175 | 0.63 | 0.00033 | 0.38 | https://doi.org/10.1021/acsaem.1c02720 |
| Bi0.95Ba0.05CuSeO | 825 | 290 | 3930 | 0.60 | 0.00033 | 0.45 | https://doi.org/10.1021/acsaem.1c02720 |
| BiCuSeO | 319 | 428 | 777 | 0.78 | 0.00014 | 0.06 | https://doi.org/10.1021/acsaem.1c02720 |
| BiCuSeO | 420 | 421 | 874 | 0.69 | 0.00016 | 0.09 | https://doi.org/10.1021/acsaem.1c02720 |
| BiCuSeO | 522 | 398 | 971 | 0.58 | 0.00015 | 0.14 | https://doi.org/10.1021/acsaem.1c02720 |
| BiCuSeO | 623 | 359 | 1699 | 0.55 | 0.00022 | 0.25 | https://doi.org/10.1021/acsaem.1c02720 |
| BiCuSeO | 725 | 319 | 2864 | 0.54 | 0.00029 | 0.36 | https://doi.org/10.1021/acsaem.1c02720 |
| BiCuSeO | 825 | 321 | 2816 | 0.53 | 0.00029 | 0.40 | https://doi.org/10.1021/acsaem.1c02720 |
| Ag0.01Cu1.965S0.5Se0.5 | 300 | 120 | 5147 | 0.45 | 0.00007 | 0.05 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.01Cu1.965S0.5Se0.5 | 375 | 136 | 7059 | 0.62 | 0.00013 | 0.08 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.01Cu1.965S0.5Se0.5 | 475 | 121 | 10221 | 0.73 | 0.00015 | 0.10 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.01Cu1.965S0.5Se0.5 | 578 | 112 | 37426 | 0.92 | 0.00047 | 0.31 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.01Cu1.965S0.5Se0.5 | 673 | 169 | 38529 | 0.91 | 0.00110 | 0.82 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.01Cu1.965S0.5Se0.5 | 772 | 192 | 32500 | 0.90 | 0.00120 | 1.03 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.02Cu1.955S0.5Se0.5 | 300 | 141 | 4191 | 0.45 | 0.00008 | 0.06 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.02Cu1.955S0.5Se0.5 | 375 | 151 | 5809 | 0.63 | 0.00014 | 0.08 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.02Cu1.955S0.5Se0.5 | 475 | 136 | 7279 | 0.69 | 0.00019 | 0.13 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.02Cu1.955S0.5Se0.5 | 578 | 150 | 24853 | 0.84 | 0.00076 | 0.52 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.02Cu1.955S0.5Se0.5 | 673 | 181 | 27574 | 0.83 | 0.00113 | 0.91 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.02Cu1.955S0.5Se0.5 | 772 | 206 | 23088 | 0.76 | 0.00119 | 1.21 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.03Cu1.945S0.5Se0.5 | 300 | 145 | 3235 | 0.31 | 0.00007 | 0.06 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.03Cu1.945S0.5Se0.5 | 375 | 155 | 4706 | 0.60 | 0.00011 | 0.07 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.03Cu1.945S0.5Se0.5 | 475 | 166 | 6176 | 0.67 | 0.00017 | 0.08 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.03Cu1.945S0.5Se0.5 | 578 | 168 | 26397 | 0.90 | 0.00061 | 0.40 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.03Cu1.945S0.5Se0.5 | 673 | 202 | 26176 | 0.82 | 0.00085 | 0.70 | https://doi.org/10.1021/acsaem.1c03064 |
| Ag0.03Cu1.945S0.5Se0.5 | 772 | 228 | 22426 | 0.76 | 0.00095 | 0.90 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.95S0.5Se0.5 | 300 | 63 | 33861 | 0.61 | 0.00013 | 0.07 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.95S0.5Se0.5 | 375 | 72 | 31634 | 1.01 | 0.00016 | 0.06 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.95S0.5Se0.5 | 475 | 74 | 49010 | 1.27 | 0.00027 | 0.10 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.95S0.5Se0.5 | 578 | 101 | 76634 | 1.40 | 0.00078 | 0.32 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.95S0.5Se0.5 | 673 | 125 | 66980 | 1.30 | 0.00104 | 0.54 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.95S0.5Se0.5 | 772 | 147 | 55990 | 1.27 | 0.00120 | 0.74 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.975S0.5Se0.5 | 300 | 99 | 15891 | 0.50 | 0.00016 | 0.09 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.975S0.5Se0.5 | 375 | 108 | 15000 | 0.67 | 0.00018 | 0.10 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.975S0.5Se0.5 | 475 | 103 | 14926 | 0.73 | 0.00016 | 0.10 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.975S0.5Se0.5 | 578 | 133 | 39208 | 0.90 | 0.00070 | 0.45 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.975S0.5Se0.5 | 673 | 160 | 38020 | 0.90 | 0.00097 | 0.73 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.975S0.5Se0.5 | 772 | 186 | 31800 | 0.87 | 0.00110 | 0.97 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.99S0.5Se0.5 | 300 | 154 | 3564 | 0.41 | 0.00008 | 0.06 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.99S0.5Se0.5 | 375 | 168 | 3861 | 0.52 | 0.00011 | 0.08 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.99S0.5Se0.5 | 475 | 159 | 3564 | 0.55 | 0.00009 | 0.08 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.99S0.5Se0.5 | 578 | 153 | 10396 | 0.65 | 0.00024 | 0.22 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.99S0.5Se0.5 | 673 | 220 | 15000 | 0.68 | 0.00073 | 0.72 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu1.99S0.5Se0.5 | 772 | 243 | 12772 | 0.65 | 0.00076 | 0.89 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu2S0.5Se0.5 | 300 | 172 | 1485 | 0.45 | 0.00004 | 0.03 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu2S0.5Se0.5 | 375 | 216 | 1490 | 0.54 | 0.00007 | 0.05 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu2S0.5Se0.5 | 475 | 214 | 1634 | 0.55 | 0.00007 | 0.06 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu2S0.5Se0.5 | 578 | 186 | 4158 | 0.64 | 0.00014 | 0.13 | https://doi.org/10.1021/acsaem.1c03064 |
| Cu2S0.5Se0.5 | 673 | 260 | 8168 | 0.74 | 0.00055 | 0.50 | https://doi.org/10.1021/acsaem.1c03064 |

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|---|---|---|---|---|---|---|---|
| Cu2S0.5Se0.5 | 772 | 287 | 6980 | 0.68 | 0.00058 | 0.65 | https://doi.org/10.1021/acsaem.1c03064 |
| (SnTe)10Sb2Te3 | 323 | 75 | 192500 | 2.37 | 0.00108 | 0.15 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)10Sb2Te3 | 423 | 103 | 153125 | 2.19 | 0.00162 | 0.31 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)10Sb2Te3 | 523 | 136 | 117848 | 1.90 | 0.00216 | 0.60 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)10Sb2Te3 | 623 | 168 | 87722 | 1.67 | 0.00247 | 0.92 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)10Sb2Te3 | 673 | 179 | 78800 | 1.62 | 0.00251 | 1.04 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)10Sb2Te3 | 723 | 178 | 77080 | 1.66 | 0.00244 | 1.06 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)10Sb2Te3 | 773 | 177 | 77100 | 1.76 | 0.00243 | 1.07 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)12Sb2Te3 | 323 | 64 | 224000 | 2.91 | 0.00092 | 0.10 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)12Sb2Te3 | 423 | 85 | 181125 | 2.70 | 0.00130 | 0.20 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)12Sb2Te3 | 523 | 113 | 140000 | 2.33 | 0.00180 | 0.40 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)12Sb2Te3 | 623 | 144 | 105000 | 2.00 | 0.00216 | 0.67 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)12Sb2Te3 | 673 | 157 | 93000 | 1.90 | 0.00228 | 0.81 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)12Sb2Te3 | 723 | 163 | 87700 | 1.88 | 0.00232 | 0.88 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)12Sb2Te3 | 773 | 164 | 85900 | 1.95 | 0.00231 | 0.92 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)15Sb2Te3 | 323 | 55 | 293376 | 3.54 | 0.00090 | 0.08 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)15Sb2Te3 | 423 | 74 | 228000 | 3.30 | 0.00126 | 0.16 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)15Sb2Te3 | 523 | 100 | 170625 | 2.88 | 0.00172 | 0.31 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)15Sb2Te3 | 623 | 131 | 124937 | 2.39 | 0.00215 | 0.56 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)15Sb2Te3 | 673 | 147 | 105443 | 2.18 | 0.00228 | 0.70 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)15Sb2Te3 | 723 | 157 | 93924 | 2.11 | 0.00231 | 0.79 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)15Sb2Te3 | 773 | 162 | 90380 | 2.13 | 0.00236 | 0.86 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)20Sb2Te3 | 323 | 47 | 296943 | 4.24 | 0.00067 | 0.05 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)20Sb2Te3 | 423 | 64 | 237197 | 3.98 | 0.00096 | 0.10 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)20Sb2Te3 | 523 | 87 | 186370 | 3.42 | 0.00142 | 0.22 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)20Sb2Te3 | 623 | 118 | 136400 | 2.81 | 0.00188 | 0.42 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)20Sb2Te3 | 673 | 136 | 114304 | 2.51 | 0.00210 | 0.56 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)20Sb2Te3 | 723 | 149 | 100127 | 2.37 | 0.00224 | 0.68 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)20Sb2Te3 | 773 | 157 | 93900 | 2.31 | 0.00230 | 0.77 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)25Sb2Te3 | 323 | 44 | 352625 | 4.28 | 0.00070 | 0.05 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)25Sb2Te3 | 423 | 61 | 278250 | 4.00 | 0.00102 | 0.11 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)25Sb2Te3 | 523 | 84 | 213500 | 3.46 | 0.00150 | 0.23 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)25Sb2Te3 | 623 | 115 | 159250 | 2.81 | 0.00209 | 0.46 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)25Sb2Te3 | 673 | 132 | 133797 | 2.54 | 0.00220 | 0.58 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)25Sb2Te3 | 723 | 150 | 115190 | 2.31 | 0.00224 | 0.68 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)25Sb2Te3 | 773 | 162 | 105000 | 2.17 | 0.00227 | 0.78 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)40Sb2Te3 | 323 | 35 | 392357 | 5.53 | 0.00049 | 0.03 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)40Sb2Te3 | 423 | 47 | 312102 | 5.09 | 0.00069 | 0.06 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)40Sb2Te3 | 523 | 66 | 235414 | 4.39 | 0.00104 | 0.12 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)40Sb2Te3 | 623 | 93 | 172994 | 3.56 | 0.00150 | 0.26 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)40Sb2Te3 | 673 | 110 | 143567 | 3.16 | 0.00175 | 0.37 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)40Sb2Te3 | 723 | 129 | 119500 | 2.80 | 0.00200 | 0.52 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)40Sb2Te3 | 773 | 144 | 105875 | 2.59 | 0.00218 | 0.65 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)8Sb2Te3 | 323 | 90 | 147875 | 2.05 | 0.00118 | 0.19 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)8Sb2Te3 | 423 | 120 | 117848 | 1.89 | 0.00170 | 0.38 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)8Sb2Te3 | 523 | 148 | 93924 | 1.71 | 0.00207 | 0.63 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)8Sb2Te3 | 623 | 171 | 77100 | 1.65 | 0.00225 | 0.85 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)8Sb2Te3 | 673 | 176 | 72700 | 1.66 | 0.00224 | 0.91 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)8Sb2Te3 | 723 | 178 | 70886 | 1.73 | 0.00226 | 0.94 | https://doi.org/10.1021/acsaem.1c03231 |
| (SnTe)8Sb2Te3 | 773 | 177 | 71800 | 1.83 | 0.00224 | 0.94 | https://doi.org/10.1021/acsaem.1c03231 |
| SnTe | 323 | 8 | 716051 | 8.59 | 0.00004 | 0.00 | https://doi.org/10.1021/acsaem.1c03231 |
| SnTe | 423 | 19 | 505605 | 7.27 | 0.00019 | 0.01 | https://doi.org/10.1021/acsaem.1c03231 |
| SnTe | 523 | 40 | 320000 | 5.89 | 0.00051 | 0.05 | https://doi.org/10.1021/acsaem.1c03231 |
| SnTe | 623 | 70 | 232739 | 4.56 | 0.00113 | 0.15 | https://doi.org/10.1021/acsaem.1c03231 |
| SnTe | 673 | 88 | 186369 | 3.96 | 0.00146 | 0.25 | https://doi.org/10.1021/acsaem.1c03231 |
| SnTe | 723 | 110 | 148025 | 3.44 | 0.00178 | 0.37 | https://doi.org/10.1021/acsaem.1c03231 |
| SnTe | 773 | 132 | 116815 | 3.03 | 0.00203 | 0.52 | https://doi.org/10.1021/acsaem.1c03231 |
| Cd2Cu3In3Te8 | 335 | 148 | 18310 | 1.92 | 0.00040 | 0.07 | https://doi.org/10.1021/acsaem.9b02004 |

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|---|---|---|---|---|---|---|---|
| Cd2Cu3In3Te8 | 377 | 159 | 17034 | 1.69 | 0.00043 | 0.10 | https://doi.org/10.1021/acsaem.9b02004 |
| Cd2Cu3In3Te8 | 427 | 171 | 15000 | 1.48 | 0.00044 | 0.13 | https://doi.org/10.1021/acsaem.9b02004 |
| Cd2Cu3In3Te8 | 477 | 184 | 13000 | 1.29 | 0.00044 | 0.16 | https://doi.org/10.1021/acsaem.9b02004 |
| Cd2Cu3In3Te8 | 527 | 200 | 11000 | 1.14 | 0.00044 | 0.20 | https://doi.org/10.1021/acsaem.9b02004 |
| Cd2Cu3In3Te8 | 575 | 216 | 9100 | 0.98 | 0.00042 | 0.25 | https://doi.org/10.1021/acsaem.9b02004 |
| Cd2Cu3In3Te8 | 625 | 219 | 8330 | 0.83 | 0.00040 | 0.30 | https://doi.org/10.1021/acsaem.9b02004 |
| Cd2Cu3In3Te8 | 675 | 216 | 8200 | 0.71 | 0.00038 | 0.36 | https://doi.org/10.1021/acsaem.9b02004 |
| Mn2Cu3In3Te8 | 575 | 447 | 170 | 1.21 | 0.00003 | 0.02 | https://doi.org/10.1021/acsaem.9b02004 |
| Mn2Cu3In3Te8 | 625 | 432 | 320 | 1.05 | 0.00006 | 0.04 | https://doi.org/10.1021/acsaem.9b02004 |
| Mn2Cu3In3Te8 | 675 | 415 | 565 | 0.90 | 0.00010 | 0.07 | https://doi.org/10.1021/acsaem.9b02004 |
| Mn2Cu3In3Te8 | 720 | 370 | 1000 | 0.74 | 0.00014 | 0.14 | https://doi.org/10.1021/acsaem.9b02004 |
| Mn2Cu3In3Te8 | 770 | 340 | 1600 | 0.65 | 0.00018 | 0.22 | https://doi.org/10.1021/acsaem.9b02004 |
| Mn2Cu3In3Te8 | 866 | 300 | 2600 | 0.49 | 0.00023 | 0.42 | https://doi.org/10.1021/acsaem.9b02004 |
| Zn2Cu3In3Te8 | 330 | 132 | 20300 | 3.25 | 0.00036 | 0.04 | https://doi.org/10.1021/acsaem.9b02004 |
| Zn2Cu3In3Te8 | 373 | 142 | 19207 | 2.81 | 0.00039 | 0.05 | https://doi.org/10.1021/acsaem.9b02004 |
| Zn2Cu3In3Te8 | 424 | 159 | 17900 | 2.45 | 0.00045 | 0.08 | https://doi.org/10.1021/acsaem.9b02004 |
| Zn2Cu3In3Te8 | 473 | 169 | 16275 | 2.15 | 0.00046 | 0.10 | https://doi.org/10.1021/acsaem.9b02004 |
| Zn2Cu3In3Te8 | 572 | 190 | 13482 | 1.61 | 0.00049 | 0.17 | https://doi.org/10.1021/acsaem.9b02004 |
| Zn2Cu3In3Te8 | 620 | 187 | 13830 | 1.31 | 0.00048 | 0.23 | https://doi.org/10.1021/acsaem.9b02004 |
| Zn2Cu3In3Te8 | 668 | 191 | 12965 | 1.18 | 0.00047 | 0.27 | https://doi.org/10.1021/acsaem.9b02004 |
| Al0.005Sb0.1Ge0.895Te | 323 | 137 | 60964 | 1.53 | 0.00115 | 0.24 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.005Sb0.1Ge0.895Te | 373 | 159 | 55261 | 1.52 | 0.00140 | 0.35 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.005Sb0.1Ge0.895Te | 473 | 204 | 44578 | 1.44 | 0.00186 | 0.61 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.005Sb0.1Ge0.895Te | 573 | 223 | 54699 | 1.42 | 0.00272 | 1.09 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.005Sb0.1Ge0.895Te | 673 | 248 | 57030 | 1.47 | 0.00350 | 1.60 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.005Sb0.1Ge0.895Te | 773 | 253 | 54378 | 1.47 | 0.00349 | 1.79 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.005Sb0.1Ge0.895Te | 823 | 235 | 58795 | 1.52 | 0.00324 | 1.64 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.0075Sb0.1Ge0.8925Te | 323 | 143 | 58474 | 1.43 | 0.00119 | 0.27 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.0075Sb0.1Ge0.8925Te | 373 | 167 | 53333 | 1.49 | 0.00149 | 0.37 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.0075Sb0.1Ge0.8925Te | 473 | 206 | 43534 | 1.42 | 0.00184 | 0.64 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.0075Sb0.1Ge0.8925Te | 573 | 215 | 52450 | 1.43 | 0.00242 | 1.00 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.0075Sb0.1Ge0.8925Te | 673 | 244 | 54699 | 1.46 | 0.00327 | 1.57 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.0075Sb0.1Ge0.8925Te | 773 | 261 | 52048 | 1.46 | 0.00353 | 1.91 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.0075Sb0.1Ge0.8925Te | 823 | 260 | 56305 | 1.51 | 0.00380 | 1.98 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Ge0.99Te | 323 | 34 | 639286 | 6.78 | 0.00075 | 0.04 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Ge0.99Te | 373 | 44 | 539286 | 6.27 | 0.00104 | 0.06 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Ge0.99Te | 473 | 66 | 400000 | 5.24 | 0.00172 | 0.15 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Ge0.99Te | 573 | 94 | 287500 | 4.26 | 0.00255 | 0.34 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Ge0.99Te | 673 | 116 | 250000 | 3.70 | 0.00338 | 0.62 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Ge0.99Te | 773 | 145 | 191071 | 3.06 | 0.00400 | 0.96 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Ge0.99Te | 823 | 156 | 171429 | 2.96 | 0.00419 | 1.05 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Sb0.1Ge0.89Te | 323 | 151 | 54779 | 1.38 | 0.00125 | 0.24 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Sb0.1Ge0.89Te | 373 | 182 | 48755 | 1.42 | 0.00161 | 0.37 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Sb0.1Ge0.89Te | 473 | 232 | 37590 | 1.36 | 0.00202 | 0.62 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Sb0.1Ge0.89Te | 573 | 241 | 46104 | 1.38 | 0.00268 | 1.07 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Sb0.1Ge0.89Te | 673 | 268 | 54165 | 1.40 | 0.00389 | 1.77 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Sb0.1Ge0.89Te | 773 | 262 | 51647 | 1.38 | 0.00355 | 1.96 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.01Sb0.1Ge0.89Te | 823 | 246 | 59277 | 1.43 | 0.00359 | 1.82 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.02Ge0.98Te | 323 | 36 | 583929 | 6.63 | 0.00075 | 0.04 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.02Ge0.98Te | 373 | 48 | 503571 | 6.14 | 0.00114 | 0.07 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.02Ge0.98Te | 473 | 65 | 380357 | 5.25 | 0.00160 | 0.14 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.02Ge0.98Te | 573 | 94 | 287500 | 4.33 | 0.00253 | 0.33 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.02Ge0.98Te | 673 | 118 | 258929 | 3.84 | 0.00363 | 0.64 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.02Ge0.98Te | 773 | 137 | 203571 | 3.23 | 0.00383 | 0.88 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.02Ge0.98Te | 823 | 143 | 178571 | 3.18 | 0.00363 | 0.93 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.03Ge0.97Te | 323 | 38 | 555357 | 6.05 | 0.00078 | 0.04 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.03Ge0.97Te | 373 | 48 | 483929 | 5.63 | 0.00110 | 0.07 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.03Ge0.97Te | 473 | 69 | 375000 | 4.95 | 0.00179 | 0.17 | https://doi.org/10.1021/acsami.1c12282 |

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|---|---|---|---|---|---|---|---|
| Al0.03Ge0.97Te | 573 | 88 | 287500 | 4.31 | 0.00225 | 0.30 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.03Ge0.97Te | 673 | 112 | 262500 | 3.92 | 0.00329 | 0.57 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.03Ge0.97Te | 773 | 129 | 205357 | 3.35 | 0.00342 | 0.77 | https://doi.org/10.1021/acsami.1c12282 |
| Al0.03Ge0.97Te | 823 | 140 | 178571 | 3.20 | 0.00352 | 0.89 | https://doi.org/10.1021/acsami.1c12282 |
| GeTe | 323 | 31 | 712500 | 6.52 | 0.00069 | 0.03 | https://doi.org/10.1021/acsami.1c12282 |
| GeTe | 373 | 43 | 591071 | 6.10 | 0.00109 | 0.07 | https://doi.org/10.1021/acsami.1c12282 |
| GeTe | 473 | 62 | 425000 | 5.09 | 0.00161 | 0.15 | https://doi.org/10.1021/acsami.1c12282 |
| GeTe | 573 | 96 | 294600 | 4.13 | 0.00271 | 0.38 | https://doi.org/10.1021/acsami.1c12282 |
| GeTe | 673 | 135 | 227300 | 3.27 | 0.00411 | 0.85 | https://doi.org/10.1021/acsami.1c12282 |
| GeTe | 773 | 159 | 185500 | 3.03 | 0.00469 | 1.17 | https://doi.org/10.1021/acsami.1c12282 |
| GeTe | 823 | 159 | 169643 | 2.96 | 0.00429 | 1.16 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.05Ge0.95Te | 323 | 67 | 319444 | 3.69 | 0.00142 | 0.12 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.05Ge0.95Te | 373 | 81 | 269725 | 3.49 | 0.00179 | 0.19 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.05Ge0.95Te | 473 | 121 | 189908 | 2.84 | 0.00280 | 0.47 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.05Ge0.95Te | 573 | 156 | 136488 | 2.38 | 0.00333 | 0.80 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.05Ge0.95Te | 673 | 190 | 118349 | 2.22 | 0.00426 | 1.29 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.05Ge0.95Te | 773 | 209 | 90826 | 1.95 | 0.00396 | 1.61 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.05Ge0.95Te | 823 | 207 | 93578 | 1.98 | 0.00403 | 1.67 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.15Ge0.85Te | 323 | 159 | 22018 | 1.20 | 0.00056 | 0.15 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.15Ge0.85Te | 373 | 186 | 20642 | 1.26 | 0.00071 | 0.21 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.15Ge0.85Te | 473 | 223 | 19266 | 1.22 | 0.00096 | 0.35 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.15Ge0.85Te | 573 | 238 | 28349 | 1.31 | 0.00160 | 0.70 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.15Ge0.85Te | 673 | 247 | 40750 | 1.51 | 0.00248 | 1.10 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.15Ge0.85Te | 773 | 265 | 42110 | 1.47 | 0.00296 | 1.55 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.15Ge0.85Te | 823 | 257 | 46300 | 1.58 | 0.00306 | 1.59 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.1Ge0.9Te | 323 | 139 | 63300 | 1.56 | 0.00121 | 0.24 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.1Ge0.9Te | 373 | 171 | 55050 | 1.58 | 0.00161 | 0.38 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.1Ge0.9Te | 473 | 214 | 46789 | 1.47 | 0.00214 | 0.66 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.1Ge0.9Te | 573 | 221 | 55046 | 1.46 | 0.00270 | 1.04 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.1Ge0.9Te | 673 | 240 | 60550 | 1.45 | 0.00349 | 1.59 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.1Ge0.9Te | 773 | 241 | 57798 | 1.55 | 0.00335 | 1.63 | https://doi.org/10.1021/acsami.1c12282 |
| Sb0.1Ge0.9Te | 823 | 236 | 60550 | 1.65 | 0.00338 | 1.70 | https://doi.org/10.1021/acsami.1c12282 |
| Bi0.42Sb1.58Te3 | 323 | 225 | 51064 | 0.93 | 0.00257 | 0.89 | https://doi.org/10.1021/acsami.1c13372 |
| Bi0.42Sb1.58Te3 | 373 | 240 | 38600 | 0.92 | 0.00222 | 0.90 | https://doi.org/10.1021/acsami.1c13372 |
| Bi0.42Sb1.58Te3 | 423 | 236 | 31915 | 0.97 | 0.00178 | 0.78 | https://doi.org/10.1021/acsami.1c13372 |
| Bi0.42Sb1.58Te3 | 473 | 218 | 27930 | 1.12 | 0.00132 | 0.56 | https://doi.org/10.1021/acsami.1c13372 |
| Bi0.42Sb1.58Te3 | 523 | 189 | 26064 | 1.32 | 0.00093 | 0.37 | https://doi.org/10.1021/acsami.1c13372 |
| Bi0.42Sb1.58Te3 | 573 | 155 | 26064 | 1.55 | 0.00063 | 0.23 | https://doi.org/10.1021/acsami.1c13372 |
| Pb0.96Tl0.02Na0.02Te | 301 | 120 | 102249 | 2.16 | 0.00148 | 0.21 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.96Tl0.02Na0.02Te | 397 | 151 | 79763 | 1.80 | 0.00181 | 0.40 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.96Tl0.02Na0.02Te | 497 | 190 | 58640 | 1.46 | 0.00211 | 0.72 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.96Tl0.02Na0.02Te | 597 | 221 | 45914 | 1.15 | 0.00223 | 1.16 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.96Tl0.02Na0.02Te | 696 | 237 | 38860 | 0.94 | 0.00218 | 1.60 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.96Tl0.02Na0.02Te | 798 | 245 | 34006 | 0.80 | 0.00204 | 2.03 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.97Tl0.015Na0.015Te | 301 | 119 | 95296 | 2.14 | 0.00135 | 0.19 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.97Tl0.015Na0.015Te | 397 | 152 | 74339 | 1.77 | 0.00172 | 0.39 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.97Tl0.015Na0.015Te | 497 | 193 | 54450 | 1.41 | 0.00203 | 0.71 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.97Tl0.015Na0.015Te | 597 | 223 | 42792 | 1.14 | 0.00213 | 1.11 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.97Tl0.015Na0.015Te | 696 | 239 | 35684 | 0.93 | 0.00204 | 1.52 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.97Tl0.015Na0.015Te | 798 | 247 | 31811 | 0.81 | 0.00194 | 1.92 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.9825Tl0.0075Na0.01Te | 301 | 106 | 108496 | 2.52 | 0.00122 | 0.15 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.9825Tl0.0075Na0.01Te | 397 | 147 | 85267 | 2.06 | 0.00184 | 0.35 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.9825Tl0.0075Na0.01Te | 497 | 195 | 60854 | 1.61 | 0.00232 | 0.71 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.9825Tl0.0075Na0.01Te | 597 | 230 | 45238 | 1.29 | 0.00239 | 1.10 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.9825Tl0.0075Na0.01Te | 696 | 248 | 37308 | 1.07 | 0.00230 | 1.50 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.9825Tl0.0075Na0.01Te | 798 | 259 | 30881 | 0.88 | 0.00207 | 1.87 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.98Tl0.01Na0.01Te | 301 | 125 | 91454 | 2.29 | 0.00143 | 0.19 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.98Tl0.01Na0.01Te | 397 | 156 | 73245 | 1.92 | 0.00177 | 0.37 | https://doi.org/10.1021/acsami.1c14236 |

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|---|---|---|---|---|---|---|---|
| Pb0.98Tl0.01Na0.01Te | 497 | 193 | 55674 | 1.56 | 0.00208 | 0.66 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.98Tl0.01Na0.01Te | 597 | 223 | 43754 | 1.24 | 0.00218 | 1.05 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.98Tl0.01Na0.01Te | 696 | 238 | 37585 | 1.03 | 0.00213 | 1.44 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.98Tl0.01Na0.01Te | 798 | 246 | 33233 | 0.85 | 0.00202 | 1.89 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Na0.01Te | 301 | 59 | 235400 | 3.89 | 0.00081 | 0.06 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Na0.01Te | 397 | 100 | 157763 | 2.69 | 0.00157 | 0.23 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Na0.01Te | 497 | 164 | 88159 | 1.87 | 0.00237 | 0.63 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Na0.01Te | 597 | 223 | 50935 | 1.36 | 0.00253 | 1.11 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Na0.01Te | 696 | 262 | 33630 | 1.04 | 0.00230 | 1.54 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Na0.01Te | 798 | 279 | 24450 | 0.90 | 0.00191 | 1.69 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.005Na0.005Te | 301 | 115 | 81560 | 2.47 | 0.00108 | 0.13 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.005Na0.005Te | 397 | 159 | 63900 | 1.95 | 0.00162 | 0.33 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.005Na0.005Te | 497 | 212 | 44080 | 1.51 | 0.00199 | 0.65 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.005Na0.005Te | 597 | 254 | 31576 | 1.19 | 0.00204 | 1.02 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.005Na0.005Te | 696 | 273 | 25373 | 0.98 | 0.00189 | 1.34 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.005Na0.005Te | 798 | 278 | 21238 | 0.94 | 0.00164 | 1.40 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.01Te | 301 | 120 | 59076 | 2.26 | 0.00085 | 0.11 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.01Te | 397 | 168 | 47296 | 1.82 | 0.00133 | 0.29 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.01Te | 497 | 218 | 36622 | 1.46 | 0.00173 | 0.59 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.01Te | 597 | 258 | 28888 | 1.16 | 0.00193 | 0.99 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.01Te | 696 | 274 | 23824 | 0.96 | 0.00178 | 1.29 | https://doi.org/10.1021/acsami.1c14236 |
| Pb0.99Tl0.01Te | 798 | 277 | 20541 | 0.87 | 0.00157 | 1.44 | https://doi.org/10.1021/acsami.1c14236 |
| TiNiSn | 323 | -83 | 60470 | 4.38 | 0.00041 | 0.03 | https://doi.org/10.1021/acsami.1c14723 |
| TiNiSn | 424 | -114 | 69767 | 4.10 | 0.00091 | 0.11 | https://doi.org/10.1021/acsami.1c14723 |
| TiNiSn | 526 | -145 | 71938 | 4.05 | 0.00152 | 0.22 | https://doi.org/10.1021/acsami.1c14723 |
| TiNiSn | 630 | -151 | 80620 | 4.02 | 0.00184 | 0.32 | https://doi.org/10.1021/acsami.1c14723 |
| TiNiSn | 735 | -149 | 89147 | 4.14 | 0.00197 | 0.40 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.005NiSn | 323 | -137 | 39385 | 2.93 | 0.00074 | 0.08 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.005NiSn | 423 | -160 | 51077 | 2.67 | 0.00131 | 0.22 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.005NiSn | 522 | -183 | 60000 | 2.58 | 0.00201 | 0.43 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.005NiSn | 626 | -189 | 71800 | 2.68 | 0.00256 | 0.62 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.005NiSn | 729 | -182 | 83721 | 3.02 | 0.00277 | 0.67 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.015NiSn | 323 | -140 | 34615 | 2.57 | 0.00068 | 0.09 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.015NiSn | 423 | -176 | 47231 | 2.38 | 0.00147 | 0.28 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.015NiSn | 522 | -203 | 57077 | 2.37 | 0.00235 | 0.55 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.015NiSn | 626 | -208 | 69147 | 2.46 | 0.00299 | 0.78 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.015NiSn | 729 | -201 | 81085 | 2.74 | 0.00327 | 0.89 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.025NiSn | 323 | -156 | 27385 | 3.08 | 0.00066 | 0.07 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.025NiSn | 424 | -180 | 40630 | 2.78 | 0.00132 | 0.21 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.025NiSn | 526 | -191 | 54620 | 2.68 | 0.00200 | 0.41 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.025NiSn | 630 | -193 | 65846 | 2.69 | 0.00246 | 0.59 | https://doi.org/10.1021/acsami.1c14723 |
| TiZr0.025NiSn | 736 | -187 | 74462 | 2.99 | 0.00259 | 0.65 | https://doi.org/10.1021/acsami.1c14723 |
| (GeTe)0.7(AgSnSe2)0.3 | 323 | 30 | 68387 | 1.23 | 0.00006 | 0.02 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.7(AgSnSe2)0.3 | 423 | 36 | 67097 | 1.38 | 0.00009 | 0.03 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.7(AgSnSe2)0.3 | 523 | 44 | 61935 | 1.38 | 0.00012 | 0.05 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.7(AgSnSe2)0.3 | 623 | 54 | 65800 | 1.34 | 0.00019 | 0.09 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.8(AgSnSe2)0.2 | 323 | 30 | 223226 | 2.03 | 0.00021 | 0.03 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.8(AgSnSe2)0.2 | 423 | 37 | 223220 | 2.31 | 0.00031 | 0.06 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.8(AgSnSe2)0.2 | 523 | 45 | 216700 | 2.60 | 0.00043 | 0.09 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.8(AgSnSe2)0.2 | 623 | 56 | 185806 | 2.51 | 0.00058 | 0.14 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.9(AgSnSe2)0.1 | 323 | 35 | 301935 | 2.71 | 0.00036 | 0.04 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.9(AgSnSe2)0.1 | 423 | 47 | 276129 | 2.99 | 0.00060 | 0.08 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.9(AgSnSe2)0.1 | 523 | 53 | 291613 | 3.52 | 0.00083 | 0.12 | https://doi.org/10.1021/acsami.1c14801 |
| (GeTe)0.9(AgSnSe2)0.1 | 623 | 63 | 236129 | 3.19 | 0.00095 | 0.18 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.55Sb0.25Te0.8(AgSnSe2)0.2 | 323 | 168 | 34839 | 0.76 | 0.00100 | 0.43 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.55Sb0.25Te0.8(AgSnSe2)0.2 | 423 | 189 | 33548 | 0.76 | 0.00120 | 0.67 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.55Sb0.25Te0.8(AgSnSe2)0.2 | 523 | 216 | 27750 | 0.72 | 0.00129 | 0.97 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.55Sb0.25Te0.8(AgSnSe2)0.2 | 623 | 210 | 25806 | 0.74 | 0.00128 | 1.09 | https://doi.org/10.1021/acsami.1c14801 |

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|---|---|---|---|---|---|---|---|
| Ge0.55Sb0.25Te0.8(AgSnSe2)0.2 | 723 | 191 | 37419 | 0.88 | 0.00142 | 1.19 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.58Sb0.22Te0.8(AgSnSe2)0.2 | 323 | 152 | 43900 | 0.74 | 0.00101 | 0.44 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.58Sb0.22Te0.8(AgSnSe2)0.2 | 423 | 179 | 41290 | 0.74 | 0.00132 | 0.77 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.58Sb0.22Te0.8(AgSnSe2)0.2 | 523 | 206 | 34800 | 0.69 | 0.00148 | 1.13 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.58Sb0.22Te0.8(AgSnSe2)0.2 | 623 | 208 | 35500 | 0.71 | 0.00154 | 1.37 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.58Sb0.22Te0.8(AgSnSe2)0.2 | 723 | 181 | 51620 | 0.86 | 0.00170 | 1.43 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.6Sb0.2Te0.8(AgSnSe2)0.2 | 323 | 137 | 56774 | 0.83 | 0.00107 | 0.42 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.6Sb0.2Te0.8(AgSnSe2)0.2 | 423 | 159 | 54194 | 0.84 | 0.00137 | 0.69 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.6Sb0.2Te0.8(AgSnSe2)0.2 | 523 | 187 | 42600 | 0.81 | 0.00153 | 1.01 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.6Sb0.2Te0.8(AgSnSe2)0.2 | 623 | 198 | 38710 | 0.79 | 0.00158 | 1.28 | https://doi.org/10.1021/acsami.1c14801 |
| Ge0.6Sb0.2Te0.8(AgSnSe2)0.2 | 723 | 176 | 55484 | 0.93 | 0.00171 | 1.37 | https://doi.org/10.1021/acsami.1c14801 |
| GeTe | 323 | 40 | 681529 | 5.88 | 0.00108 | 0.06 | https://doi.org/10.1021/acsami.1c14801 |
| GeTe | 423 | 53 | 512821 | 5.06 | 0.00146 | 0.12 | https://doi.org/10.1021/acsami.1c14801 |
| GeTe | 523 | 80 | 371613 | 4.11 | 0.00238 | 0.30 | https://doi.org/10.1021/acsami.1c14801 |
| GeTe | 623 | 102 | 320000 | 3.93 | 0.00336 | 0.53 | https://doi.org/10.1021/acsami.1c14801 |
| Sn0.91Mn0.09Te | 331 | 59 | 300000 | 3.93 | 0.00104 | 0.09 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te | 424 | 75 | 235503 | 3.67 | 0.00132 | 0.15 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te | 524 | 95 | 175148 | 3.29 | 0.00157 | 0.25 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te | 622 | 113 | 134911 | 3.00 | 0.00171 | 0.35 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te | 720 | 140 | 106509 | 2.58 | 0.00208 | 0.58 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te | 769 | 159 | 94675 | 2.38 | 0.00239 | 0.77 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 331 | 57 | 233846 | 3.53 | 0.00075 | 0.07 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 424 | 78 | 186667 | 3.18 | 0.00115 | 0.15 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 524 | 106 | 137949 | 2.75 | 0.00156 | 0.30 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 622 | 139 | 104615 | 2.41 | 0.00201 | 0.52 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 720 | 174 | 76410 | 1.92 | 0.00232 | 0.87 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 818 | 202 | 53333 | 1.56 | 0.00218 | 1.14 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 867 | 214 | 47179 | 1.53 | 0.00216 | 1.22 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.97I0.03 | 891 | 215 | 44615 | 1.55 | 0.00207 | 1.19 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 331 | 59 | 223590 | 3.37 | 0.00079 | 0.08 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 424 | 81 | 178974 | 3.02 | 0.00117 | 0.16 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 524 | 107 | 130256 | 2.57 | 0.00150 | 0.31 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 622 | 134 | 103077 | 2.28 | 0.00184 | 0.50 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 720 | 165 | 78974 | 1.80 | 0.00215 | 0.86 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 818 | 202 | 54872 | 1.49 | 0.00224 | 1.23 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 867 | 212 | 46154 | 1.47 | 0.00207 | 1.22 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.98I0.02 | 891 | 214 | 43077 | 1.48 | 0.00197 | 1.19 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 331 | 62 | 241538 | 3.76 | 0.00092 | 0.08 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 424 | 82 | 194872 | 3.46 | 0.00131 | 0.16 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 524 | 107 | 154872 | 3.05 | 0.00176 | 0.30 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 622 | 132 | 122564 | 2.87 | 0.00215 | 0.47 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 720 | 162 | 91795 | 2.27 | 0.00240 | 0.76 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 818 | 198 | 66154 | 1.80 | 0.00261 | 1.19 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 867 | 214 | 56410 | 1.64 | 0.00259 | 1.37 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.91Mn0.09Te0.99I0.01 | 891 | 219 | 51282 | 1.60 | 0.00246 | 1.37 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.95Mn0.05Te | 332 | 44 | 471006 | 5.66 | 0.00090 | 0.05 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.95Mn0.05Te | 424 | 55 | 375148 | 5.32 | 0.00115 | 0.09 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.95Mn0.05Te | 524 | 70 | 289941 | 4.75 | 0.00142 | 0.16 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.95Mn0.05Te | 622 | 89 | 224852 | 4.11 | 0.00178 | 0.27 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.95Mn0.05Te | 720 | 113 | 169231 | 3.46 | 0.00215 | 0.45 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.95Mn0.05Te | 769 | 126 | 144400 | 3.17 | 0.00230 | 0.56 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.97Mn0.03Te | 331 | 42 | 265089 | 6.34 | 0.00046 | 0.02 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.97Mn0.03Te | 426 | 53 | 357396 | 5.80 | 0.00101 | 0.07 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.97Mn0.03Te | 527 | 70 | 268639 | 5.03 | 0.00131 | 0.14 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.97Mn0.03Te | 625 | 93 | 202367 | 4.22 | 0.00175 | 0.26 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.97Mn0.03Te | 723 | 120 | 146746 | 3.42 | 0.00212 | 0.45 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.97Mn0.03Te | 772 | 138 | 121893 | 3.05 | 0.00232 | 0.59 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.99Mn0.01Te | 332 | 30 | 701775 | 8.46 | 0.00063 | 0.02 | https://doi.org/10.1021/acsami.1c15595 |

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|---|---|---|---|---|---|---|---|
| Sn0.99Mn0.01Te | 424 | 36 | 521893 | 7.51 | 0.00069 | 0.04 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.99Mn0.01Te | 524 | 48 | 383432 | 6.34 | 0.00090 | 0.07 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.99Mn0.01Te | 621 | 69 | 279290 | 5.18 | 0.00134 | 0.16 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.99Mn0.01Te | 719 | 96 | 191716 | 4.11 | 0.00178 | 0.31 | https://doi.org/10.1021/acsami.1c15595 |
| Sn0.99Mn0.01Te | 768 | 113 | 159763 | 3.62 | 0.00203 | 0.43 | https://doi.org/10.1021/acsami.1c15595 |
| SnTe | 330 | 11 | 742012 | 8.07 | 0.00010 | 0.00 | https://doi.org/10.1021/acsami.1c15595 |
| SnTe | 421 | 21 | 553846 | 6.95 | 0.00024 | 0.01 | https://doi.org/10.1021/acsami.1c15595 |
| SnTe | 519 | 38 | 397633 | 5.67 | 0.00056 | 0.05 | https://doi.org/10.1021/acsami.1c15595 |
| SnTe | 616 | 63 | 269822 | 4.43 | 0.00108 | 0.15 | https://doi.org/10.1021/acsami.1c15595 |
| SnTe | 714 | 99 | 177515 | 3.33 | 0.00174 | 0.38 | https://doi.org/10.1021/acsami.1c15595 |
| SnTe | 763 | 120 | 140828 | 2.93 | 0.00204 | 0.53 | https://doi.org/10.1021/acsami.1c15595 |
| (SnTe)0.84(CuSbTe2)0.16 | 325 | 36 | 347593 | 3.94 | 0.00045 | 0.04 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.84(CuSbTe2)0.16 | 432 | 52 | 259589 | 3.79 | 0.00070 | 0.08 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.84(CuSbTe2)0.16 | 529 | 74 | 196271 | 3.06 | 0.00107 | 0.19 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.84(CuSbTe2)0.16 | 625 | 105 | 141200 | 2.46 | 0.00157 | 0.40 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.84(CuSbTe2)0.16 | 719 | 139 | 107240 | 2.09 | 0.00208 | 0.72 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.84(CuSbTe2)0.16 | 818 | 157 | 91351 | 1.71 | 0.00226 | 1.08 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.86(CuSbTe2)0.14 | 324 | 43 | 278383 | 3.39 | 0.00050 | 0.05 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.86(CuSbTe2)0.14 | 432 | 61 | 210400 | 3.16 | 0.00079 | 0.11 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.86(CuSbTe2)0.14 | 524 | 84 | 161100 | 2.81 | 0.00114 | 0.21 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.86(CuSbTe2)0.14 | 625 | 119 | 116900 | 2.29 | 0.00164 | 0.45 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.86(CuSbTe2)0.14 | 723 | 146 | 95550 | 2.11 | 0.00202 | 0.69 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.86(CuSbTe2)0.14 | 818 | 148 | 91300 | 1.83 | 0.00200 | 0.89 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.88(CuSbTe2)0.12 | 323 | 40 | 299153 | 3.52 | 0.00048 | 0.04 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.88(CuSbTe2)0.12 | 427 | 58 | 226651 | 3.21 | 0.00077 | 0.10 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.88(CuSbTe2)0.12 | 525 | 84 | 169964 | 2.77 | 0.00119 | 0.22 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.88(CuSbTe2)0.12 | 622 | 117 | 123839 | 2.24 | 0.00170 | 0.47 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.88(CuSbTe2)0.12 | 726 | 149 | 96764 | 2.05 | 0.00215 | 0.76 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.88(CuSbTe2)0.12 | 818 | 151 | 92485 | 1.78 | 0.00211 | 0.97 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.9(CuSbTe2)0.1 | 321 | 39 | 329501 | 3.73 | 0.00050 | 0.04 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.9(CuSbTe2)0.1 | 427 | 56 | 250100 | 3.62 | 0.00078 | 0.09 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.9(CuSbTe2)0.1 | 525 | 80 | 186056 | 3.11 | 0.00118 | 0.20 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.9(CuSbTe2)0.1 | 622 | 112 | 134400 | 2.35 | 0.00169 | 0.45 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.9(CuSbTe2)0.1 | 723 | 147 | 102498 | 2.02 | 0.00221 | 0.79 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.9(CuSbTe2)0.1 | 824 | 155 | 98350 | 1.55 | 0.00236 | 1.25 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.92(CuSbTe2)0.08 | 323 | 36 | 347600 | 3.93 | 0.00045 | 0.04 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.92(CuSbTe2)0.08 | 430 | 51 | 259589 | 3.79 | 0.00069 | 0.08 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.92(CuSbTe2)0.08 | 526 | 74 | 195470 | 3.04 | 0.00107 | 0.18 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.92(CuSbTe2)0.08 | 620 | 105 | 141254 | 2.45 | 0.00157 | 0.40 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.92(CuSbTe2)0.08 | 719 | 139 | 106800 | 2.09 | 0.00207 | 0.71 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.92(CuSbTe2)0.08 | 818 | 157 | 92500 | 1.74 | 0.00228 | 1.07 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.94(CuSbTe2)0.06 | 320 | 30 | 406300 | 4.43 | 0.00037 | 0.03 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.94(CuSbTe2)0.06 | 427 | 44 | 297300 | 4.24 | 0.00058 | 0.06 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.94(CuSbTe2)0.06 | 525 | 65 | 222000 | 3.81 | 0.00092 | 0.13 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.94(CuSbTe2)0.06 | 621 | 95 | 159750 | 3.06 | 0.00144 | 0.29 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.94(CuSbTe2)0.06 | 722 | 135 | 113100 | 2.44 | 0.00205 | 0.61 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.94(CuSbTe2)0.06 | 818 | 158 | 91700 | 1.95 | 0.00230 | 0.96 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.96(CuSbTe2)0.04 | 321 | 29 | 441207 | 5.63 | 0.00036 | 0.02 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.96(CuSbTe2)0.04 | 430 | 41 | 326803 | 5.03 | 0.00054 | 0.05 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.96(CuSbTe2)0.04 | 525 | 59 | 246077 | 4.39 | 0.00087 | 0.10 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.96(CuSbTe2)0.04 | 620 | 88 | 177828 | 3.45 | 0.00138 | 0.25 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.96(CuSbTe2)0.04 | 722 | 130 | 122800 | 2.77 | 0.00206 | 0.54 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.96(CuSbTe2)0.04 | 818 | 164 | 93249 | 2.14 | 0.00251 | 0.96 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.98(CuSbTe2)0.02 | 320 | 26 | 513706 | 6.99 | 0.00034 | 0.02 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.98(CuSbTe2)0.02 | 427 | 35 | 375837 | 6.23 | 0.00046 | 0.03 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.98(CuSbTe2)0.02 | 524 | 52 | 278383 | 5.20 | 0.00077 | 0.08 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.98(CuSbTe2)0.02 | 625 | 80 | 198708 | 4.02 | 0.00127 | 0.20 | https://doi.org/10.1021/acsami.1c15614 |
| (SnTe)0.98(CuSbTe2)0.02 | 722 | 120 | 135007 | 3.09 | 0.00195 | 0.46 | https://doi.org/10.1021/acsami.1c15614 |

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|---|---|---|---|---|---|---|---|
| (SnTe)0.98(CuSbTe2)0.02 | 818 | 159 | 98369 | 2.61 | 0.00247 | 0.78 | https://doi.org/10.1021/acsami.1c15614 |
| Ce0.75Fe3CoSb12 | 333 | 65 | 154146 | 7.96 | 0.00065 | 0.03 | https://doi.org/10.1021/acsami.1c16622 |
| Ce0.75Fe3CoSb12 | 423 | 79 | 132190 | 7.03 | 0.00083 | 0.05 | https://doi.org/10.1021/acsami.1c16622 |
| Ce0.75Fe3CoSb12 | 513 | 89 | 110244 | 6.46 | 0.00087 | 0.07 | https://doi.org/10.1021/acsami.1c16622 |
| Ce0.75Fe3CoSb12 | 603 | 95 | 97073 | 6.05 | 0.00088 | 0.09 | https://doi.org/10.1021/acsami.1c16622 |
| Ce0.75Fe3CoSb12 | 693 | 96 | 91707 | 6.30 | 0.00084 | 0.09 | https://doi.org/10.1021/acsami.1c16622 |
| Ce0.75Fe3CoSb12 | 783 | 90 | 96585 | 7.28 | 0.00079 | 0.08 | https://doi.org/10.1021/acsami.1c16622 |
| (Cu0.001Pb0.999Te)(MnTe)0.03 | 323 | -227 | 46069 | 1.81 | 0.00237 | 0.42 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.001Pb0.999Te)(MnTe)0.03 | 423 | -208 | 55724 | 1.59 | 0.00241 | 0.64 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.001Pb0.999Te)(MnTe)0.03 | 523 | -217 | 51103 | 1.51 | 0.00241 | 0.83 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.001Pb0.999Te)(MnTe)0.03 | 623 | -228 | 37397 | 1.25 | 0.00195 | 0.97 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.001Pb0.999Te)(MnTe)0.03 | 723 | -237 | 31507 | 1.15 | 0.00177 | 1.12 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.001Pb0.999Te)(MnTe)0.03 | 773 | -242 | 28082 | 1.14 | 0.00164 | 1.12 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.001Pb0.999Te)(MnTe)0.03 | 823 | -247 | 26200 | 1.15 | 0.00160 | 1.15 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.002Pb0.998Te)(MnTe)0.03 | 323 | -219 | 49517 | 1.79 | 0.00237 | 0.43 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.002Pb0.998Te)(MnTe)0.03 | 423 | -208 | 62069 | 1.61 | 0.00268 | 0.70 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.002Pb0.998Te)(MnTe)0.03 | 523 | -169 | 84247 | 1.65 | 0.00240 | 0.76 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.002Pb0.998Te)(MnTe)0.03 | 623 | -169 | 73931 | 1.46 | 0.00212 | 0.90 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.002Pb0.998Te)(MnTe)0.03 | 723 | -198 | 51172 | 1.28 | 0.00201 | 1.13 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.002Pb0.998Te)(MnTe)0.03 | 773 | -206 | 43586 | 1.24 | 0.00185 | 1.15 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.002Pb0.998Te)(MnTe)0.03 | 823 | -207 | 37655 | 1.21 | 0.00161 | 1.09 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.003Pb0.997Te)(MnTe)0.03 | 323 | -225 | 56000 | 1.77 | 0.00285 | 0.52 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.003Pb0.997Te)(MnTe)0.03 | 423 | -203 | 59586 | 1.57 | 0.00245 | 0.66 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.003Pb0.997Te)(MnTe)0.03 | 523 | -173 | 83699 | 1.58 | 0.00251 | 0.83 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.003Pb0.997Te)(MnTe)0.03 | 623 | -151 | 90822 | 1.67 | 0.00208 | 0.78 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.003Pb0.997Te)(MnTe)0.03 | 723 | -171 | 65655 | 1.37 | 0.00192 | 1.01 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.003Pb0.997Te)(MnTe)0.03 | 773 | -183 | 53517 | 1.33 | 0.00179 | 1.04 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.003Pb0.997Te)(MnTe)0.03 | 823 | -201 | 45379 | 1.27 | 0.00184 | 1.19 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.004Pb0.996Te)(MnTe)0.03 | 323 | -204 | 58483 | 1.79 | 0.00242 | 0.44 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.004Pb0.996Te)(MnTe)0.03 | 423 | -205 | 57655 | 1.56 | 0.00241 | 0.65 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.004Pb0.996Te)(MnTe)0.03 | 523 | -173 | 78759 | 1.56 | 0.00237 | 0.79 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.004Pb0.996Te)(MnTe)0.03 | 623 | -146 | 90959 | 1.67 | 0.00194 | 0.72 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.004Pb0.996Te)(MnTe)0.03 | 723 | -159 | 74897 | 1.56 | 0.00189 | 0.88 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.004Pb0.996Te)(MnTe)0.03 | 773 | -174 | 60276 | 1.44 | 0.00182 | 0.97 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.004Pb0.996Te)(MnTe)0.03 | 823 | -184 | 51034 | 1.38 | 0.00174 | 1.04 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.005Pb0.995Te)(MnTe)0.03 | 323 | -177 | 97810 | 1.93 | 0.00306 | 0.51 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.005Pb0.995Te)(MnTe)0.03 | 423 | -197 | 74110 | 1.62 | 0.00288 | 0.75 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.005Pb0.995Te)(MnTe)0.03 | 523 | -173 | 88082 | 1.60 | 0.00262 | 0.86 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.005Pb0.995Te)(MnTe)0.03 | 623 | -145 | 107671 | 1.70 | 0.00227 | 0.83 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.005Pb0.995Te)(MnTe)0.03 | 723 | -147 | 89178 | 1.64 | 0.00193 | 0.85 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.005Pb0.995Te)(MnTe)0.03 | 773 | -168 | 70000 | 1.56 | 0.00199 | 0.99 | https://doi.org/10.1021/acsami.1c17254 |
| (Cu0.005Pb0.995Te)(MnTe)0.03 | 823 | -173 | 61918 | 1.47 | 0.00185 | 1.03 | https://doi.org/10.1021/acsami.1c17254 |
| (PbTe)(MnTe)0.03 | 323 | -165 | 103699 | 2.09 | 0.00283 | 0.44 | https://doi.org/10.1021/acsami.1c17254 |
| (PbTe)(MnTe)0.03 | 423 | -212 | 58483 | 1.63 | 0.00264 | 0.68 | https://doi.org/10.1021/acsami.1c17254 |
| (PbTe)(MnTe)0.03 | 523 | -246 | 31862 | 1.32 | 0.00193 | 0.76 | https://doi.org/10.1021/acsami.1c17254 |
| (PbTe)(MnTe)0.03 | 623 | -255 | 25379 | 1.16 | 0.00165 | 0.89 | https://doi.org/10.1021/acsami.1c17254 |
| (PbTe)(MnTe)0.03 | 723 | -262 | 22897 | 1.11 | 0.00158 | 1.03 | https://doi.org/10.1021/acsami.1c17254 |
| (PbTe)(MnTe)0.03 | 773 | -253 | 22069 | 1.13 | 0.00141 | 0.97 | https://doi.org/10.1021/acsami.1c17254 |
| (PbTe)(MnTe)0.03 | 823 | -237 | 20966 | 1.17 | 0.00118 | 0.83 | https://doi.org/10.1021/acsami.1c17254 |
| Cu1.85Ag0.15SnSe3 | 300 | 249 | 1070 | 0.98 | 0.00007 | 0.02 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.85Ag0.15SnSe3 | 400 | 289 | 980 | 0.70 | 0.00008 | 0.05 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.85Ag0.15SnSe3 | 500 | 316 | 1010 | 0.54 | 0.00010 | 0.09 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.85Ag0.15SnSe3 | 600 | 342 | 1316 | 0.41 | 0.00015 | 0.23 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.85Ag0.15SnSe3 | 700 | 370 | 1867 | 0.35 | 0.00026 | 0.51 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.85Ag0.15SnSe3 | 800 | 401 | 2541 | 0.31 | 0.00041 | 1.04 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.875Ag0.125SnSe3 | 300 | 174 | 3184 | 1.10 | 0.00010 | 0.03 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.875Ag0.125SnSe3 | 400 | 196 | 2571 | 0.78 | 0.00010 | 0.05 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.875Ag0.125SnSe3 | 500 | 229 | 2510 | 0.63 | 0.00013 | 0.10 | https://doi.org/10.1021/acsami.1c17460 |

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|---|---|---|---|---|---|---|---|
| Cu1.875Ag0.125SnSe3 | 600 | 269 | 2724 | 0.51 | 0.00020 | 0.23 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.875Ag0.125SnSe3 | 700 | 312 | 2847 | 0.42 | 0.00028 | 0.46 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.875Ag0.125SnSe3 | 800 | 371 | 2694 | 0.32 | 0.00037 | 0.91 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.925Ag0.075SnSe3 | 300 | 100 | 13364 | 1.61 | 0.00013 | 0.02 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.925Ag0.075SnSe3 | 400 | 113 | 10727 | 1.09 | 0.00014 | 0.05 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.925Ag0.075SnSe3 | 500 | 127 | 9152 | 0.83 | 0.00015 | 0.09 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.925Ag0.075SnSe3 | 600 | 142 | 8576 | 0.68 | 0.00017 | 0.15 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.925Ag0.075SnSe3 | 700 | 165 | 8667 | 0.57 | 0.00024 | 0.29 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.925Ag0.075SnSe3 | 800 | 209 | 8788 | 0.55 | 0.00038 | 0.56 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.9Ag0.1SnSe3 | 300 | 117 | 5143 | 1.19 | 0.00007 | 0.02 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.9Ag0.1SnSe3 | 400 | 141 | 4439 | 0.97 | 0.00009 | 0.04 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.9Ag0.1SnSe3 | 500 | 164 | 4071 | 0.73 | 0.00011 | 0.07 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.9Ag0.1SnSe3 | 600 | 194 | 4133 | 0.63 | 0.00016 | 0.15 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.9Ag0.1SnSe3 | 700 | 237 | 3980 | 0.52 | 0.00022 | 0.30 | https://doi.org/10.1021/acsami.1c17460 |
| Cu1.9Ag0.1SnSe3 | 800 | 288 | 3612 | 0.41 | 0.00030 | 0.58 | https://doi.org/10.1021/acsami.1c17460 |
| Cu2SnSe3 | 300 | 96 | 19970 | 2.33 | 0.00019 | 0.02 | https://doi.org/10.1021/acsami.1c17460 |
| Cu2SnSe3 | 400 | 108 | 17545 | 1.38 | 0.00020 | 0.06 | https://doi.org/10.1021/acsami.1c17460 |
| Cu2SnSe3 | 500 | 125 | 15909 | 1.06 | 0.00025 | 0.12 | https://doi.org/10.1021/acsami.1c17460 |
| Cu2SnSe3 | 600 | 148 | 13697 | 0.90 | 0.00030 | 0.20 | https://doi.org/10.1021/acsami.1c17460 |
| Cu2SnSe3 | 700 | 178 | 12121 | 0.80 | 0.00039 | 0.34 | https://doi.org/10.1021/acsami.1c17460 |
| Cu2SnSe3 | 800 | 215 | 10333 | 0.74 | 0.00048 | 0.52 | https://doi.org/10.1021/acsami.1c17460 |
| Ag8Sn0.4Ga0.6Se6 | 328 | -552 | 33 | 0.21 | 0.00001 | 0.02 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.4Ga0.6Se6 | 376 | -530 | 132 | 0.23 | 0.00004 | 0.07 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.4Ga0.6Se6 | 474 | -443 | 295 | 0.27 | 0.00006 | 0.10 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.4Ga0.6Se6 | 573 | -324 | 660 | 0.28 | 0.00007 | 0.12 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.4Ga0.6Se6 | 671 | -179 | 12046 | 0.30 | 0.00038 | 0.85 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.4Ga0.6Se6 | 710 | -151 | 18020 | 0.29 | 0.00041 | 1.02 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.4Ga0.6Se6 | 720 | -143 | 19670 | 0.31 | 0.00040 | 0.95 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.5Ga0.5Se6 | 313 | -566 | 17 | 0.21 | 0.00001 | 0.01 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.5Ga0.5Se6 | 388 | -521 | 66 | 0.22 | 0.00002 | 0.05 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.5Ga0.5Se6 | 477 | -435 | 298 | 0.25 | 0.00006 | 0.11 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.5Ga0.5Se6 | 576 | -364 | 2000 | 0.27 | 0.00026 | 0.54 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.5Ga0.5Se6 | 673 | -176 | 13168 | 0.30 | 0.00041 | 0.90 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.5Ga0.5Se6 | 702 | -161 | 16667 | 0.29 | 0.00043 | 1.14 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.5Ga0.5Se6 | 732 | -130 | 23531 | 0.30 | 0.00040 | 0.91 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.6Ga0.4Se6 | 330 | -559 | 70 | 0.21 | 0.00002 | 0.05 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.6Ga0.4Se6 | 426 | -511 | 396 | 0.25 | 0.00010 | 0.18 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.6Ga0.4Se6 | 523 | -418 | 792 | 0.26 | 0.00014 | 0.28 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.6Ga0.4Se6 | 601 | -304 | 2343 | 0.30 | 0.00022 | 0.44 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.6Ga0.4Se6 | 640 | -214 | 7459 | 0.30 | 0.00034 | 0.73 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.6Ga0.4Se6 | 691 | -159 | 16568 | 0.30 | 0.00042 | 0.97 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.7Ga0.3Se6 | 313 | -550 | 33 | 0.22 | 0.00001 | 0.01 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.7Ga0.3Se6 | 426 | -443 | 132 | 0.24 | 0.00003 | 0.07 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.7Ga0.3Se6 | 474 | -422 | 430 | 0.26 | 0.00008 | 0.14 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.7Ga0.3Se6 | 572 | -297 | 1424 | 0.28 | 0.00013 | 0.26 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.7Ga0.3Se6 | 640 | -192 | 7980 | 0.32 | 0.00029 | 0.58 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.7Ga0.3Se6 | 673 | -158 | 16304 | 0.36 | 0.00041 | 0.78 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8Sn0.7Ga0.3Se6 | 694 | -140 | 19210 | 0.38 | 0.00037 | 0.67 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8SnSe6 | 330 | -543 | 99 | 0.21 | 0.00003 | 0.05 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8SnSe6 | 426 | -441 | 495 | 0.26 | 0.00010 | 0.14 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8SnSe6 | 523 | -343 | 1254 | 0.31 | 0.00015 | 0.25 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8SnSe6 | 601 | -182 | 10693 | 0.36 | 0.00035 | 0.58 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8SnSe6 | 640 | -145 | 19440 | 0.41 | 0.00041 | 0.65 | https://doi.org/10.1021/acsami.1c17548 |
| Ag8SnSe6 | 650 | -137 | 21890 | 0.43 | 0.00041 | 0.62 | https://doi.org/10.1021/acsami.1c17548 |
| Ag2Se | 309 | -129 | 135738 | 1.04 | 0.00226 | 0.69 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se | 334 | -117 | 172131 | 1.14 | 0.00236 | 0.70 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se | 362 | -98 | 233115 | 1.31 | 0.00225 | 0.62 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se | 377 | -90 | 267541 | 1.33 | 0.00217 | 0.61 | https://doi.org/10.1021/acsami.1c18483 |

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|---|---|---|---|---|---|---|---|
| Ag2Se0.98 | 307 | -131 | 143400 | 1.07 | 0.00246 | 0.71 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se0.98 | 332 | -116 | 184930 | 1.19 | 0.00247 | 0.69 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se0.98 | 361 | -98 | 253770 | 1.47 | 0.00243 | 0.60 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se0.98 | 376 | -93 | 293100 | 1.63 | 0.00251 | 0.58 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.0025 | 305 | -140 | 118033 | 0.91 | 0.00231 | 0.77 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.0025 | 332 | -127 | 146560 | 1.00 | 0.00238 | 0.79 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.0025 | 361 | -126 | 162800 | 1.05 | 0.00258 | 0.89 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.0025 | 376 | -124 | 167213 | 1.09 | 0.00258 | 0.89 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.01 | 312 | -142 | 118525 | 1.02 | 0.00239 | 0.73 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.01 | 334 | -139 | 125902 | 1.07 | 0.00242 | 0.76 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.01 | 362 | -137 | 135738 | 1.12 | 0.00256 | 0.82 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.01 | 377 | -134 | 141200 | 1.14 | 0.00255 | 0.84 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.02 | 308 | -141 | 125410 | 0.98 | 0.00249 | 0.80 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.02 | 334 | -139 | 134200 | 1.06 | 0.00259 | 0.82 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.02 | 362 | -136 | 144590 | 1.15 | 0.00266 | 0.84 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.02 | 377 | -133 | 148033 | 1.18 | 0.00262 | 0.83 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.03 | 310 | -143 | 108700 | 0.99 | 0.00223 | 0.70 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.03 | 332 | -140 | 118530 | 1.07 | 0.00234 | 0.73 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.03 | 362 | -137 | 131311 | 1.17 | 0.00247 | 0.77 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.03 | 377 | -135 | 136800 | 1.17 | 0.00251 | 0.80 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.04 | 311 | -145 | 106721 | 0.94 | 0.00225 | 0.77 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.04 | 334 | -142 | 116066 | 1.02 | 0.00234 | 0.77 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.04 | 362 | -141 | 126300 | 1.08 | 0.00253 | 0.85 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.04 | 377 | -137 | 131311 | 1.11 | 0.00247 | 0.83 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.06 | 309 | -143 | 110600 | 0.91 | 0.00226 | 0.79 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.06 | 334 | -141 | 119016 | 1.00 | 0.00237 | 0.80 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.06 | 362 | -138 | 129800 | 1.06 | 0.00246 | 0.84 | https://doi.org/10.1021/acsami.1c18483 |
| Ag2Se1.06 | 377 | -136 | 134300 | 1.10 | 0.00248 | 0.85 | https://doi.org/10.1021/acsami.1c18483 |
| Cu1.7Se | 295 | 15 | 979730 | 7.35 | 0.00023 | 0.01 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.7Se | 374 | 20 | 763514 | 5.96 | 0.00031 | 0.02 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.7Se | 473 | 30 | 547297 | 5.42 | 0.00048 | 0.04 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.7Se | 572 | 41 | 424324 | 5.01 | 0.00070 | 0.08 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.7Se | 672 | 60 | 287838 | 4.41 | 0.00105 | 0.16 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.8Se | 295 | 17 | 882432 | 7.06 | 0.00025 | 0.01 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.8Se | 374 | 22 | 691892 | 5.95 | 0.00034 | 0.02 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.8Se | 473 | 34 | 493243 | 4.99 | 0.00056 | 0.05 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.8Se | 572 | 45 | 383784 | 4.58 | 0.00078 | 0.10 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.8Se | 672 | 61 | 258110 | 4.02 | 0.00096 | 0.16 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.95In0.05Se | 295 | 195 | 14865 | 1.25 | 0.00062 | 0.16 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.95In0.05Se | 374 | 219 | 12162 | 1.20 | 0.00063 | 0.20 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.95In0.05Se | 473 | 178 | 21622 | 1.99 | 0.00070 | 0.17 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.95In0.05Se | 572 | 272 | 6757 | 1.70 | 0.00058 | 0.20 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.95In0.05Se | 672 | 325 | 2703 | 1.64 | 0.00047 | 0.19 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.95In0.05Se | 770 | 337 | 1351 | 1.66 | 0.00039 | 0.18 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.95In0.05Se | 870 | 329 | 2023 | 1.94 | 0.00043 | 0.19 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.97In0.03Se | 295 | 96 | 107383 | 0.86 | 0.00098 | 0.34 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.97In0.03Se | 374 | 120 | 71141 | 0.61 | 0.00103 | 0.63 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.97In0.03Se | 473 | 139 | 47651 | 0.90 | 0.00092 | 0.49 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.97In0.03Se | 572 | 174 | 34899 | 0.85 | 0.00106 | 0.73 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.97In0.03Se | 672 | 206 | 26174 | 0.81 | 0.00111 | 0.93 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.97In0.03Se | 770 | 237 | 20270 | 0.78 | 0.00114 | 1.14 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.97In0.03Se | 870 | 256 | 17450 | 0.73 | 0.00114 | 1.38 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.99In0.01Se | 295 | 89 | 125700 | 0.83 | 0.00100 | 0.36 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.99In0.01Se | 374 | 117 | 74324 | 0.59 | 0.00102 | 0.67 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.99In0.01Se | 473 | 130 | 55405 | 0.90 | 0.00094 | 0.50 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.99In0.01Se | 572 | 165 | 41892 | 0.89 | 0.00114 | 0.70 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.99In0.01Se | 672 | 194 | 31757 | 0.84 | 0.00119 | 0.97 | https://doi.org/10.1021/acsami.1c18818 |
| Cu1.99In0.01Se | 770 | 224 | 25000 | 0.80 | 0.00126 | 1.21 | https://doi.org/10.1021/acsami.1c18818 |

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|---|---|---|---|---|---|---|---|
| Cu1.99In0.01Se | 870 | 246 | 20970 | 0.78 | 0.00126 | 1.45 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.1Se | 295 | 51 | 260830 | 1.69 | 0.00068 | 0.12 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.1Se | 374 | 50 | 246000 | 1.61 | 0.00062 | 0.14 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.1Se | 473 | 66 | 212200 | 2.44 | 0.00092 | 0.18 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.1Se | 572 | 84 | 162200 | 2.26 | 0.00115 | 0.29 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.1Se | 672 | 105 | 131081 | 2.10 | 0.00143 | 0.46 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.1Se | 770 | 127 | 104054 | 2.03 | 0.00167 | 0.64 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.1Se | 870 | 148 | 81081 | 1.78 | 0.00176 | 0.86 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.2Se | 295 | 77 | 145946 | 1.21 | 0.00087 | 0.21 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.2Se | 374 | 106 | 85140 | 0.67 | 0.00095 | 0.53 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.2Se | 473 | 113 | 74324 | 1.16 | 0.00096 | 0.39 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.2Se | 572 | 142 | 55410 | 1.11 | 0.00111 | 0.57 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.2Se | 672 | 170 | 43300 | 1.05 | 0.00125 | 0.80 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.2Se | 770 | 197 | 35135 | 1.04 | 0.00136 | 1.01 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2.2Se | 870 | 215 | 29730 | 0.96 | 0.00138 | 1.26 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2Se | 295 | 47 | 282432 | 2.32 | 0.00061 | 0.08 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2Se | 374 | 43 | 320270 | 2.00 | 0.00058 | 0.11 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2Se | 473 | 59 | 241800 | 2.73 | 0.00083 | 0.14 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2Se | 572 | 76 | 189189 | 2.51 | 0.00110 | 0.25 | https://doi.org/10.1021/acsami.1c18818 |
| Cu2Se | 672 | 94 | 151351 | 2.47 | 0.00134 | 0.36 | https://doi.org/10.1021/acsami.1c18818 |
| Bi0.84Pb0.08Yb0.08CuSeO | 347 | 89 | 27429 | 0.73 | 0.00022 | 0.10 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.84Pb0.08Yb0.08CuSeO | 446 | 108 | 22326 | 0.66 | 0.00026 | 0.18 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.84Pb0.08Yb0.08CuSeO | 543 | 121 | 20000 | 0.58 | 0.00029 | 0.27 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.84Pb0.08Yb0.08CuSeO | 640 | 135 | 17297 | 0.52 | 0.00032 | 0.39 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.84Pb0.08Yb0.08CuSeO | 741 | 148 | 14120 | 0.47 | 0.00031 | 0.49 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.84Pb0.08Yb0.08CuSeO | 847 | 157 | 11566 | 0.45 | 0.00028 | 0.54 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.88Pb0.06Yb0.06CuSeO | 347 | 117 | 38400 | 0.65 | 0.00053 | 0.28 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.88Pb0.06Yb0.06CuSeO | 446 | 133 | 30968 | 0.57 | 0.00054 | 0.42 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.88Pb0.06Yb0.06CuSeO | 543 | 149 | 25600 | 0.52 | 0.00057 | 0.59 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.88Pb0.06Yb0.06CuSeO | 640 | 167 | 18641 | 0.48 | 0.00052 | 0.69 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.88Pb0.06Yb0.06CuSeO | 741 | 192 | 15865 | 0.43 | 0.00058 | 1.01 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.88Pb0.06Yb0.06CuSeO | 850 | 212 | 12800 | 0.41 | 0.00058 | 1.20 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.8Pb0.1Yb0.1CuSeO | 347 | 81 | 30000 | 0.78 | 0.00020 | 0.09 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.8Pb0.1Yb0.1CuSeO | 446 | 103 | 24000 | 0.70 | 0.00025 | 0.16 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.8Pb0.1Yb0.1CuSeO | 543 | 122 | 20000 | 0.63 | 0.00030 | 0.26 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.8Pb0.1Yb0.1CuSeO | 640 | 137 | 12308 | 0.56 | 0.00023 | 0.26 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.8Pb0.1Yb0.1CuSeO | 744 | 159 | 10213 | 0.51 | 0.00026 | 0.37 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.8Pb0.1Yb0.1CuSeO | 847 | 174 | 8520 | 0.48 | 0.00026 | 0.46 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.92Pb0.04Yb0.04CuSeO | 350 | 149 | 16410 | 0.71 | 0.00036 | 0.18 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.92Pb0.04Yb0.04CuSeO | 450 | 162 | 13617 | 0.64 | 0.00036 | 0.25 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.92Pb0.04Yb0.04CuSeO | 548 | 183 | 11034 | 0.57 | 0.00037 | 0.36 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.92Pb0.04Yb0.04CuSeO | 645 | 208 | 8225 | 0.51 | 0.00036 | 0.45 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.92Pb0.04Yb0.04CuSeO | 747 | 223 | 7336 | 0.45 | 0.00037 | 0.60 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.92Pb0.04Yb0.04CuSeO | 847 | 232 | 6400 | 0.43 | 0.00034 | 0.69 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.96Pb0.02Yb0.02CuSeO | 343 | 138 | 27050 | 0.80 | 0.00052 | 0.22 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.96Pb0.02Yb0.02CuSeO | 446 | 157 | 21600 | 0.74 | 0.00053 | 0.32 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.96Pb0.02Yb0.02CuSeO | 543 | 172 | 18300 | 0.66 | 0.00054 | 0.45 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.96Pb0.02Yb0.02CuSeO | 640 | 189 | 13061 | 0.58 | 0.00047 | 0.51 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.96Pb0.02Yb0.02CuSeO | 747 | 208 | 11098 | 0.52 | 0.00048 | 0.69 | https://doi.org/10.1021/acsami.1c19266 |
| Bi0.96Pb0.02Yb0.02CuSeO | 847 | 221 | 9360 | 0.49 | 0.00046 | 0.78 | https://doi.org/10.1021/acsami.1c19266 |
| BiCuSeO | 347 | 128 | 6575 | 0.60 | 0.00011 | 0.06 | https://doi.org/10.1021/acsami.1c19266 |
| BiCuSeO | 446 | 140 | 5598 | 0.54 | 0.00011 | 0.09 | https://doi.org/10.1021/acsami.1c19266 |
| BiCuSeO | 542 | 156 | 4776 | 0.50 | 0.00012 | 0.12 | https://doi.org/10.1021/acsami.1c19266 |
| BiCuSeO | 639 | 178 | 3871 | 0.46 | 0.00012 | 0.17 | https://doi.org/10.1021/acsami.1c19266 |
| BiCuSeO | 737 | 213 | 3238 | 0.38 | 0.00015 | 0.28 | https://doi.org/10.1021/acsami.1c19266 |
| BiCuSeO | 839 | 257 | 2783 | 0.38 | 0.00018 | 0.41 | https://doi.org/10.1021/acsami.1c19266 |
| CuAgTe0.5Se0.5 | 303 | 148 | 10703 | 0.47 | 0.00023 | 0.15 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 349 | 143 | 9689 | 0.46 | 0.00020 | 0.15 | https://doi.org/10.1021/acsami.1c20333 |

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|---|---|---|---|---|---|---|---|
| CuAgTe0.5Se0.5 | 363 | 138 | 9413 | 0.44 | 0.00018 | 0.15 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 383 | 130 | 8910 | 0.39 | 0.00015 | 0.15 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 393 | 129 | 8527 | 0.31 | 0.00014 | 0.18 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 397 | 130 | 8395 | 0.30 | 0.00014 | 0.19 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 403 | 161 | 8216 | 0.30 | 0.00021 | 0.29 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 408 | 225 | 7361 | 0.30 | 0.00037 | 0.50 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 422 | 211 | 5482 | 0.31 | 0.00025 | 0.34 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.5Se0.5 | 443 | 204 | 4807 | 0.32 | 0.00020 | 0.27 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 303 | 198 | 10945 | 0.45 | 0.00043 | 0.29 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 330 | 210 | 9916 | 0.43 | 0.00044 | 0.33 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 349 | 216 | 9186 | 0.41 | 0.00043 | 0.36 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 363 | 222 | 8671 | 0.39 | 0.00043 | 0.40 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 383 | 221 | 8060 | 0.32 | 0.00039 | 0.47 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 393 | 229 | 7771 | 0.24 | 0.00041 | 0.67 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 397 | 227 | 7651 | 0.26 | 0.00039 | 0.60 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 403 | 239 | 7398 | 0.36 | 0.00042 | 0.47 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 408 | 238 | 7229 | 0.34 | 0.00041 | 0.49 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 422 | 232 | 6783 | 0.35 | 0.00036 | 0.44 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.6Se0.4 | 443 | 232 | 6386 | 0.36 | 0.00034 | 0.42 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 303 | 215 | 11867 | 0.39 | 0.00055 | 0.43 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 330 | 232 | 10303 | 0.38 | 0.00056 | 0.49 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 349 | 249 | 9234 | 0.35 | 0.00057 | 0.56 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 363 | 254 | 8503 | 0.33 | 0.00055 | 0.60 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 383 | 263 | 7566 | 0.28 | 0.00052 | 0.72 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 393 | 262 | 7133 | 0.22 | 0.00049 | 0.89 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 397 | 259 | 6982 | 0.23 | 0.00047 | 0.81 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 403 | 255 | 6695 | 0.28 | 0.00044 | 0.62 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 408 | 252 | 6349 | 0.29 | 0.00040 | 0.58 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 422 | 249 | 6602 | 0.29 | 0.00041 | 0.59 | https://doi.org/10.1021/acsami.1c20333 |
| CuAgTe0.7Se0.3 | 443 | 246 | 6675 | 0.31 | 0.00040 | 0.58 | https://doi.org/10.1021/acsami.1c20333 |
| Sn0.93Pb0.06Zn0.01Se | 300 | 473 | 1500 | 0.85 | 0.00034 | 0.13 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.93Pb0.06Zn0.01Se | 373 | 498 | 1137 | 0.71 | 0.00028 | 0.16 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.93Pb0.06Zn0.01Se | 473 | 533 | 656 | 0.59 | 0.00019 | 0.16 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.93Pb0.06Zn0.01Se | 573 | 550 | 315 | 0.52 | 0.00010 | 0.11 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.93Pb0.06Zn0.01Se | 673 | 525 | 710 | 0.43 | 0.00020 | 0.30 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.93Pb0.06Zn0.01Se | 773 | 402 | 5082 | 0.34 | 0.00082 | 1.86 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.96Pb0.03Zn0.01Se | 300 | 444 | 3578 | 1.12 | 0.00070 | 0.19 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.96Pb0.03Zn0.01Se | 373 | 476 | 2140 | 0.85 | 0.00048 | 0.21 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.96Pb0.03Zn0.01Se | 473 | 516 | 1137 | 0.66 | 0.00030 | 0.22 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.96Pb0.03Zn0.01Se | 573 | 546 | 566 | 0.56 | 0.00017 | 0.17 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.96Pb0.03Zn0.01Se | 673 | 520 | 872 | 0.47 | 0.00024 | 0.34 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.96Pb0.03Zn0.01Se | 773 | 406 | 4317 | 0.36 | 0.00073 | 1.52 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.97Pb0.02Zn0.01Se | 300 | 429 | 4233 | 1.28 | 0.00078 | 0.18 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.97Pb0.02Zn0.01Se | 373 | 460 | 2795 | 1.07 | 0.00059 | 0.20 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.97Pb0.02Zn0.01Se | 473 | 507 | 1319 | 0.95 | 0.00034 | 0.17 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.97Pb0.02Zn0.01Se | 573 | 540 | 724 | 0.85 | 0.00021 | 0.14 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.97Pb0.02Zn0.01Se | 673 | 518 | 900 | 0.70 | 0.00024 | 0.23 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.97Pb0.02Zn0.01Se | 773 | 412 | 4000 | 0.57 | 0.00068 | 0.93 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.98Pb0.01Zn0.01Se | 300 | 435 | 5000 | 1.23 | 0.00095 | 0.23 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.98Pb0.01Zn0.01Se | 373 | 461 | 3000 | 1.08 | 0.00064 | 0.22 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.98Pb0.01Zn0.01Se | 473 | 500 | 1560 | 0.91 | 0.00039 | 0.20 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.98Pb0.01Zn0.01Se | 573 | 533 | 872 | 0.77 | 0.00025 | 0.18 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.98Pb0.01Zn0.01Se | 673 | 516 | 971 | 0.67 | 0.00026 | 0.26 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.98Pb0.01Zn0.01Se | 773 | 371 | 5582 | 0.55 | 0.00077 | 1.08 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.9Pb0.09Zn0.01Se | 300 | 507 | 274 | 1.27 | 0.00007 | 0.02 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.9Pb0.09Zn0.01Se | 373 | 542 | 280 | 0.98 | 0.00008 | 0.03 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.9Pb0.09Zn0.01Se | 473 | 579 | 306 | 0.75 | 0.00010 | 0.06 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.9Pb0.09Zn0.01Se | 573 | 605 | 209 | 0.64 | 0.00008 | 0.07 | https://doi.org/10.1021/acsami.1c20549 |

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|---|---|---|---|---|---|---|---|
| Sn0.9Pb0.09Zn0.01Se | 673 | 563 | 631 | 0.56 | 0.00020 | 0.24 | https://doi.org/10.1021/acsami.1c20549 |
| Sn0.9Pb0.09Zn0.01Se | 773 | 387 | 4275 | 0.48 | 0.00064 | 1.03 | https://doi.org/10.1021/acsami.1c20549 |
| SnSe | 300 | 497 | 1207 | 2.33 | 0.00030 | 0.04 | https://doi.org/10.1021/acsami.1c20549 |
| SnSe | 373 | 523 | 900 | 1.77 | 0.00025 | 0.05 | https://doi.org/10.1021/acsami.1c20549 |
| SnSe | 473 | 539 | 600 | 1.29 | 0.00017 | 0.06 | https://doi.org/10.1021/acsami.1c20549 |
| SnSe | 573 | 558 | 337 | 1.05 | 0.00012 | 0.07 | https://doi.org/10.1021/acsami.1c20549 |
| SnSe | 673 | 535 | 700 | 0.89 | 0.00018 | 0.15 | https://doi.org/10.1021/acsami.1c20549 |
| SnSe | 773 | 426 | 2482 | 0.60 | 0.00042 | 0.58 | https://doi.org/10.1021/acsami.1c20549 |
| Bi2Si2Te6 | 373 | 119 | 12037 | 0.85 | 0.00017 | 0.08 | https://doi.org/10.1021/acsami.1c23351 |
| Bi2Si2Te6 | 473 | 161 | 10694 | 0.75 | 0.00028 | 0.17 | https://doi.org/10.1021/acsami.1c23351 |
| Bi2Si2Te6 | 573 | 182 | 8520 | 0.71 | 0.00028 | 0.23 | https://doi.org/10.1021/acsami.1c23351 |
| Bi2Si2Te6 | 673 | 153 | 7454 | 0.68 | 0.00017 | 0.17 | https://doi.org/10.1021/acsami.1c23351 |
| Bi2Si2Te6 | 773 | 101 | 8889 | 0.74 | 0.00009 | 0.09 | https://doi.org/10.1021/acsami.1c23351 |
| Sb2Si2Te6 | 373 | 140 | 30275 | 0.86 | 0.00059 | 0.26 | https://doi.org/10.1021/acsami.1c23351 |
| Sb2Si2Te6 | 473 | 168 | 24312 | 0.75 | 0.00069 | 0.43 | https://doi.org/10.1021/acsami.1c23351 |
| Sb2Si2Te6 | 573 | 192 | 19404 | 0.66 | 0.00071 | 0.62 | https://doi.org/10.1021/acsami.1c23351 |
| Sb2Si2Te6 | 673 | 213 | 13750 | 0.50 | 0.00063 | 0.84 | https://doi.org/10.1021/acsami.1c23351 |
| Sb2Si2Te6 | 773 | 222 | 12361 | 0.42 | 0.00061 | 1.13 | https://doi.org/10.1021/acsami.1c23351 |
| Tl8.95Bi1.05Te6.0 | 444 | -103 | 570 | 0.34 | 0.00001 | 0.01 | https://doi.org/10.1021/cm402593f |
| Tl8.95Bi1.05Te6.0 | 504 | 80 | 1054 | 0.36 | 0.00001 | 0.01 | https://doi.org/10.1021/cm402593f |
| Tl8.95Bi1.05Te6.0 | 382 | -208 | 320 | 0.34 | 0.00001 | 0.02 | https://doi.org/10.1021/cm402593f |
| Tl8.95Bi1.05Te6.0 | 322 | -220 | 170 | 0.34 | 0.00001 | 0.01 | https://doi.org/10.1021/cm402593f |
| Tl8.97Sb1.03Te6 | 326 | 118 | 43300 | 0.67 | 0.00060 | 0.29 | https://doi.org/10.1021/cm402593f |
| Tl8.97Sb1.03Te6 | 386 | 148 | 33000 | 0.58 | 0.00073 | 0.48 | https://doi.org/10.1021/cm402593f |
| Tl8.97Sb1.03Te6 | 445 | 181 | 25138 | 0.52 | 0.00082 | 0.71 | https://doi.org/10.1021/cm402593f |
| Tl8.97Sb1.03Te6 | 504 | 201 | 20000 | 0.46 | 0.00081 | 0.88 | https://doi.org/10.1021/cm402593f |
| Tl8.98Sb1.02Te6 | 326 | 113 | 42000 | 0.59 | 0.00054 | 0.29 | https://doi.org/10.1021/cm402593f |
| Tl8.98Sb1.02Te6 | 385 | 140 | 34220 | 0.54 | 0.00067 | 0.48 | https://doi.org/10.1021/cm402593f |
| Tl8.98Sb1.02Te6 | 445 | 167 | 27730 | 0.50 | 0.00077 | 0.68 | https://doi.org/10.1021/cm402593f |
| Tl8.98Sb1.02Te6 | 503 | 192 | 22400 | 0.46 | 0.00083 | 0.91 | https://doi.org/10.1021/cm402593f |
| Tl8.99Bi1.01Te6.0 | 322 | 243 | 8350 | 0.40 | 0.00049 | 0.40 | https://doi.org/10.1021/cm402593f |
| Tl8.99Bi1.01Te6.0 | 382 | 271 | 6500 | 0.34 | 0.00048 | 0.54 | https://doi.org/10.1021/cm402593f |
| Tl8.99Bi1.01Te6.0 | 499 | 307 | 4300 | 0.32 | 0.00041 | 0.63 | https://doi.org/10.1021/cm402593f |
| Tl8.99Sb1.01Te6 | 326 | 107 | 53300 | 0.71 | 0.00061 | 0.28 | https://doi.org/10.1021/cm402593f |
| Tl8.99Sb1.01Te6 | 385 | 137 | 40400 | 0.61 | 0.00076 | 0.48 | https://doi.org/10.1021/cm402593f |
| Tl8.99Sb1.01Te6 | 445 | 166 | 31743 | 0.57 | 0.00087 | 0.68 | https://doi.org/10.1021/cm402593f |
| Tl8.99Sb1.01Te6 | 503 | 180 | 26055 | 0.53 | 0.00084 | 0.80 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.95Te6.0 | 325 | 140 | 37455 | 0.59 | 0.00073 | 0.40 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.95Te6.0 | 385 | 158 | 30000 | 0.55 | 0.00075 | 0.52 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.95Te6.0 | 443 | 182 | 24460 | 0.52 | 0.00081 | 0.69 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.95Te6.0 | 500 | 198 | 21000 | 0.50 | 0.00082 | 0.82 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.96Te6.0 | 325 | 148 | 36000 | 0.65 | 0.00079 | 0.40 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.96Te6.0 | 385 | 168 | 28640 | 0.56 | 0.00081 | 0.55 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.96Te6.0 | 443 | 190 | 23500 | 0.52 | 0.00085 | 0.72 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.96Te6.0 | 500 | 210 | 19700 | 0.50 | 0.00087 | 0.88 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.97Te6.0 | 325 | 152 | 34090 | 0.59 | 0.00079 | 0.44 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.97Te6.0 | 385 | 174 | 27100 | 0.50 | 0.00082 | 0.63 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.97Te6.0 | 443 | 195 | 22000 | 0.47 | 0.00084 | 0.78 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.97Te6.0 | 503 | 217 | 18455 | 0.45 | 0.00087 | 0.97 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.98Te6.0 | 325 | 164 | 25800 | 0.54 | 0.00070 | 0.42 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.98Te6.0 | 385 | 190 | 20636 | 0.45 | 0.00074 | 0.64 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.98Te6.0 | 443 | 217 | 17545 | 0.42 | 0.00083 | 0.87 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.98Te6.0 | 503 | 239 | 14545 | 0.39 | 0.00083 | 1.07 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.99Te6.0 | 325 | 183 | 24636 | 0.49 | 0.00083 | 0.55 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.99Te6.0 | 385 | 209 | 18400 | 0.46 | 0.00080 | 0.68 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.99Te6.0 | 443 | 237 | 14000 | 0.41 | 0.00079 | 0.85 | https://doi.org/10.1021/cm402593f |
| Tl9.0Bi0.99Te6.0 | 503 | 264 | 11182 | 0.39 | 0.00078 | 0.99 | https://doi.org/10.1021/cm402593f |
| Tl9.0BiTe6.0 | 325 | 200 | 18091 | 5.00 | 0.00072 | 0.05 | https://doi.org/10.1021/cm402593f |

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|---|---|---|---|---|---|---|---|
| Tl9.0BiTe6.0 | 385 | 233 | 13364 | 3.97 | 0.00073 | 0.07 | https://doi.org/10.1021/cm402593f |
| Tl9.0BiTe6.0 | 443 | 260 | 10200 | 3.80 | 0.00069 | 0.08 | https://doi.org/10.1021/cm402593f |
| Tl9.0BiTe6.0 | 503 | 285 | 8100 | 3.43 | 0.00066 | 0.10 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.97Te6 | 327 | 104 | 50000 | 0.73 | 0.00054 | 0.24 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.97Te6 | 447 | 155 | 32000 | 0.61 | 0.00077 | 0.56 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.97Te6 | 507 | 173 | 26330 | 0.55 | 0.00079 | 0.73 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.98Te6 | 326 | 106 | 53000 | 0.69 | 0.00060 | 0.28 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.98Te6 | 385 | 133 | 40734 | 0.64 | 0.00072 | 0.44 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.98Te6 | 444 | 159 | 32455 | 0.59 | 0.00082 | 0.63 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.98Te6 | 503 | 177 | 27100 | 0.54 | 0.00085 | 0.80 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb0.99Te6 | 325 | 122 | 44770 | 0.71 | 0.00067 | 0.31 | https://doi.org/10.1021/cm402593f |
| Tl9.0Sb1.0Te6 | 502 | 193 | 22636 | 0.50 | 0.00084 | 0.85 | https://doi.org/10.1021/cm402593f |
| Cu5Sn2Se7 | 300 | 21 | 662800 | 5.28 | 0.00030 | 0.02 | https://doi.org/10.1021/cm501899q |
| Cu5Sn2Se7 | 400 | 26 | 500000 | 4.77 | 0.00035 | 0.03 | https://doi.org/10.1021/cm501899q |
| Cu5Sn2Se7 | 500 | 34 | 383900 | 4.30 | 0.00045 | 0.05 | https://doi.org/10.1021/cm501899q |
| Cu5Sn2Se7 | 598 | 44 | 302200 | 3.86 | 0.00059 | 0.09 | https://doi.org/10.1021/cm501899q |
| Cu5Sn2Se7 | 698 | 51 | 233635 | 3.31 | 0.00061 | 0.13 | https://doi.org/10.1021/cm501899q |
| MgAgSb | 300 | 172 | 49818 | 1.07 | 0.00148 | 0.42 | https://doi.org/10.1021/cm5041826 |
| MgAgSb | 350 | 188 | 40909 | 1.00 | 0.00145 | 0.51 | https://doi.org/10.1021/cm5041826 |
| MgAgSb | 400 | 201 | 36364 | 0.97 | 0.00147 | 0.61 | https://doi.org/10.1021/cm5041826 |
| MgAgSb | 450 | 206 | 36909 | 0.97 | 0.00157 | 0.73 | https://doi.org/10.1021/cm5041826 |
| MgAgSb | 500 | 199 | 42000 | 1.01 | 0.00166 | 0.82 | https://doi.org/10.1021/cm5041826 |
| MgAgSb | 550 | 176 | 52000 | 1.08 | 0.00161 | 0.82 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.985In0.015 | 300 | 149 | 90185 | 1.42 | 0.00200 | 0.42 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.985In0.015 | 350 | 165 | 72072 | 1.23 | 0.00195 | 0.56 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.985In0.015 | 400 | 178 | 65045 | 1.19 | 0.00207 | 0.70 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.985In0.015 | 450 | 186 | 67207 | 1.28 | 0.00233 | 0.82 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.985In0.015 | 500 | 183 | 77838 | 1.45 | 0.00261 | 0.90 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.985In0.015 | 550 | 165 | 96036 | 1.67 | 0.00263 | 0.86 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.98In0.02 | 300 | 133 | 102583 | 1.43 | 0.00220 | 0.46 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.98In0.02 | 350 | 146 | 81261 | 1.34 | 0.00196 | 0.51 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.98In0.02 | 400 | 161 | 68288 | 1.31 | 0.00194 | 0.59 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.98In0.02 | 450 | 175 | 64144 | 1.34 | 0.00208 | 0.70 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.98In0.02 | 500 | 175 | 71171 | 1.45 | 0.00229 | 0.79 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.98In0.02 | 550 | 155 | 90450 | 1.65 | 0.00230 | 0.77 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.995In0.005 | 300 | 163 | 64685 | 1.23 | 0.00172 | 0.44 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.995In0.005 | 350 | 180 | 48545 | 1.10 | 0.00156 | 0.52 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.995In0.005 | 400 | 195 | 41091 | 1.03 | 0.00157 | 0.64 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.995In0.005 | 450 | 205 | 41050 | 1.02 | 0.00172 | 0.80 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.995In0.005 | 500 | 202 | 46000 | 1.05 | 0.00188 | 0.94 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.995In0.005 | 550 | 183 | 54000 | 1.11 | 0.00180 | 0.91 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.99In0.01 | 300 | 155 | 79820 | 1.15 | 0.00193 | 0.50 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.99In0.01 | 350 | 170 | 62523 | 0.99 | 0.00181 | 0.64 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.99In0.01 | 400 | 188 | 53273 | 0.95 | 0.00188 | 0.79 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.99In0.01 | 450 | 201 | 51636 | 1.01 | 0.00208 | 0.93 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.99In0.01 | 500 | 203 | 57455 | 1.15 | 0.00236 | 1.03 | https://doi.org/10.1021/cm5041826 |
| MgAgSb0.99In0.01 | 550 | 183 | 71091 | 1.35 | 0.00237 | 0.99 | https://doi.org/10.1021/cm5041826 |
| Rb7.88Au2.47Ge43.53 | 50 | -4 | 95 | 1.34 | 0.00000 | 0.00 | https://doi.org/10.1021/ic3024315 |
| Rb7.88Au2.47Ge43.53 | 100 | -6 | 196 | 1.58 | 0.00000 | 0.00 | https://doi.org/10.1021/ic3024315 |
| Rb7.88Au2.47Ge43.53 | 150 | -8 | 296 | 1.69 | 0.00000 | 0.00 | https://doi.org/10.1021/ic3024315 |
| Rb7.88Au2.47Ge43.53 | 200 | -9 | 388 | 1.77 | 0.00000 | 0.00 | https://doi.org/10.1021/ic3024315 |
| Rb7.88Au2.47Ge43.53 | 250 | -11 | 471 | 1.88 | 0.00000 | 0.00 | https://doi.org/10.1021/ic3024315 |
| Rb7.88Au2.47Ge43.53 | 300 | -13 | 551 | 2.08 | 0.00000 | 0.00 | https://doi.org/10.1021/ic3024315 |
| Cu2Zn0.2Fe0.8SnSe4 | 373 | 233 | 2645 | 1.74 | 0.00014 | 0.03 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.2Fe0.8SnSe4 | 473 | 238 | 2835 | 1.28 | 0.00016 | 0.06 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.2Fe0.8SnSe4 | 573 | 245 | 3356 | 0.93 | 0.00020 | 0.12 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.2Fe0.8SnSe4 | 673 | 239 | 4134 | 0.78 | 0.00024 | 0.20 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.2Fe0.8SnSe4 | 773 | 221 | 6210 | 0.69 | 0.00030 | 0.34 | https://doi.org/10.1021/ic402455x |

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|---|---|---|---|---|---|---|---|
| Cu2Zn0.4Fe0.6SnSe4 | 373 | 216 | 3226 | 1.92 | 0.00015 | 0.03 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.4Fe0.6SnSe4 | 473 | 214 | 4302 | 1.43 | 0.00020 | 0.07 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.4Fe0.6SnSe4 | 573 | 221 | 5458 | 1.06 | 0.00027 | 0.14 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.4Fe0.6SnSe4 | 673 | 231 | 6210 | 0.86 | 0.00033 | 0.26 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.4Fe0.6SnSe4 | 773 | 229 | 7136 | 0.71 | 0.00038 | 0.41 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.6Fe0.4SnSe4 | 373 | 264 | 87 | 2.49 | 0.00001 | 0.00 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.6Fe0.4SnSe4 | 473 | 331 | 307 | 1.76 | 0.00003 | 0.01 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.6Fe0.4SnSe4 | 573 | 322 | 980 | 1.28 | 0.00010 | 0.05 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.6Fe0.4SnSe4 | 673 | 299 | 2169 | 1.03 | 0.00019 | 0.13 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.6Fe0.4SnSe4 | 773 | 282 | 3670 | 0.85 | 0.00029 | 0.26 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.8Fe0.2SnSe4 | 373 | 281 | 27 | 2.50 | 0.00000 | 0.00 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.8Fe0.2SnSe4 | 473 | 360 | 155 | 1.54 | 0.00002 | 0.01 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.8Fe0.2SnSe4 | 573 | 365 | 726 | 1.04 | 0.00010 | 0.05 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.8Fe0.2SnSe4 | 673 | 339 | 1734 | 0.81 | 0.00020 | 0.17 | https://doi.org/10.1021/ic402455x |
| Cu2Zn0.8Fe0.2SnSe4 | 773 | 313 | 2861 | 0.67 | 0.00028 | 0.32 | https://doi.org/10.1021/ic402455x |
| CsNd2Ag3Te5 | 298 | -33 | 84 | 0.53 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsNd2Ag3Te5 | 385 | 33 | 127 | 0.45 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsNd2Ag3Te5 | 462 | 136 | 196 | 0.35 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsNd2Ag3Te5 | 539 | 147 | 390 | 0.31 | 0.00001 | 0.01 | https://doi.org/10.1021/ic5007132 |
| CsNd2Ag3Te5 | 616 | 150 | 694 | 0.36 | 0.00002 | 0.03 | https://doi.org/10.1021/ic5007132 |
| CsNd2Ag3Te5 | 687 | 157 | 976 | 0.34 | 0.00002 | 0.05 | https://doi.org/10.1021/ic5007132 |
| CsPr2Ag3Te5 | 298 | -49 | 53 | 0.65 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsPr2Ag3Te5 | 385 | 44 | 69 | 0.65 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsPr2Ag3Te5 | 462 | 134 | 99 | 0.62 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsPr2Ag3Te5 | 539 | 142 | 169 | 0.52 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsPr2Ag3Te5 | 616 | 156 | 434 | 0.44 | 0.00001 | 0.01 | https://doi.org/10.1021/ic5007132 |
| CsSm2Ag3Te5 | 298 | -90 | 84 | 0.66 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsSm2Ag3Te5 | 385 | 59 | 88 | 0.61 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsSm2Ag3Te5 | 462 | 178 | 96 | 0.52 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsSm2Ag3Te5 | 539 | 189 | 188 | 0.48 | 0.00001 | 0.01 | https://doi.org/10.1021/ic5007132 |
| CsSm2Ag3Te5 | 616 | 198 | 359 | 0.46 | 0.00001 | 0.02 | https://doi.org/10.1021/ic5007132 |
| CsTb2Ag3Te5 | 298 | 21 | 244 | 0.53 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsTb2Ag3Te5 | 385 | 62 | 273 | 0.51 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsTb2Ag3Te5 | 462 | 116 | 282 | 0.41 | 0.00000 | 0.00 | https://doi.org/10.1021/ic5007132 |
| CsTb2Ag3Te5 | 539 | 174 | 345 | 0.38 | 0.00001 | 0.01 | https://doi.org/10.1021/ic5007132 |
| CsTb2Ag3Te5 | 616 | 179 | 473 | 0.40 | 0.00002 | 0.02 | https://doi.org/10.1021/ic5007132 |
| CsTb2Ag3Te5 | 687 | 193 | 621 | 0.38 | 0.00002 | 0.04 | https://doi.org/10.1021/ic5007132 |
| Ag0.94CuSe | 298 | -89 | 196825 | 1.67 | 0.00159 | 0.28 | https://doi.org/10.1021/ic502102e |
| Ag0.94CuSe | 391 | -15 | 59903 | 1.88 | 0.00001 | 0.00 | https://doi.org/10.1021/ic502102e |
| Ag0.94CuSe | 470 | 112 | 44930 | 1.24 | 0.00056 | 0.26 | https://doi.org/10.1021/ic502102e |
| Ag0.94CuSe | 479 | 208 | 16210 | 0.56 | 0.00070 | 0.61 | https://doi.org/10.1021/ic502102e |
| Ag0.94CuSe | 549 | 203 | 20065 | 0.62 | 0.00082 | 0.73 | https://doi.org/10.1021/ic502102e |
| Ag0.94CuSe | 625 | 212 | 17589 | 0.59 | 0.00079 | 0.83 | https://doi.org/10.1021/ic502102e |
| Ag0.94CuSe | 694 | 220 | 14221 | 0.60 | 0.00078 | 0.87 | https://doi.org/10.1021/ic502102e |
| Ag0.97CuSe | 298 | -98 | 179710 | 1.46 | 0.00173 | 0.35 | https://doi.org/10.1021/ic502102e |
| Ag0.97CuSe | 391 | -31 | 59903 | 2.12 | 0.00006 | 0.01 | https://doi.org/10.1021/ic502102e |
| Ag0.97CuSe | 468 | 89 | 43509 | 1.67 | 0.00035 | 0.07 | https://doi.org/10.1021/ic502102e |
| Ag0.97CuSe | 479 | 190 | 14569 | 0.63 | 0.00053 | 0.40 | https://doi.org/10.1021/ic502102e |
| Ag0.97CuSe | 557 | 204 | 15597 | 0.56 | 0.00065 | 0.64 | https://doi.org/10.1021/ic502102e |
| Ag0.97CuSe | 629 | 212 | 14000 | 0.57 | 0.00063 | 0.69 | https://doi.org/10.1021/ic502102e |
| AgCuSe | 298 | -75 | 89860 | 1.66 | 0.00050 | 0.09 | https://doi.org/10.1021/ic502102e |
| AgCuSe | 382 | -27 | 55856 | 1.95 | 0.00004 | 0.01 | https://doi.org/10.1021/ic502102e |
| AgCuSe | 479 | 206 | 11232 | 0.48 | 0.00048 | 0.47 | https://doi.org/10.1021/ic502102e |
| AgCuSe | 549 | 216 | 11513 | 0.50 | 0.00054 | 0.59 | https://doi.org/10.1021/ic502102e |
| AgCuSe | 621 | 226 | 10130 | 0.53 | 0.00051 | 0.61 | https://doi.org/10.1021/ic502102e |
| AgCuSe | 694 | 231 | 9100 | 0.53 | 0.00048 | 0.61 | https://doi.org/10.1021/ic502102e |
| Ti0.95Al0.05O2 | 296 | -239 | 2104 | 5.67 | 0.00012 | 0.01 | https://doi.org/10.1021/jp302652c |
| Ti0.96Al0.04O2 | 296 | -282 | 2112 | 5.72 | 0.00017 | 0.01 | https://doi.org/10.1021/jp302652c |

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|---|---|---|---|---|---|---|---|
| Ti0.97Al0.03O2 | 296 | -323 | 2077 | 5.81 | 0.00022 | 0.01 | https://doi.org/10.1021/jp302652c |
| Ti0.98Al0.02O2 | 296 | -376 | 1990 | 5.88 | 0.00028 | 0.01 | https://doi.org/10.1021/jp302652c |
| Ti0.995Al0.005O2 | 296 | -440 | 1172 | 7.00 | 0.00023 | 0.01 | https://doi.org/10.1021/jp302652c |
| Ti0.99Al0.01O2 | 296 | -415 | 1700 | 6.24 | 0.00029 | 0.01 | https://doi.org/10.1021/jp302652c |
| TiO2 | 296 | -462 | 388 | 6.30 | 0.00008 | 0.00 | https://doi.org/10.1021/jp302652c |
| Ta0.84Ti0.16FeSb | 304 | 105 | 409100 | 5.49 | 0.00452 | 0.25 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.84Ti0.16FeSb | 370 | 118 | 339300 | 5.17 | 0.00477 | 0.34 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.84Ti0.16FeSb | 470 | 142 | 258200 | 4.74 | 0.00521 | 0.52 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.84Ti0.16FeSb | 570 | 166 | 202600 | 4.40 | 0.00555 | 0.72 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.84Ti0.16FeSb | 670 | 184 | 162953 | 4.14 | 0.00549 | 0.89 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.84Ti0.16FeSb | 770 | 200 | 135000 | 3.91 | 0.00540 | 1.06 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.84Ti0.16FeSb | 870 | 213 | 114485 | 3.69 | 0.00518 | 1.22 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.84Ti0.16FeSb | 970 | 224 | 100700 | 3.52 | 0.00505 | 1.39 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 304 | 111 | 401150 | 5.98 | 0.00500 | 0.25 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 370 | 125 | 325500 | 5.45 | 0.00514 | 0.35 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 470 | 148 | 244011 | 4.95 | 0.00537 | 0.51 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 570 | 172 | 185933 | 4.60 | 0.00550 | 0.68 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 670 | 191 | 146657 | 4.31 | 0.00536 | 0.84 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 770 | 207 | 119498 | 4.07 | 0.00511 | 0.97 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 870 | 220 | 100200 | 3.83 | 0.00485 | 1.10 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.88Ti0.12FeSb | 970 | 231 | 86500 | 3.66 | 0.00462 | 1.22 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 304 | 135 | 277000 | 6.62 | 0.00505 | 0.23 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 370 | 150 | 234400 | 5.99 | 0.00527 | 0.33 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 470 | 174 | 182600 | 5.47 | 0.00554 | 0.48 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 570 | 195 | 144600 | 5.05 | 0.00549 | 0.63 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 670 | 213 | 115950 | 4.71 | 0.00528 | 0.75 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 770 | 231 | 95550 | 4.45 | 0.00508 | 0.88 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 870 | 246 | 80100 | 4.18 | 0.00484 | 1.01 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.92Ti0.08FeSb | 970 | 258 | 69750 | 3.95 | 0.00462 | 1.14 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.94Ti0.06FeSb | 570 | 202 | 116800 | 5.03 | 0.00482 | 0.54 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.94Ti0.06FeSb | 670 | 222 | 93500 | 4.67 | 0.00468 | 0.67 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.94Ti0.06FeSb | 770 | 240 | 76500 | 4.37 | 0.00448 | 0.79 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.96Ti0.04FeSb | 304 | 179 | 77700 | 6.92 | 0.00248 | 0.11 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.96Ti0.04FeSb | 370 | 194 | 80100 | 6.37 | 0.00300 | 0.18 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.96Ti0.04FeSb | 470 | 221 | 76039 | 5.70 | 0.00371 | 0.31 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.96Ti0.04FeSb | 570 | 246 | 67300 | 5.20 | 0.00406 | 0.45 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.96Ti0.04FeSb | 670 | 263 | 56925 | 4.82 | 0.00393 | 0.55 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.96Ti0.04FeSb | 970 | 299 | 36100 | 3.85 | 0.00323 | 0.81 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 304 | 182 | 43600 | 8.52 | 0.00142 | 0.05 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 370 | 208 | 49000 | 7.73 | 0.00211 | 0.10 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 470 | 237 | 51500 | 6.80 | 0.00288 | 0.20 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 570 | 263 | 46900 | 6.13 | 0.00322 | 0.30 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 670 | 278 | 40700 | 5.59 | 0.00310 | 0.38 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 770 | 298 | 34000 | 5.14 | 0.00301 | 0.45 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 870 | 306 | 29250 | 4.72 | 0.00273 | 0.50 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ta0.98Ti0.02FeSb | 970 | 319 | 25300 | 4.38 | 0.00257 | 0.57 | https://doi.org/10.1038/s41467-018-08223-5 |
| TaFeSb | 670 | 69 | 2908 | 5.48 | 0.00001 | 0.00 | https://doi.org/10.1038/s41467-018-08223-5 |
| TaFeSb | 770 | 98 | 3324 | 5.02 | 0.00003 | 0.00 | https://doi.org/10.1038/s41467-018-08223-5 |
| TaFeSb | 870 | 114 | 4155 | 4.64 | 0.00005 | 0.01 | https://doi.org/10.1038/s41467-018-08223-5 |
| TaFeSb | 970 | 118 | 5817 | 4.46 | 0.00008 | 0.02 | https://doi.org/10.1038/s41467-018-08223-5 |
| Ca3Co2O6 | 373 | 227 | 17 | 7.43 | 0.00000 | 0.00 | https://doi.org/10.1063/1.1622115 |
| Ca3Co2O6 | 473 | 214 | 111 | 6.71 | 0.00001 | 0.00 | https://doi.org/10.1063/1.1622115 |
| Ca3Co2O6 | 573 | 174 | 630 | 6.00 | 0.00002 | 0.00 | https://doi.org/10.1063/1.1622115 |
| Ca3Co2O6 | 673 | 157 | 2000 | 5.33 | 0.00005 | 0.01 | https://doi.org/10.1063/1.1622115 |
| Ca3Co2O6 | 773 | 146 | 4570 | 4.64 | 0.00010 | 0.02 | https://doi.org/10.1063/1.1622115 |
| Ca3Co2O6 | 873 | 142 | 8100 | 3.87 | 0.00016 | 0.04 | https://doi.org/10.1063/1.1622115 |
| Ca3Co2O6 | 973 | 149 | 11111 | 3.17 | 0.00025 | 0.08 | https://doi.org/10.1063/1.1622115 |
| Ca3Co2O6 | 1073 | 160 | 13500 | 2.44 | 0.00035 | 0.15 | https://doi.org/10.1063/1.1622115 |

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|---|---|---|---|---|---|---|---|
| Tl2GeTe3 | 323 | 201 | 2850 | 0.31 | 0.00012 | 0.12 | https://doi.org/10.1063/1.2181427 |
| Tl2GeTe3 | 373 | 212 | 3350 | 0.30 | 0.00016 | 0.19 | https://doi.org/10.1063/1.2181427 |
| Tl2GeTe3 | 423 | 228 | 3200 | 0.29 | 0.00017 | 0.24 | https://doi.org/10.1063/1.2181427 |
| Tl2GeTe3 | 473 | 235 | 3030 | 0.27 | 0.00016 | 0.29 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 373 | 47 | 53500 | 1.03 | 0.00011 | 0.04 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 323 | 52 | 81800 | 1.20 | 0.00017 | 0.06 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 423 | 67 | 39900 | 0.82 | 0.00018 | 0.09 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 473 | 95 | 27500 | 0.73 | 0.00025 | 0.16 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 523 | 130 | 19900 | 0.63 | 0.00033 | 0.27 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 573 | 166 | 14500 | 0.55 | 0.00041 | 0.43 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 623 | 204 | 11200 | 0.52 | 0.00047 | 0.56 | https://doi.org/10.1063/1.2181427 |
| Tl4PbTe3 | 673 | 235 | 9800 | 0.49 | 0.00052 | 0.72 | https://doi.org/10.1063/1.2181427 |
| Tl4SnTe3 | 323 | 126 | 28700 | 0.52 | 0.00046 | 0.27 | https://doi.org/10.1063/1.2181427 |
| Tl4SnTe3 | 373 | 124 | 23700 | 0.46 | 0.00036 | 0.29 | https://doi.org/10.1063/1.2181427 |
| Tl4SnTe3 | 423 | 145 | 20000 | 0.45 | 0.00042 | 0.39 | https://doi.org/10.1063/1.2181427 |
| Tl4SnTe3 | 473 | 160 | 18200 | 0.45 | 0.00046 | 0.48 | https://doi.org/10.1063/1.2181427 |
| Tl4SnTe3 | 523 | 175 | 16400 | 0.47 | 0.00049 | 0.55 | https://doi.org/10.1063/1.2181427 |
| Tl4SnTe3 | 623 | 200 | 13000 | 0.49 | 0.00054 | 0.67 | https://doi.org/10.1063/1.2181427 |
| Tl4SnTe3 | 673 | 212 | 12450 | 0.50 | 0.00055 | 0.74 | https://doi.org/10.1063/1.2181427 |
| Ba0.03Co4Sb12 | 300 | -220 | 39900 | 5.41 | 0.00193 | 0.11 | https://doi.org/10.1063/1.2920210 |
| Ba0.03Co4Sb12 | 400 | -244 | 34000 | 4.75 | 0.00203 | 0.17 | https://doi.org/10.1063/1.2920210 |
| Ba0.03Co4Sb12 | 500 | -244 | 27660 | 4.08 | 0.00165 | 0.20 | https://doi.org/10.1063/1.2920210 |
| Ba0.03Co4Sb12 | 800 | -161 | 37234 | 3.83 | 0.00097 | 0.20 | https://doi.org/10.1063/1.2920210 |
| Ba0.03Co4Sb12 | 700 | -185 | 32978 | 3.73 | 0.00113 | 0.21 | https://doi.org/10.1063/1.2920210 |
| Ba0.03Co4Sb12 | 600 | -215 | 29787 | 3.71 | 0.00138 | 0.22 | https://doi.org/10.1063/1.2920210 |
| Ba0.05Yb0.09Co4Sb12 | 300 | -158 | 112400 | 2.81 | 0.00279 | 0.29 | https://doi.org/10.1063/1.2920210 |
| Ba0.05Yb0.09Co4Sb12 | 400 | -186 | 100000 | 2.75 | 0.00346 | 0.51 | https://doi.org/10.1063/1.2920210 |
| Ba0.05Yb0.09Co4Sb12 | 600 | -226 | 82600 | 2.47 | 0.00421 | 1.02 | https://doi.org/10.1063/1.2920210 |
| Ba0.05Yb0.09Co4Sb12 | 800 | -236 | 78191 | 2.59 | 0.00434 | 1.28 | https://doi.org/10.1063/1.2920210 |
| Ba0.08Yb0.09Co4Sb12 | 300 | -126 | 206600 | 2.51 | 0.00329 | 0.38 | https://doi.org/10.1063/1.2920210 |
| Ba0.08Yb0.09Co4Sb12 | 400 | -145 | 172340 | 2.53 | 0.00362 | 0.57 | https://doi.org/10.1063/1.2920210 |
| Ba0.08Yb0.09Co4Sb12 | 600 | -176 | 138000 | 2.45 | 0.00425 | 1.03 | https://doi.org/10.1063/1.2920210 |
| Ba0.08Yb0.09Co4Sb12 | 700 | -184 | 122000 | 2.41 | 0.00413 | 1.20 | https://doi.org/10.1063/1.2920210 |
| Ba0.08Yb0.09Co4Sb12 | 800 | -191 | 114400 | 2.47 | 0.00419 | 1.30 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.03Co4Sb12 | 300 | -115 | 178700 | 3.20 | 0.00236 | 0.22 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.03Co4Sb12 | 400 | -137 | 150000 | 3.28 | 0.00280 | 0.34 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.03Co4Sb12 | 500 | -154 | 130800 | 3.23 | 0.00309 | 0.48 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.03Co4Sb12 | 600 | -167 | 119000 | 3.11 | 0.00331 | 0.63 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.03Co4Sb12 | 700 | -176 | 111170 | 3.04 | 0.00342 | 0.78 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.08Co4Sb12 | 300 | -107 | 211500 | 2.38 | 0.00242 | 0.30 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.08Co4Sb12 | 400 | -127 | 177300 | 2.42 | 0.00286 | 0.47 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.08Co4Sb12 | 500 | -145 | 154000 | 2.39 | 0.00322 | 0.67 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.08Co4Sb12 | 600 | -159 | 135100 | 2.35 | 0.00342 | 0.86 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.08Co4Sb12 | 700 | -168 | 123404 | 2.32 | 0.00348 | 1.05 | https://doi.org/10.1063/1.2920210 |
| Ba0.11Yb0.08Co4Sb12 | 800 | -179 | 112600 | 2.32 | 0.00359 | 1.24 | https://doi.org/10.1063/1.2920210 |
| Ba0.15Yb0.01Co4Sb12 | 300 | -125 | 179700 | 4.35 | 0.00281 | 0.19 | https://doi.org/10.1063/1.2920210 |
| Ba0.15Yb0.01Co4Sb12 | 400 | -146 | 144000 | 4.04 | 0.00308 | 0.32 | https://doi.org/10.1063/1.2920210 |
| Ba0.15Yb0.01Co4Sb12 | 500 | -165 | 127500 | 3.82 | 0.00347 | 0.45 | https://doi.org/10.1063/1.2920210 |
| Ba0.15Yb0.01Co4Sb12 | 600 | -179 | 113000 | 3.62 | 0.00362 | 0.60 | https://doi.org/10.1063/1.2920210 |
| Ba0.15Yb0.01Co4Sb12 | 800 | -190 | 100000 | 3.55 | 0.00362 | 0.82 | https://doi.org/10.1063/1.2920210 |
| Ag3.4Mo9Se11 | 350 | 71 | 58000 | 1.26 | 0.00029 | 0.08 | https://doi.org/10.1063/1.3579261 |
| Ag3.4Mo9Se11 | 447 | 87 | 48800 | 1.23 | 0.00037 | 0.13 | https://doi.org/10.1063/1.3579261 |
| Ag3.4Mo9Se11 | 547 | 104 | 41950 | 1.20 | 0.00046 | 0.21 | https://doi.org/10.1063/1.3579261 |
| Ag3.4Mo9Se11 | 645 | 120 | 36750 | 1.16 | 0.00053 | 0.29 | https://doi.org/10.1063/1.3579261 |
| Ag3.4Mo9Se11 | 743 | 133 | 33250 | 1.12 | 0.00059 | 0.38 | https://doi.org/10.1063/1.3579261 |
| Ag3.5Mo9Se11 | 350 | 70 | 57600 | 1.22 | 0.00028 | 0.08 | https://doi.org/10.1063/1.3579261 |
| Ag3.5Mo9Se11 | 447 | 90 | 48100 | 1.18 | 0.00039 | 0.15 | https://doi.org/10.1063/1.3579261 |
| Ag3.5Mo9Se11 | 547 | 108 | 41500 | 1.15 | 0.00048 | 0.23 | https://doi.org/10.1063/1.3579261 |

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|---|---|---|---|---|---|---|---|
| Ag3.5Mo9Se11 | 645 | 124 | 36400 | 1.12 | 0.00056 | 0.32 | https://doi.org/10.1063/1.3579261 |
| Ag3.5Mo9Se11 | 743 | 139 | 32300 | 1.10 | 0.00062 | 0.42 | https://doi.org/10.1063/1.3579261 |
| Ag3.7Mo9Se11 | 350 | 74 | 55400 | 1.18 | 0.00030 | 0.09 | https://doi.org/10.1063/1.3579261 |
| Ag3.7Mo9Se11 | 447 | 94 | 47100 | 1.16 | 0.00041 | 0.16 | https://doi.org/10.1063/1.3579261 |
| Ag3.7Mo9Se11 | 547 | 113 | 40700 | 1.14 | 0.00052 | 0.25 | https://doi.org/10.1063/1.3579261 |
| Ag3.7Mo9Se11 | 645 | 128 | 35967 | 1.13 | 0.00059 | 0.34 | https://doi.org/10.1063/1.3579261 |
| Ag3.7Mo9Se11 | 743 | 144 | 31700 | 1.11 | 0.00066 | 0.44 | https://doi.org/10.1063/1.3579261 |
| Ag3.8Mo9Se11 | 350 | 92 | 35800 | 0.85 | 0.00031 | 0.13 | https://doi.org/10.1063/1.3579261 |
| Ag3.8Mo9Se11 | 447 | 118 | 30300 | 0.84 | 0.00042 | 0.22 | https://doi.org/10.1063/1.3579261 |
| Ag3.8Mo9Se11 | 547 | 139 | 25900 | 0.82 | 0.00050 | 0.33 | https://doi.org/10.1063/1.3579261 |
| Ag3.8Mo9Se11 | 645 | 158 | 22700 | 0.80 | 0.00056 | 0.45 | https://doi.org/10.1063/1.3579261 |
| Ag3.8Mo9Se11 | 743 | 172 | 20400 | 0.78 | 0.00060 | 0.57 | https://doi.org/10.1063/1.3579261 |
| Ag3.9Mo9Se11 | 350 | 98 | 30250 | 0.78 | 0.00029 | 0.13 | https://doi.org/10.1063/1.3579261 |
| Ag3.9Mo9Se11 | 447 | 125 | 25285 | 0.77 | 0.00039 | 0.23 | https://doi.org/10.1063/1.3579261 |
| Ag3.9Mo9Se11 | 547 | 147 | 21556 | 0.76 | 0.00046 | 0.33 | https://doi.org/10.1063/1.3579261 |
| Ag3.9Mo9Se11 | 645 | 166 | 18600 | 0.75 | 0.00051 | 0.44 | https://doi.org/10.1063/1.3579261 |
| Ag3.9Mo9Se11 | 743 | 182 | 16500 | 0.74 | 0.00054 | 0.55 | https://doi.org/10.1063/1.3579261 |
| BaDyCo4O7 | 368 | 143 | 77 | 0.61 | 0.00000 | 0.00 | https://doi.org/10.1063/1.3663526 |
| BaErCo4O7 | 368 | 132 | 94 | 0.62 | 0.00000 | 0.00 | https://doi.org/10.1063/1.3663526 |
| BaHoCo4O7 | 368 | 134 | 87 | 0.58 | 0.00000 | 0.00 | https://doi.org/10.1063/1.3663526 |
| BaLuCo4O7 | 368 | 128 | 99 | 0.59 | 0.00000 | 0.00 | https://doi.org/10.1063/1.3663526 |
| BaTmCo4O7 | 368 | 130 | 108 | 0.56 | 0.00000 | 0.00 | https://doi.org/10.1063/1.3663526 |
| In0.005Pb0.995Te0.994I0.006 | 378 | -153 | 81875 | 1.88 | 0.00192 | 0.38 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.994I0.006 | 428 | -160 | 72200 | 1.80 | 0.00185 | 0.44 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.994I0.006 | 481 | -166 | 62900 | 1.70 | 0.00173 | 0.49 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.994I0.006 | 533 | -164 | 55300 | 1.59 | 0.00149 | 0.50 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.994I0.006 | 585 | -162 | 49048 | 1.49 | 0.00129 | 0.50 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.994I0.006 | 637 | -162 | 44450 | 1.42 | 0.00117 | 0.52 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.994I0.006 | 663 | -162 | 43010 | 1.41 | 0.00113 | 0.53 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.996I0.004 | 378 | -191 | 49400 | 1.83 | 0.00181 | 0.38 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.996I0.004 | 428 | -200 | 42700 | 1.76 | 0.00171 | 0.42 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.996I0.004 | 481 | -207 | 37350 | 1.64 | 0.00161 | 0.47 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.996I0.004 | 533 | -209 | 34000 | 1.55 | 0.00148 | 0.51 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.996I0.004 | 585 | -208 | 31410 | 1.48 | 0.00136 | 0.54 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.996I0.004 | 663 | -203 | 28100 | 1.43 | 0.00116 | 0.54 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.996I0.004 | 637 | -207 | 28900 | 1.43 | 0.00124 | 0.54 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.998I0.002 | 378 | -222 | 33594 | 1.64 | 0.00166 | 0.38 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.998I0.002 | 428 | -232 | 28100 | 1.53 | 0.00151 | 0.42 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.998I0.002 | 481 | -239 | 23968 | 1.45 | 0.00137 | 0.45 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.998I0.002 | 533 | -238 | 21550 | 1.35 | 0.00122 | 0.48 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.998I0.002 | 585 | -238 | 19841 | 1.31 | 0.00112 | 0.50 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.998I0.002 | 637 | -234 | 18260 | 1.27 | 0.00100 | 0.50 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.998I0.002 | 663 | -231 | 17936 | 1.27 | 0.00096 | 0.50 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.999I0.001 | 378 | -255 | 23016 | 1.73 | 0.00149 | 0.32 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.999I0.001 | 428 | -261 | 18890 | 1.60 | 0.00128 | 0.34 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.999I0.001 | 663 | -255 | 11770 | 1.37 | 0.00077 | 0.37 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.999I0.001 | 481 | -269 | 16000 | 1.47 | 0.00115 | 0.38 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.999I0.001 | 637 | -261 | 12000 | 1.36 | 0.00082 | 0.38 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.999I0.001 | 533 | -269 | 14150 | 1.38 | 0.00103 | 0.40 | https://doi.org/10.1063/1.3694742 |
| In0.005Pb0.995Te0.999I0.001 | 585 | -269 | 13050 | 1.35 | 0.00094 | 0.41 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.994I0.006 | 378 | -202 | 30470 | 1.74 | 0.00126 | 0.27 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.994I0.006 | 428 | -213 | 27700 | 1.59 | 0.00125 | 0.34 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.994I0.006 | 481 | -220 | 25300 | 1.52 | 0.00122 | 0.39 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.994I0.006 | 533 | -220 | 24200 | 1.44 | 0.00117 | 0.44 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.994I0.006 | 637 | -220 | 22800 | 1.36 | 0.00100 | 0.51 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.996I0.004 | 481 | -230 | 20780 | 1.40 | 0.00110 | 0.38 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.996I0.004 | 533 | -231 | 20100 | 1.33 | 0.00108 | 0.43 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.996I0.004 | 585 | -230 | 19900 | 1.29 | 0.00106 | 0.47 | https://doi.org/10.1063/1.3694742 |

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|---|---|---|---|---|---|---|---|
| In0.015Pb0.985Te0.996I0.004 | 637 | -225 | 19800 | 1.26 | 0.00101 | 0.51 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.996I0.004 | 663 | -226 | 19688 | 1.26 | 0.00100 | 0.53 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.998I0.002 | 378 | -209 | 19730 | 1.68 | 0.00086 | 0.19 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.998I0.002 | 533 | -236 | 15900 | 1.43 | 0.00088 | 0.33 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.998I0.002 | 585 | -239 | 15780 | 1.39 | 0.00090 | 0.37 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.998I0.002 | 637 | -233 | 15750 | 1.36 | 0.00085 | 0.40 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.998I0.002 | 663 | -233 | 15703 | 1.35 | 0.00085 | 0.42 | https://doi.org/10.1063/1.3694742 |
| In0.015Pb0.985Te0.998I0.002 | 585 | -235 | 13250 | 1.39 | 0.00073 | 0.30 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.994I0.006 | 378 | -179 | 57900 | 1.77 | 0.00186 | 0.40 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.994I0.006 | 428 | -187 | 49000 | 1.66 | 0.00170 | 0.44 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.994I0.006 | 481 | -193 | 42100 | 1.56 | 0.00156 | 0.48 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.994I0.006 | 533 | -195 | 37970 | 1.49 | 0.00145 | 0.52 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.994I0.006 | 585 | -200 | 34600 | 1.42 | 0.00138 | 0.56 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.994I0.006 | 663 | -202 | 30625 | 1.37 | 0.00124 | 0.59 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.994I0.006 | 637 | -202 | 31406 | 1.38 | 0.00128 | 0.59 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.996I0.004 | 378 | -202 | 40625 | 1.64 | 0.00167 | 0.38 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.996I0.004 | 428 | -211 | 35200 | 1.58 | 0.00157 | 0.42 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.998I0.002 | 428 | -239 | 23350 | 1.61 | 0.00134 | 0.35 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.998I0.002 | 481 | -253 | 20500 | 1.51 | 0.00131 | 0.42 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.998I0.002 | 533 | -259 | 19100 | 1.44 | 0.00128 | 0.47 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.998I0.002 | 585 | -256 | 18125 | 1.38 | 0.00119 | 0.50 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.998I0.002 | 637 | -251 | 17000 | 1.36 | 0.00115 | 0.50 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.998I0.002 | 663 | -248 | 16984 | 1.35 | 0.00105 | 0.51 | https://doi.org/10.1063/1.3694742 |
| In0.01Pb0.99Te0.999I0.001 | 533 | -224 | 15560 | 1.39 | 0.00078 | 0.30 | https://doi.org/10.1063/1.3694742 |
| Mo3Sb7 | 723 | 39 | 425000 | 6.82 | 0.00065 | 0.07 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7 | 823 | 45 | 401150 | 6.97 | 0.00080 | 0.09 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I | 523 | 36 | 494500 | 5.77 | 0.00065 | 0.06 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I | 623 | 42 | 460700 | 6.20 | 0.00083 | 0.09 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I | 723 | 50 | 431500 | 6.38 | 0.00107 | 0.12 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I | 823 | 55 | 397325 | 6.52 | 0.00123 | 0.16 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I0.75 | 323 | 17 | 624500 | 5.00 | 0.00019 | 0.01 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I0.75 | 423 | 25 | 569400 | 5.56 | 0.00034 | 0.03 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I0.75 | 523 | 32 | 511222 | 5.91 | 0.00051 | 0.05 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I0.75 | 623 | 39 | 477200 | 6.29 | 0.00071 | 0.07 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I0.75 | 723 | 46 | 447150 | 6.49 | 0.00093 | 0.10 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I0.75 | 823 | 49 | 421810 | 6.56 | 0.00102 | 0.13 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.25 | 323 | 21 | 571800 | 4.70 | 0.00026 | 0.02 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.25 | 423 | 28 | 523600 | 5.19 | 0.00042 | 0.03 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.25 | 523 | 36 | 483500 | 5.60 | 0.00062 | 0.06 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.25 | 623 | 43 | 451050 | 5.87 | 0.00084 | 0.09 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.25 | 720 | 51 | 422250 | 6.03 | 0.00109 | 0.13 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.25 | 820 | 58 | 400000 | 6.21 | 0.00133 | 0.17 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.5 | 323 | 7 | 497000 | 4.31 | 0.00002 | 0.00 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.5 | 423 | 14 | 456500 | 4.71 | 0.00009 | 0.01 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.5 | 523 | 21 | 422000 | 5.13 | 0.00019 | 0.02 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.5 | 623 | 28 | 392400 | 5.39 | 0.00031 | 0.04 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.5 | 723 | 36 | 366600 | 5.59 | 0.00047 | 0.06 | https://doi.org/10.1063/1.5144156 |
| Mo3Sb7I1.5 | 823 | 43 | 343854 | 5.79 | 0.00062 | 0.09 | https://doi.org/10.1063/1.5144156 |
| Eu2Zn0.96Sb2 | 300 | 113 | 25918 | 0.54 | 0.00033 | 0.18 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.96Sb2 | 473 | 160 | 20850 | 0.50 | 0.00053 | 0.51 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.96Sb2 | 623 | 195 | 16224 | 0.47 | 0.00062 | 0.82 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.96Sb2 | 723 | 200 | 14898 | 0.47 | 0.00060 | 0.92 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.96Sb2 | 823 | 193 | 15340 | 0.50 | 0.00057 | 0.94 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.98Sb2 | 300 | 142 | 18000 | 0.50 | 0.00036 | 0.22 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.98Sb2 | 473 | 197 | 13470 | 0.46 | 0.00052 | 0.54 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.98Sb2 | 623 | 233 | 10646 | 0.44 | 0.00058 | 0.83 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.98Sb2 | 723 | 235 | 10408 | 0.45 | 0.00057 | 0.94 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2Zn0.98Sb2 | 823 | 216 | 12211 | 0.48 | 0.00057 | 1.00 | https://doi.org/10.1073/pnas.1819157116 |

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|---|---|---|---|---|---|---|---|
| Eu2ZnSb2 | 300 | 250 | 3231 | 0.43 | 0.00020 | 0.14 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2ZnSb2 | 473 | 317 | 3027 | 0.40 | 0.00030 | 0.36 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2ZnSb2 | 623 | 323 | 3333 | 0.41 | 0.00035 | 0.53 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2ZnSb2 | 823 | 220 | 6600 | 0.47 | 0.00032 | 0.56 | https://doi.org/10.1073/pnas.1819157116 |
| Eu2ZnSb2 | 723 | 288 | 4320 | 0.42 | 0.00036 | 0.62 | https://doi.org/10.1073/pnas.1819157116 |
| Tl0.1Co4Sb12 | 50 | -33 | 224444 | 4.12 | 0.00024 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.1Co4Sb12 | 100 | -76 | 171180 | 4.82 | 0.00098 | 0.02 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.1Co4Sb12 | 150 | -98 | 124691 | 4.00 | 0.00120 | 0.05 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.1Co4Sb12 | 250 | -159 | 86325 | 3.93 | 0.00218 | 0.14 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.22Co4Sb12 | 50 | -23 | 306060 | 2.90 | 0.00017 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.22Co4Sb12 | 100 | -54 | 214894 | 3.90 | 0.00062 | 0.02 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.22Co4Sb12 | 150 | -73 | 162903 | 3.65 | 0.00087 | 0.04 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.22Co4Sb12 | 200 | -93 | 134667 | 3.56 | 0.00115 | 0.06 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.22Co4Sb12 | 250 | -105 | 118824 | 3.52 | 0.00132 | 0.09 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.7Co4Sn0.75Sb11.25 | 50 | -15 | 47867 | 2.61 | 0.00001 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.7Co4Sn0.75Sb11.25 | 150 | -32 | 46977 | 2.33 | 0.00005 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.7Co4Sn0.75Sb11.25 | 200 | -41 | 46544 | 2.29 | 0.00008 | 0.01 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.7Co4Sn0.75Sb11.25 | 250 | -50 | 46330 | 2.38 | 0.00012 | 0.01 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.8Co4SnSb11 | 50 | 1 | 123171 | 2.28 | 0.00000 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.8Co4SnSb11 | 100 | 4 | 114773 | 2.58 | 0.00000 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.8Co4SnSb11 | 150 | 7 | 107447 | 2.22 | 0.00000 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.8Co4SnSb11 | 200 | 10 | 100000 | 2.24 | 0.00001 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| Tl0.8Co4SnSb11 | 250 | 15 | 90990 | 2.26 | 0.00002 | 0.00 | https://doi.org/10.1103/PhysRevB.61.2475 |
| PbTe | 323 | -231 | 22500 | 2.17 | 0.00120 | 0.18 | https://doi.org/10.1021/acsami.1c14518 |
| PbTe | 428 | -270 | 24079 | 1.58 | 0.00175 | 0.48 | https://doi.org/10.1021/acsami.1c14518 |
| PbTe | 529 | -308 | 17961 | 1.30 | 0.00170 | 0.71 | https://doi.org/10.1021/acsami.1c14518 |
| PbTe | 629 | -320 | 13224 | 1.19 | 0.00136 | 0.74 | https://doi.org/10.1021/acsami.1c14518 |
| PbTe | 724 | -298 | 12039 | 1.19 | 0.00107 | 0.65 | https://doi.org/10.1021/acsami.1c14518 |
| PbTe | 821 | -264 | 13026 | 1.31 | 0.00091 | 0.57 | https://doi.org/10.1021/acsami.1c14518 |
| PbZn0.015Te | 320 | -249 | 57200 | 2.08 | 0.00354 | 0.55 | https://doi.org/10.1021/acsami.1c14518 |
| PbZn0.015Te | 421 | -293 | 27830 | 1.52 | 0.00238 | 0.67 | https://doi.org/10.1021/acsami.1c14518 |
| PbZn0.015Te | 520 | -326 | 15980 | 1.24 | 0.00170 | 0.73 | https://doi.org/10.1021/acsami.1c14518 |
| PbZn0.015Te | 618 | -297 | 18800 | 1.12 | 0.00165 | 0.94 | https://doi.org/10.1021/acsami.1c14518 |
| PbZn0.015Te | 716 | -269 | 23200 | 1.09 | 0.00168 | 1.10 | https://doi.org/10.1021/acsami.1c14518 |
| PbZn0.015Te | 811 | -239 | 27000 | 1.14 | 0.00155 | 1.10 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.995Zn0.02Te | 318 | -213 | 80921 | 2.28 | 0.00367 | 0.50 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.995Zn0.02Te | 419 | -268 | 40600 | 1.66 | 0.00292 | 0.74 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.995Zn0.02Te | 520 | -313 | 22730 | 1.31 | 0.00222 | 0.88 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.995Zn0.02Te | 622 | -312 | 21908 | 1.16 | 0.00214 | 1.16 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.995Zn0.02Te | 724 | -288 | 24420 | 1.11 | 0.00202 | 1.32 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.995Zn0.02Te | 825 | -261 | 27039 | 1.15 | 0.00184 | 1.33 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.985Zn0.03Te | 318 | -171 | 105000 | 2.42 | 0.00308 | 0.40 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.985Zn0.03Te | 419 | -217 | 53200 | 1.79 | 0.00251 | 0.59 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.985Zn0.03Te | 520 | -265 | 29400 | 1.39 | 0.00207 | 0.78 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.985Zn0.03Te | 622 | -276 | 24868 | 1.18 | 0.00190 | 1.00 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.985Zn0.03Te | 724 | -267 | 25066 | 1.11 | 0.00178 | 1.17 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.985Zn0.03Te | 825 | -250 | 25855 | 1.12 | 0.00162 | 1.20 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.98Zn0.035Te | 318 | -161 | 114276 | 2.59 | 0.00296 | 0.36 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.98Zn0.035Te | 419 | -209 | 59400 | 1.91 | 0.00259 | 0.57 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.98Zn0.035Te | 520 | -254 | 33400 | 1.47 | 0.00215 | 0.76 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.98Zn0.035Te | 618 | -276 | 27240 | 1.24 | 0.00208 | 1.05 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.98Zn0.035Te | 719 | -274 | 25860 | 1.14 | 0.00194 | 1.22 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.98Zn0.035Te | 821 | -256 | 26450 | 1.16 | 0.00173 | 1.24 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.975Zn0.04Te | 323 | -150 | 130530 | 2.75 | 0.00294 | 0.34 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.975Zn0.04Te | 423 | -192 | 68450 | 1.94 | 0.00251 | 0.55 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.975Zn0.04Te | 520 | -233 | 38400 | 1.51 | 0.00208 | 0.72 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.975Zn0.04Te | 622 | -251 | 30600 | 1.28 | 0.00193 | 0.94 | https://doi.org/10.1021/acsami.1c14518 |
| Pb0.975Zn0.04Te | 724 | -253 | 28030 | 1.16 | 0.00180 | 1.12 | https://doi.org/10.1021/acsami.1c14518 |

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|---|---|---|---|---|---|---|---|
| Pb0.975Zn0.04Te | 825 | -242 | 27829 | 1.18 | 0.00164 | 1.14 | https://doi.org/10.1021/acsami.1c14518 |
| Cu7PSe6 | 325 | 133 | 507 | 0.25 | 0.00001 | 0.01 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PSe6 | 422 | 180 | 2452 | 0.26 | 0.00008 | 0.13 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PSe6 | 523 | 205 | 4079 | 0.30 | 0.00017 | 0.30 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PSe6 | 623 | 220 | 3613 | 0.32 | 0.00017 | 0.34 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PSe6 | 673 | 231 | 3401 | 0.33 | 0.00018 | 0.37 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.25Se0.75)6 | 325 | 216 | 2308 | 0.27 | 0.00011 | 0.13 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.25Se0.75)6 | 422 | 233 | 2452 | 0.29 | 0.00013 | 0.20 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.25Se0.75)6 | 523 | 221 | 4670 | 0.31 | 0.00023 | 0.38 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.25Se0.75)6 | 623 | 222 | 6234 | 0.32 | 0.00031 | 0.60 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.25Se0.75)6 | 673 | 238 | 5140 | 0.31 | 0.00029 | 0.63 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.5Se0.5)6 | 325 | 256 | 1000 | 0.25 | 0.00007 | 0.08 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.5Se0.5)6 | 422 | 260 | 1250 | 0.26 | 0.00008 | 0.14 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.5Se0.5)6 | 523 | 250 | 2840 | 0.29 | 0.00018 | 0.32 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.5Se0.5)6 | 623 | 265 | 4604 | 0.29 | 0.00032 | 0.69 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.5Se0.5)6 | 673 | 280 | 4079 | 0.29 | 0.00032 | 0.75 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.55Se0.45)6 | 325 | 283 | 398 | 0.24 | 0.00003 | 0.04 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.55Se0.45)6 | 422 | 282 | 875 | 0.23 | 0.00007 | 0.13 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.55Se0.45)6 | 523 | 284 | 1580 | 0.23 | 0.00013 | 0.29 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.55Se0.45)6 | 623 | 286 | 1926 | 0.22 | 0.00016 | 0.44 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.55Se0.45)6 | 673 | 272 | 2300 | 0.22 | 0.00017 | 0.53 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.6Se0.4)6 | 325 | 289 | 379 | 0.22 | 0.00003 | 0.05 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.6Se0.4)6 | 422 | 313 | 687 | 0.21 | 0.00007 | 0.14 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.6Se0.4)6 | 523 | 276 | 1990 | 0.23 | 0.00015 | 0.35 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.6Se0.4)6 | 623 | 286 | 2255 | 0.22 | 0.00018 | 0.52 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.6Se0.4)6 | 673 | 293 | 2220 | 0.20 | 0.00019 | 0.63 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.65Se0.35)6 | 325 | 253 | 223 | 0.24 | 0.00001 | 0.02 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.65Se0.35)6 | 422 | 297 | 559 | 0.21 | 0.00005 | 0.10 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.65Se0.35)6 | 523 | 280 | 1665 | 0.23 | 0.00013 | 0.30 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.65Se0.35)6 | 623 | 298 | 1693 | 0.23 | 0.00015 | 0.41 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.65Se0.35)6 | 673 | 303 | 1675 | 0.21 | 0.00015 | 0.49 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.75Se0.25)6 | 325 | 403 | 16 | 0.24 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.75Se0.25)6 | 422 | 359 | 190 | 0.19 | 0.00002 | 0.05 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.75Se0.25)6 | 523 | 298 | 1306 | 0.22 | 0.00012 | 0.28 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.75Se0.25)6 | 623 | 310 | 1585 | 0.22 | 0.00015 | 0.43 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7P(S0.75Se0.25)6 | 673 | 314 | 1667 | 0.22 | 0.00016 | 0.51 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PS6 | 325 | 98 | 2 | 0.23 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PS6 | 422 | 125 | 7 | 0.20 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PS6 | 523 | 223 | 142 | 0.16 | 0.00001 | 0.02 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PS6 | 623 | 270 | 370 | 0.20 | 0.00003 | 0.09 | https://doi.org/10.1021/acsami.1c11193 |
| Cu7PS6 | 673 | 282 | 501 | 0.21 | 0.00004 | 0.13 | https://doi.org/10.1021/acsami.1c11193 |
| ZrNiSn | 376 | -101 | 36966 | 4.22 | 0.00038 | 0.03 | https://doi.org/10.1021/acsami.1c05639 |
| ZrNiSn | 474 | -133 | 47448 | 3.74 | 0.00084 | 0.11 | https://doi.org/10.1021/acsami.1c05639 |
| ZrNiSn | 573 | -152 | 58897 | 3.57 | 0.00136 | 0.22 | https://doi.org/10.1021/acsami.1c05639 |
| ZrNiSn | 673 | -160 | 69790 | 3.49 | 0.00180 | 0.35 | https://doi.org/10.1021/acsami.1c05639 |
| ZrNiSn | 771 | -158 | 78180 | 3.59 | 0.00196 | 0.42 | https://doi.org/10.1021/acsami.1c05639 |
| ZrNiSn | 873 | -155 | 86806 | 3.71 | 0.00208 | 0.49 | https://doi.org/10.1021/acsami.1c05639 |
| ZrNiSn | 972 | -151 | 96111 | 3.95 | 0.00220 | 0.54 | https://doi.org/10.1021/acsami.1c05639 |
| Bi0.48Sb1.52Te3 | 300 | 228 | 64770 | 1.26 | 0.00337 | 0.80 | https://doi.org/10.1021/acsami.1c05525 |
| Bi0.48Sb1.52Te3 | 350 | 240 | 50000 | 1.22 | 0.00287 | 0.82 | https://doi.org/10.1021/acsami.1c05525 |
| Bi0.48Sb1.52Te3 | 400 | 233 | 41620 | 1.42 | 0.00227 | 0.64 | https://doi.org/10.1021/acsami.1c05525 |
| Bi0.48Sb1.52Te3 | 450 | 212 | 37584 | 1.72 | 0.00169 | 0.44 | https://doi.org/10.1021/acsami.1c05525 |
| Bi0.48Sb1.52Te3 | 500 | 181 | 35570 | 2.09 | 0.00117 | 0.27 | https://doi.org/10.1021/acsami.1c05525 |
| Cu12Sb4S13 | 324 | 74 | 103319 | 1.51 | 0.00056 | 0.12 | https://doi.org/10.1021/acsami.1c03493 |
| Cu12Sb4S13 | 425 | 88 | 97672 | 1.52 | 0.00075 | 0.21 | https://doi.org/10.1021/acsami.1c03493 |
| Cu12Sb4S13 | 525 | 100 | 91383 | 1.54 | 0.00092 | 0.31 | https://doi.org/10.1021/acsami.1c03493 |
| Cu12Sb4S13 | 625 | 113 | 83333 | 1.51 | 0.00106 | 0.44 | https://doi.org/10.1021/acsami.1c03493 |
| Cu12Sb4S13 | 724 | 137 | 63403 | 1.36 | 0.00119 | 0.63 | https://doi.org/10.1021/acsami.1c03493 |

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|---|---|---|---|---|---|---|---|
| Cu11.9Gd0.1Sb4S13 | 327 | 78 | 108427 | 1.48 | 0.00067 | 0.15 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.9Gd0.1Sb4S13 | 425 | 91 | 103987 | 1.50 | 0.00085 | 0.24 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.9Gd0.1Sb4S13 | 525 | 103 | 97870 | 1.50 | 0.00104 | 0.36 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.9Gd0.1Sb4S13 | 625 | 116 | 85398 | 1.50 | 0.00115 | 0.48 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.9Gd0.1Sb4S13 | 724 | 139 | 64592 | 1.37 | 0.00124 | 0.66 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.8Gd0.2Sb4S13 | 327 | 79 | 110412 | 1.41 | 0.00069 | 0.16 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.8Gd0.2Sb4S13 | 425 | 92 | 107701 | 1.43 | 0.00091 | 0.27 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.8Gd0.2Sb4S13 | 525 | 104 | 102008 | 1.45 | 0.00109 | 0.40 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.8Gd0.2Sb4S13 | 625 | 116 | 90019 | 1.44 | 0.00121 | 0.52 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.8Gd0.2Sb4S13 | 724 | 138 | 65650 | 1.31 | 0.00125 | 0.71 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.7Gd0.3Sb4S13 | 320 | 80 | 117112 | 1.39 | 0.00075 | 0.17 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.7Gd0.3Sb4S13 | 424 | 94 | 114608 | 1.42 | 0.00102 | 0.31 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.7Gd0.3Sb4S13 | 523 | 106 | 108671 | 1.43 | 0.00122 | 0.45 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.7Gd0.3Sb4S13 | 623 | 118 | 99280 | 1.46 | 0.00137 | 0.58 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.7Gd0.3Sb4S13 | 723 | 144 | 73220 | 1.33 | 0.00152 | 0.83 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.6Gd0.4Sb4S13 | 327 | 81 | 102008 | 1.30 | 0.00067 | 0.17 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.6Gd0.4Sb4S13 | 425 | 95 | 100000 | 1.33 | 0.00091 | 0.29 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.6Gd0.4Sb4S13 | 525 | 107 | 95734 | 1.37 | 0.00109 | 0.42 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.6Gd0.4Sb4S13 | 625 | 118 | 86315 | 1.39 | 0.00120 | 0.54 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.6Gd0.4Sb4S13 | 724 | 145 | 66010 | 1.31 | 0.00139 | 0.77 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.5Gd0.5Sb4S13 | 327 | 85 | 89851 | 1.39 | 0.00064 | 0.15 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.5Gd0.5Sb4S13 | 425 | 99 | 90336 | 1.41 | 0.00088 | 0.27 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.5Gd0.5Sb4S13 | 525 | 111 | 86937 | 1.42 | 0.00107 | 0.40 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.5Gd0.5Sb4S13 | 625 | 123 | 80821 | 1.44 | 0.00122 | 0.53 | https://doi.org/10.1021/acsami.1c03493 |
| Cu11.5Gd0.5Sb4S13 | 724 | 152 | 57372 | 1.34 | 0.00133 | 0.72 | https://doi.org/10.1021/acsami.1c03493 |
| Ag2Se | 297 | -133 | 180873 | 1.15 | 0.00320 | 0.83 | https://doi.org/10.1021/acsami.1c08410 |
| Ag2Se | 350 | -114 | 240896 | 1.49 | 0.00313 | 0.73 | https://doi.org/10.1021/acsami.1c08410 |
| Ag2Se | 374 | -103 | 286667 | 1.75 | 0.00304 | 0.63 | https://doi.org/10.1021/acsami.1c08410 |
| Ag2Se | 399 | -127 | 284768 | 2.07 | 0.00463 | 0.55 | https://doi.org/10.1021/acsami.1c08410 |
| Ag2Se | 423 | -88 | 139837 | 3.00 | 0.00107 | 0.15 | https://doi.org/10.1021/acsami.1c08410 |
| Ag2Se | 474 | -94 | 126638 | 3.03 | 0.00113 | 0.16 | https://doi.org/10.1021/acsami.1c08410 |
| Ag2Se | 524 | -100 | 118621 | 3.10 | 0.00119 | 0.19 | https://doi.org/10.1021/acsami.1c08410 |
| Ag2Se | 573 | -104 | 114210 | 3.08 | 0.00123 | 0.22 | https://doi.org/10.1021/acsami.1c08410 |
| NbCoSn | 375 | -195 | 58698 | 11.76 | 0.00224 | 0.07 | https://doi.org/10.1021/acsami.1c08127 |
| NbCoSn | 474 | -209 | 53254 | 10.48 | 0.00232 | 0.10 | https://doi.org/10.1021/acsami.1c08127 |
| NbCoSn | 576 | -214 | 47550 | 9.31 | 0.00218 | 0.14 | https://doi.org/10.1021/acsami.1c08127 |
| NbCoSn | 678 | -219 | 43077 | 8.78 | 0.00207 | 0.16 | https://doi.org/10.1021/acsami.1c08127 |
| NbCoSn | 779 | -229 | 37633 | 8.15 | 0.00197 | 0.19 | https://doi.org/10.1021/acsami.1c08127 |
| NbCoSn | 879 | -229 | 35030 | 7.64 | 0.00183 | 0.21 | https://doi.org/10.1021/acsami.1c08127 |
| NbCoSn | 970 | -231 | 32430 | 7.35 | 0.00173 | 0.23 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.98Ni0.02Sn | 387 | -128 | 84286 | 10.55 | 0.00137 | 0.05 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.98Ni0.02Sn | 498 | -147 | 70476 | 9.24 | 0.00152 | 0.08 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.98Ni0.02Sn | 605 | -162 | 59048 | 8.32 | 0.00155 | 0.11 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.98Ni0.02Sn | 704 | -168 | 52619 | 7.75 | 0.00148 | 0.13 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.98Ni0.02Sn | 804 | -178 | 47337 | 7.25 | 0.00149 | 0.17 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.98Ni0.02Sn | 904 | -188 | 40480 | 6.89 | 0.00143 | 0.19 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.98Ni0.02Sn | 1001 | -195 | 37160 | 6.62 | 0.00141 | 0.21 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.96Ni0.04Sn | 382 | -119 | 112426 | 9.65 | 0.00160 | 0.06 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.96Ni0.04Sn | 492 | -139 | 97278 | 8.57 | 0.00189 | 0.11 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.96Ni0.04Sn | 600 | -155 | 82604 | 7.80 | 0.00198 | 0.15 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.96Ni0.04Sn | 704 | -164 | 72189 | 7.26 | 0.00195 | 0.19 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.96Ni0.04Sn | 804 | -174 | 64142 | 6.69 | 0.00194 | 0.23 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.96Ni0.04Sn | 904 | -182 | 56568 | 6.32 | 0.00188 | 0.27 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.96Ni0.04Sn | 1002 | -186 | 51124 | 6.08 | 0.00178 | 0.29 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.94Ni0.06Sn | 382 | -56 | 188941 | 9.54 | 0.00060 | 0.02 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.94Ni0.06Sn | 487 | -69 | 164524 | 8.54 | 0.00077 | 0.04 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.94Ni0.06Sn | 594 | -81 | 142857 | 7.77 | 0.00093 | 0.07 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.94Ni0.06Sn | 697 | -86 | 128372 | 7.20 | 0.00094 | 0.09 | https://doi.org/10.1021/acsami.1c08127 |

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|---|---|---|---|---|---|---|---|
| NbCo0.94Ni0.06Sn | 798 | -95 | 112558 | 6.73 | 0.00102 | 0.12 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.94Ni0.06Sn | 898 | -108 | 96190 | 6.37 | 0.00113 | 0.16 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.94Ni0.06Sn | 998 | -112 | 91905 | 6.07 | 0.00116 | 0.19 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.92Ni0.08Sn | 382 | -75 | 165476 | 9.45 | 0.00093 | 0.04 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.92Ni0.08Sn | 492 | -89 | 146190 | 8.29 | 0.00116 | 0.07 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.92Ni0.08Sn | 600 | -105 | 126512 | 7.45 | 0.00139 | 0.11 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.92Ni0.08Sn | 704 | -116 | 111395 | 6.77 | 0.00151 | 0.16 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.92Ni0.08Sn | 804 | -130 | 98810 | 6.24 | 0.00166 | 0.21 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.92Ni0.08Sn | 904 | -135 | 90240 | 5.83 | 0.00164 | 0.25 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.92Ni0.08Sn | 1002 | -144 | 81429 | 5.55 | 0.00169 | 0.31 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.9Ni0.1Sn | 382 | -133 | 103529 | 9.26 | 0.00183 | 0.08 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.9Ni0.1Sn | 492 | -152 | 90952 | 8.10 | 0.00209 | 0.13 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.9Ni0.1Sn | 600 | -171 | 78333 | 7.27 | 0.00228 | 0.19 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.9Ni0.1Sn | 703 | -185 | 68571 | 6.69 | 0.00234 | 0.25 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.9Ni0.1Sn | 803 | -196 | 60118 | 6.19 | 0.00231 | 0.30 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.9Ni0.1Sn | 902 | -207 | 54201 | 5.83 | 0.00232 | 0.36 | https://doi.org/10.1021/acsami.1c08127 |
| NbCo0.9Ni0.1Sn | 1001 | -211 | 48284 | 5.50 | 0.00214 | 0.39 | https://doi.org/10.1021/acsami.1c08127 |
| GeTe | 325 | 30 | 718750 | 7.00 | 0.00065 | 0.03 | https://doi.org/10.1021/acsami.1c11599 |
| GeTe | 375 | 36 | 575000 | 6.28 | 0.00076 | 0.05 | https://doi.org/10.1021/acsami.1c11599 |
| GeTe | 425 | 44 | 460000 | 5.55 | 0.00089 | 0.07 | https://doi.org/10.1021/acsami.1c11599 |
| GeTe | 475 | 53 | 396552 | 4.85 | 0.00110 | 0.11 | https://doi.org/10.1021/acsami.1c11599 |
| GeTe | 525 | 67 | 310811 | 4.28 | 0.00141 | 0.17 | https://doi.org/10.1021/acsami.1c11599 |
| GeTe | 550 | 75 | 280488 | 4.00 | 0.00159 | 0.22 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.89In0.05Pb0.06Te | 325 | 137 | 63889 | 1.29 | 0.00120 | 0.30 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.89In0.05Pb0.06Te | 375 | 153 | 58081 | 1.25 | 0.00136 | 0.41 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.89In0.05Pb0.06Te | 425 | 171 | 52273 | 1.21 | 0.00152 | 0.53 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.89In0.05Pb0.06Te | 475 | 186 | 48117 | 1.19 | 0.00166 | 0.66 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.89In0.05Pb0.06Te | 525 | 186 | 54245 | 1.23 | 0.00187 | 0.80 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.89In0.05Pb0.06Te | 550 | 187 | 56373 | 1.27 | 0.00196 | 0.85 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.87In0.05Pb0.08Te | 325 | 162 | 52752 | 1.16 | 0.00138 | 0.39 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.87In0.05Pb0.08Te | 375 | 183 | 48117 | 1.11 | 0.00161 | 0.54 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.87In0.05Pb0.08Te | 425 | 207 | 43511 | 1.10 | 0.00187 | 0.72 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.87In0.05Pb0.08Te | 475 | 228 | 39860 | 1.11 | 0.00206 | 0.88 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.87In0.05Pb0.08Te | 525 | 217 | 50000 | 1.18 | 0.00236 | 1.05 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.87In0.05Pb0.08Te | 550 | 216 | 53241 | 1.23 | 0.00249 | 1.12 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.85In0.05Pb0.1Te | 325 | 199 | 33043 | 0.97 | 0.00131 | 0.44 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.85In0.05Pb0.1Te | 375 | 220 | 29040 | 0.95 | 0.00140 | 0.55 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.85In0.05Pb0.1Te | 425 | 242 | 27446 | 0.93 | 0.00161 | 0.73 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.85In0.05Pb0.1Te | 475 | 248 | 27913 | 0.95 | 0.00172 | 0.86 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.85In0.05Pb0.1Te | 525 | 239 | 34441 | 1.03 | 0.00197 | 1.01 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.85In0.05Pb0.1Te | 550 | 237 | 36076 | 1.11 | 0.00203 | 1.00 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.83In0.05Pb0.12Te | 325 | 212 | 19263 | 0.97 | 0.00087 | 0.29 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.83In0.05Pb0.12Te | 375 | 239 | 17319 | 0.95 | 0.00099 | 0.39 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.83In0.05Pb0.12Te | 425 | 254 | 16862 | 0.93 | 0.00109 | 0.50 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.83In0.05Pb0.12Te | 475 | 254 | 18489 | 0.95 | 0.00119 | 0.59 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.83In0.05Pb0.12Te | 525 | 239 | 25109 | 1.02 | 0.00143 | 0.74 | https://doi.org/10.1021/acsami.1c11599 |
| Ge0.83In0.05Pb0.12Te | 550 | 236 | 26995 | 1.09 | 0.00150 | 0.79 | https://doi.org/10.1021/acsami.1c11599 |
| SnSe | 300 | 168 | 462 | 1.73 | 0.00001 | 0.00 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe | 373 | 208 | 879 | 1.41 | 0.00004 | 0.01 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe | 473 | 243 | 3015 | 1.08 | 0.00018 | 0.08 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe | 573 | 287 | 5280 | 0.90 | 0.00043 | 0.28 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe | 673 | 325 | 5061 | 0.74 | 0.00054 | 0.48 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe | 773 | 316 | 4568 | 0.63 | 0.00046 | 0.56 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.9S0.1 | 300 | 186 | 530 | 1.42 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.9S0.1 | 373 | 225 | 1515 | 1.17 | 0.00007 | 0.02 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.9S0.1 | 473 | 261 | 2348 | 0.92 | 0.00014 | 0.07 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.9S0.1 | 573 | 306 | 4189 | 0.80 | 0.00036 | 0.26 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.9S0.1 | 673 | 346 | 4220 | 0.69 | 0.00051 | 0.50 | https://doi.org/10.1021/acsami.1c10081 |

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|---|---|---|---|---|---|---|---|
| SnSe0.9S0.1 | 773 | 340 | 4182 | 0.59 | 0.00050 | 0.65 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.8S0.2 | 300 | 198 | 402 | 1.27 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.8S0.2 | 373 | 234 | 1068 | 1.29 | 0.00006 | 0.02 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.8S0.2 | 473 | 273 | 1841 | 0.87 | 0.00014 | 0.07 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.8S0.2 | 573 | 320 | 2742 | 0.79 | 0.00028 | 0.20 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.8S0.2 | 673 | 365 | 2727 | 0.71 | 0.00036 | 0.35 | https://doi.org/10.1021/acsami.1c10081 |
| SnSe0.8S0.2 | 773 | 359 | 2917 | 0.58 | 0.00038 | 0.50 | https://doi.org/10.1021/acsami.1c10081 |
| Cu1.85Se | 301 | 26 | 493269 | 2.88 | 0.00032 | 0.03 | https://doi.org/10.1021/acsami.1c08886 |
| Cu1.85Se | 399 | 23 | 467308 | 4.05 | 0.00025 | 0.02 | https://doi.org/10.1021/acsami.1c08886 |
| Cu1.85Se | 502 | 33 | 348077 | 3.94 | 0.00038 | 0.05 | https://doi.org/10.1021/acsami.1c08886 |
| Cu1.85Se | 603 | 44 | 274038 | 3.70 | 0.00054 | 0.09 | https://doi.org/10.1021/acsami.1c08886 |
| Cu1.85Se | 706 | 58 | 221154 | 3.44 | 0.00074 | 0.15 | https://doi.org/10.1021/acsami.1c08886 |
| Cu1.85Se | 784 | 73 | 176923 | 3.39 | 0.00095 | 0.22 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.01Cu1.85Se | 301 | 26 | 436538 | 2.43 | 0.00031 | 0.04 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.01Cu1.85Se | 399 | 23 | 467308 | 3.32 | 0.00024 | 0.03 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.01Cu1.85Se | 502 | 33 | 365385 | 3.70 | 0.00041 | 0.06 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.01Cu1.85Se | 603 | 46 | 290385 | 3.55 | 0.00061 | 0.10 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.01Cu1.85Se | 706 | 57 | 235577 | 3.38 | 0.00077 | 0.16 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.01Cu1.85Se | 784 | 74 | 187500 | 3.39 | 0.00104 | 0.24 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.02Cu1.85Se | 301 | 35 | 179808 | 2.75 | 0.00022 | 0.02 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.02Cu1.85Se | 399 | 36 | 220192 | 3.36 | 0.00029 | 0.03 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.02Cu1.85Se | 502 | 36 | 296154 | 3.26 | 0.00038 | 0.06 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.02Cu1.85Se | 603 | 48 | 244231 | 3.22 | 0.00056 | 0.10 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.02Cu1.85Se | 706 | 61 | 202885 | 3.05 | 0.00076 | 0.18 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.02Cu1.85Se | 784 | 76 | 166346 | 2.97 | 0.00097 | 0.26 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.85Se | 301 | 39 | 135577 | 1.85 | 0.00020 | 0.03 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.85Se | 399 | 42 | 167308 | 2.31 | 0.00030 | 0.05 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.85Se | 502 | 38 | 281731 | 2.60 | 0.00041 | 0.08 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.85Se | 603 | 52 | 232692 | 2.63 | 0.00062 | 0.14 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.85Se | 706 | 64 | 192308 | 2.47 | 0.00078 | 0.22 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.85Se | 784 | 78 | 165385 | 2.48 | 0.00101 | 0.32 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.83Bi0.02Se | 303 | 53 | 89655 | 1.06 | 0.00025 | 0.07 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.83Bi0.02Se | 401 | 49 | 96552 | 1.57 | 0.00023 | 0.06 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.83Bi0.02Se | 504 | 48 | 173563 | 2.04 | 0.00040 | 0.10 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.83Bi0.02Se | 606 | 61 | 171264 | 2.09 | 0.00063 | 0.18 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.83Bi0.02Se | 711 | 78 | 143678 | 2.02 | 0.00088 | 0.31 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.83Bi0.02Se | 761 | 92 | 131034 | 1.66 | 0.00112 | 0.51 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.82Bi0.03Se | 303 | 52 | 101149 | 1.12 | 0.00027 | 0.07 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.82Bi0.03Se | 401 | 44 | 95402 | 1.35 | 0.00018 | 0.05 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.82Bi0.03Se | 504 | 57 | 139080 | 1.65 | 0.00045 | 0.14 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.82Bi0.03Se | 606 | 73 | 132184 | 1.72 | 0.00071 | 0.25 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.82Bi0.03Se | 711 | 91 | 119540 | 1.73 | 0.00098 | 0.40 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.82Bi0.03Se | 761 | 104 | 106897 | 1.71 | 0.00116 | 0.52 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.81Bi0.04Se | 303 | 57 | 96552 | 1.07 | 0.00031 | 0.09 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.81Bi0.04Se | 401 | 54 | 68966 | 1.42 | 0.00020 | 0.06 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.81Bi0.04Se | 504 | 72 | 103448 | 1.57 | 0.00054 | 0.17 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.81Bi0.04Se | 606 | 108 | 70115 | 1.43 | 0.00081 | 0.35 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.81Bi0.04Se | 711 | 133 | 58621 | 1.38 | 0.00103 | 0.53 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.81Bi0.04Se | 761 | 141 | 54023 | 1.19 | 0.00107 | 0.68 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.8Bi0.05Se | 303 | 56 | 81609 | 0.89 | 0.00026 | 0.09 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.8Bi0.05Se | 401 | 52 | 67816 | 1.21 | 0.00019 | 0.06 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.8Bi0.05Se | 504 | 69 | 91954 | 1.38 | 0.00044 | 0.16 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.8Bi0.05Se | 606 | 107 | 57471 | 1.04 | 0.00066 | 0.40 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.8Bi0.05Se | 711 | 131 | 46200 | 1.01 | 0.00079 | 0.56 | https://doi.org/10.1021/acsami.1c08886 |
| Li0.03Cu1.8Bi0.05Se | 761 | 136 | 45455 | 0.96 | 0.00083 | 0.66 | https://doi.org/10.1021/acsami.1c08886 |
| SnSe | 373 | 257 | 32 | 0.76 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 473 | 323 | 65 | 0.60 | 0.00001 | 0.01 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 573 | 425 | 194 | 0.51 | 0.00004 | 0.04 | https://doi.org/10.1021/acsami.1c09208 |

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|---|---|---|---|---|---|---|---|
| SnSe | 673 | 465 | 645 | 0.43 | 0.00014 | 0.21 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 773 | 398 | 2410 | 0.38 | 0.00038 | 0.78 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 873 | 299 | 7790 | 0.28 | 0.00069 | 2.16 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 373 | 231 | 16 | 0.76 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 473 | 309 | 48 | 0.61 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 573 | 428 | 161 | 0.50 | 0.00003 | 0.03 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 673 | 462 | 597 | 0.43 | 0.00013 | 0.21 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 773 | 387 | 2393 | 0.38 | 0.00036 | 0.73 | https://doi.org/10.1021/acsami.1c09208 |
| SnSe | 873 | 308 | 6290 | 0.38 | 0.00060 | 1.36 | https://doi.org/10.1021/acsami.1c09208 |
| CaZn0.4Ag0.2Sb | 371 | 75 | 101563 | 1.16 | 0.00057 | 0.18 | https://doi.org/10.1021/acsami.1c01818 |
| CaZn0.4Ag0.2Sb | 472 | 93 | 77844 | 1.14 | 0.00068 | 0.28 | https://doi.org/10.1021/acsami.1c01818 |
| CaZn0.4Ag0.2Sb | 573 | 111 | 57522 | 1.01 | 0.00071 | 0.40 | https://doi.org/10.1021/acsami.1c01818 |
| CaZn0.4Ag0.2Sb | 673 | 136 | 40373 | 0.85 | 0.00075 | 0.59 | https://doi.org/10.1021/acsami.1c01818 |
| CaZn0.4Ag0.2Sb | 773 | 140 | 37901 | 0.92 | 0.00074 | 0.62 | https://doi.org/10.1021/acsami.1c01818 |
| CaZn0.4Ag0.2Sb | 873 | 138 | 36932 | 1.02 | 0.00070 | 0.60 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.95(LiZnSb)0.05 | 371 | 102 | 69519 | 1.05 | 0.00073 | 0.26 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.95(LiZnSb)0.05 | 472 | 123 | 52953 | 1.04 | 0.00080 | 0.36 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.95(LiZnSb)0.05 | 573 | 145 | 39394 | 0.91 | 0.00083 | 0.52 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.95(LiZnSb)0.05 | 673 | 162 | 31325 | 0.89 | 0.00082 | 0.62 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.95(LiZnSb)0.05 | 773 | 168 | 29020 | 0.80 | 0.00082 | 0.80 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.95(LiZnSb)0.05 | 873 | 165 | 29279 | 0.79 | 0.00079 | 0.87 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.91(LiZnSb)0.09 | 371 | 119 | 45139 | 0.91 | 0.00064 | 0.26 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.91(LiZnSb)0.09 | 472 | 144 | 34759 | 0.89 | 0.00072 | 0.38 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.91(LiZnSb)0.09 | 573 | 168 | 26585 | 0.80 | 0.00075 | 0.54 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.91(LiZnSb)0.09 | 673 | 189 | 21078 | 0.74 | 0.00075 | 0.69 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.91(LiZnSb)0.09 | 773 | 194 | 20379 | 0.67 | 0.00076 | 0.88 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.91(LiZnSb)0.09 | 873 | 179 | 23713 | 0.60 | 0.00076 | 1.10 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.87(LiZnSb)0.13 | 371 | 122 | 44070 | 0.69 | 0.00066 | 0.35 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.87(LiZnSb)0.13 | 472 | 147 | 34301 | 0.69 | 0.00074 | 0.51 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.87(LiZnSb)0.13 | 573 | 170 | 26694 | 0.55 | 0.00077 | 0.80 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.87(LiZnSb)0.13 | 673 | 193 | 20251 | 0.55 | 0.00076 | 0.93 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.87(LiZnSb)0.13 | 773 | 197 | 19428 | 0.57 | 0.00075 | 1.04 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.87(LiZnSb)0.13 | 873 | 180 | 23933 | 0.54 | 0.00078 | 1.26 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.83(LiZnSb)0.17 | 371 | 119 | 42345 | 0.89 | 0.00060 | 0.25 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.83(LiZnSb)0.17 | 472 | 144 | 33592 | 0.91 | 0.00069 | 0.36 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.83(LiZnSb)0.17 | 573 | 164 | 26694 | 0.72 | 0.00072 | 0.57 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.83(LiZnSb)0.17 | 673 | 186 | 20767 | 0.65 | 0.00072 | 0.75 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.83(LiZnSb)0.17 | 773 | 189 | 21776 | 0.58 | 0.00078 | 1.04 | https://doi.org/10.1021/acsami.1c01818 |
| (CaZn0.4Ag0.2Sb)0.83(LiZnSb)0.17 | 873 | 175 | 25048 | 0.58 | 0.00077 | 1.16 | https://doi.org/10.1021/acsami.1c01818 |
| Bi2Te3 | 306 | -115 | 45000 | 0.96 | 0.00059 | 0.19 | https://doi.org/10.1021/acsami.1c00355 |
| Bi2Te3 | 366 | -127 | 32338 | 0.92 | 0.00052 | 0.21 | https://doi.org/10.1021/acsami.1c00355 |
| Bi2Te3 | 426 | -133 | 27078 | 0.87 | 0.00048 | 0.23 | https://doi.org/10.1021/acsami.1c00355 |
| Bi2Te3 | 478 | -128 | 22792 | 0.91 | 0.00037 | 0.20 | https://doi.org/10.1021/acsami.1c00355 |
| Bi2Te3 | 505 | -113 | 20649 | 0.92 | 0.00026 | 0.14 | https://doi.org/10.1021/acsami.1c00355 |
| Bi2Te3 | 572 | -75 | 15974 | 0.96 | 0.00009 | 0.05 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.94Nb0.06Te3 | 306 | -88 | 82157 | 0.88 | 0.00063 | 0.22 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.94Nb0.06Te3 | 366 | -97 | 77647 | 0.87 | 0.00074 | 0.31 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.94Nb0.06Te3 | 426 | -107 | 72353 | 0.86 | 0.00083 | 0.41 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.94Nb0.06Te3 | 478 | -115 | 63529 | 0.85 | 0.00084 | 0.47 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.94Nb0.06Te3 | 505 | -116 | 57078 | 0.85 | 0.00076 | 0.45 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.94Nb0.06Te3 | 572 | -101 | 37597 | 0.85 | 0.00038 | 0.26 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.92Nb0.08Te3 | 306 | -97 | 115325 | 0.87 | 0.00108 | 0.38 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.92Nb0.08Te3 | 366 | -104 | 113961 | 0.84 | 0.00122 | 0.53 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.92Nb0.08Te3 | 426 | -113 | 112792 | 0.81 | 0.00143 | 0.75 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.92Nb0.08Te3 | 478 | -121 | 104026 | 0.79 | 0.00151 | 0.91 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.92Nb0.08Te3 | 505 | -121 | 98571 | 0.78 | 0.00145 | 0.94 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.92Nb0.08Te3 | 572 | -112 | 66667 | 0.76 | 0.00084 | 0.63 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.9Nb0.1Te3 | 306 | -100 | 64510 | 0.86 | 0.00065 | 0.23 | https://doi.org/10.1021/acsami.1c00355 |

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|---|---|---|---|---|---|---|---|
| Bi1.9Nb0.1Te3 | 366 | -106 | 64902 | 0.80 | 0.00073 | 0.33 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.9Nb0.1Te3 | 426 | -113 | 64706 | 0.78 | 0.00082 | 0.45 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.9Nb0.1Te3 | 478 | -118 | 60000 | 0.76 | 0.00083 | 0.52 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.9Nb0.1Te3 | 505 | -117 | 55714 | 0.75 | 0.00076 | 0.51 | https://doi.org/10.1021/acsami.1c00355 |
| Bi1.9Nb0.1Te3 | 572 | -106 | 34481 | 0.74 | 0.00038 | 0.30 | https://doi.org/10.1021/acsami.1c00355 |
| BiCuSeO | 100 | 103 | 1 | 2.85 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| BiCuSeO | 150 | 110 | 3 | 2.10 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| BiCuSeO | 250 | 164 | 8 | 1.54 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.98Pb0.02CuSeO | 50 | 40 | 120913 | 3.91 | 0.00019 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.98Pb0.02CuSeO | 100 | 79 | 86851 | 2.64 | 0.00055 | 0.02 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.98Pb0.02CuSeO | 150 | 129 | 51795 | 2.10 | 0.00086 | 0.06 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.98Pb0.02CuSeO | 250 | 204 | 22230 | 1.72 | 0.00092 | 0.13 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.96Pb0.04CuSeO | 50 | 30 | 213745 | 2.79 | 0.00019 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.96Pb0.04CuSeO | 100 | 58 | 149712 | 2.34 | 0.00050 | 0.02 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.96Pb0.04CuSeO | 150 | 94 | 100000 | 2.05 | 0.00089 | 0.07 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.96Pb0.04CuSeO | 250 | 157 | 48270 | 1.71 | 0.00119 | 0.17 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.94Pb0.06CuSeO | 50 | 26 | 189824 | 2.17 | 0.00013 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.94Pb0.06CuSeO | 100 | 47 | 136151 | 2.17 | 0.00030 | 0.01 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.94Pb0.06CuSeO | 150 | 72 | 100000 | 1.94 | 0.00051 | 0.04 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.94Pb0.06CuSeO | 250 | 111 | 58250 | 1.72 | 0.00072 | 0.10 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.92Pb0.08CuSeO | 50 | 24 | 252384 | 2.00 | 0.00015 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.92Pb0.08CuSeO | 100 | 40 | 189824 | 2.10 | 0.00030 | 0.01 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.92Pb0.08CuSeO | 150 | 57 | 142771 | 2.05 | 0.00047 | 0.03 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.92Pb0.08CuSeO | 250 | 88 | 88916 | 2.00 | 0.00069 | 0.09 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.9Pb0.1CuSeO | 50 | 26 | 246463 | 2.04 | 0.00017 | 0.00 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.9Pb0.1CuSeO | 100 | 41 | 189824 | 2.17 | 0.00032 | 0.01 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.9Pb0.1CuSeO | 150 | 55 | 149712 | 2.17 | 0.00045 | 0.03 | https://doi.org/10.1021/acsami.0c22861 |
| Bi0.9Pb0.1CuSeO | 250 | 81 | 97650 | 2.10 | 0.00064 | 0.08 | https://doi.org/10.1021/acsami.0c22861 |
| Mg3.5Gd0.01Sb2 | 300 | -240 | 5971 | 1.19 | 0.00034 | 0.09 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.01Sb2 | 400 | -254 | 6918 | 1.01 | 0.00045 | 0.18 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.01Sb2 | 500 | -286 | 6711 | 0.88 | 0.00055 | 0.31 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.01Sb2 | 600 | -309 | 5926 | 0.79 | 0.00057 | 0.43 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.01Sb2 | 700 | -324 | 5062 | 0.73 | 0.00053 | 0.51 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.02Sb2 | 300 | -220 | 11583 | 1.14 | 0.00056 | 0.15 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.02Sb2 | 400 | -241 | 12249 | 0.99 | 0.00071 | 0.29 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.02Sb2 | 500 | -274 | 10926 | 0.85 | 0.00082 | 0.48 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.02Sb2 | 600 | -295 | 9147 | 0.77 | 0.00080 | 0.62 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.02Sb2 | 700 | -319 | 7279 | 0.69 | 0.00074 | 0.75 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb2 | 300 | -198 | 19493 | 1.08 | 0.00076 | 0.21 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb2 | 400 | -221 | 19150 | 0.99 | 0.00094 | 0.38 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb2 | 500 | -254 | 16667 | 0.86 | 0.00108 | 0.63 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb2 | 600 | -273 | 13942 | 0.76 | 0.00104 | 0.82 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb2 | 700 | -292 | 11122 | 0.66 | 0.00095 | 1.01 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb2 | 300 | -220 | 15045 | 1.10 | 0.00073 | 0.20 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb2 | 400 | -250 | 14893 | 0.91 | 0.00093 | 0.41 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb2 | 500 | -278 | 13524 | 0.81 | 0.00105 | 0.65 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb2 | 600 | -291 | 12405 | 0.71 | 0.00105 | 0.89 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb2 | 700 | -304 | 11322 | 0.63 | 0.00104 | 1.17 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.035Sb2 | 300 | -190 | 21413 | 1.19 | 0.00077 | 0.20 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.035Sb2 | 400 | -208 | 20665 | 1.04 | 0.00089 | 0.34 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.035Sb2 | 500 | -235 | 17972 | 0.93 | 0.00099 | 0.53 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.035Sb2 | 600 | -255 | 14931 | 0.82 | 0.00097 | 0.71 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.035Sb2 | 700 | -275 | 12156 | 0.70 | 0.00092 | 0.92 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.045Sb2 | 300 | -196 | 23049 | 1.21 | 0.00089 | 0.22 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.045Sb2 | 400 | -214 | 22244 | 1.04 | 0.00102 | 0.39 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.045Sb2 | 500 | -244 | 19592 | 0.94 | 0.00117 | 0.62 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.045Sb2 | 600 | -257 | 17082 | 0.85 | 0.00113 | 0.80 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.045Sb2 | 700 | -271 | 14631 | 0.76 | 0.00108 | 0.99 | https://doi.org/10.1021/acsami.0c22558 |

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|---|---|---|---|---|---|---|---|
| Mg3.5Gd0.03Sb1.97Te0.03 | 300 | -215 | 18956 | 1.00 | 0.00088 | 0.26 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb1.97Te0.03 | 400 | -224 | 19198 | 0.87 | 0.00096 | 0.44 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb1.97Te0.03 | 500 | -252 | 17655 | 0.78 | 0.00112 | 0.72 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb1.97Te0.03 | 600 | -267 | 15432 | 0.67 | 0.00110 | 0.98 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.03Sb1.97Te0.03 | 700 | -280 | 13218 | 0.63 | 0.00103 | 1.14 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb1.97Te0.03 | 300 | -183 | 20045 | 0.95 | 0.00067 | 0.21 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb1.97Te0.03 | 400 | -201 | 21143 | 0.84 | 0.00085 | 0.41 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb1.97Te0.03 | 500 | -227 | 20147 | 0.79 | 0.00104 | 0.66 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb1.97Te0.03 | 600 | -239 | 18575 | 0.71 | 0.00106 | 0.90 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Gd0.04Sb1.97Te0.03 | 700 | -254 | 16527 | 0.61 | 0.00107 | 1.21 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb2 | 300 | -199 | 2217 | 1.12 | 0.00009 | 0.02 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb2 | 400 | -246 | 2632 | 0.99 | 0.00016 | 0.06 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb2 | 500 | -290 | 2561 | 0.86 | 0.00022 | 0.13 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb2 | 600 | -297 | 2308 | 0.77 | 0.00020 | 0.16 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb2 | 700 | -317 | 2139 | 0.70 | 0.00022 | 0.21 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb2 | 300 | -194 | 11239 | 1.25 | 0.00042 | 0.10 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb2 | 400 | -250 | 11744 | 1.07 | 0.00073 | 0.28 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb2 | 500 | -289 | 10129 | 0.93 | 0.00085 | 0.46 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb2 | 600 | -314 | 8261 | 0.83 | 0.00081 | 0.59 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb2 | 700 | -334 | 6819 | 0.72 | 0.00076 | 0.74 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb2 | 300 | -193 | 16695 | 1.24 | 0.00062 | 0.15 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb2 | 400 | -220 | 15724 | 1.04 | 0.00076 | 0.29 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb2 | 500 | -258 | 13030 | 0.92 | 0.00087 | 0.47 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb2 | 600 | -283 | 10251 | 0.81 | 0.00082 | 0.61 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb2 | 700 | -304 | 8261 | 0.74 | 0.00076 | 0.73 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb2 | 300 | -189 | 19512 | 1.34 | 0.00070 | 0.16 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb2 | 400 | -226 | 18673 | 1.14 | 0.00095 | 0.34 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb2 | 500 | -268 | 15290 | 0.97 | 0.00110 | 0.57 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb2 | 600 | -293 | 12029 | 0.83 | 0.00103 | 0.75 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb2 | 700 | -310 | 9655 | 0.72 | 0.00093 | 0.91 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb1.97Te0.03 | 300 | -214 | 19512 | 1.14 | 0.00089 | 0.23 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb1.97Te0.03 | 400 | -234 | 17869 | 0.99 | 0.00098 | 0.40 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb1.97Te0.03 | 500 | -261 | 15661 | 0.87 | 0.00107 | 0.61 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb1.97Te0.03 | 600 | -282 | 12875 | 0.79 | 0.00102 | 0.78 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.01Sb1.97Te0.03 | 700 | -298 | 10755 | 0.73 | 0.00095 | 0.92 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb1.97Te0.03 | 300 | -218 | 25916 | 1.14 | 0.00123 | 0.32 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb1.97Te0.03 | 400 | -225 | 22442 | 0.98 | 0.00114 | 0.46 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb1.97Te0.03 | 500 | -253 | 19279 | 0.89 | 0.00124 | 0.69 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb1.97Te0.03 | 600 | -268 | 16496 | 0.82 | 0.00119 | 0.86 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.02Sb1.97Te0.03 | 700 | -281 | 14059 | 0.78 | 0.00111 | 1.00 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb1.97Te0.03 | 300 | -200 | 27081 | 1.16 | 0.00108 | 0.28 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb1.97Te0.03 | 400 | -209 | 23829 | 0.96 | 0.00104 | 0.44 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb1.97Te0.03 | 500 | -235 | 21306 | 0.88 | 0.00118 | 0.67 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb1.97Te0.03 | 600 | -246 | 18974 | 0.82 | 0.00115 | 0.84 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.03Sb1.97Te0.03 | 700 | -256 | 16667 | 0.75 | 0.00109 | 1.02 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb1.97Te0.03 | 300 | -206 | 27189 | 1.18 | 0.00116 | 0.29 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb1.97Te0.03 | 400 | -211 | 24310 | 0.99 | 0.00108 | 0.44 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb1.97Te0.03 | 500 | -237 | 21450 | 0.91 | 0.00120 | 0.66 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb1.97Te0.03 | 600 | -254 | 18676 | 0.84 | 0.00120 | 0.86 | https://doi.org/10.1021/acsami.0c22558 |
| Mg3.5Ho0.04Sb1.97Te0.03 | 700 | -266 | 16150 | 0.75 | 0.00114 | 1.07 | https://doi.org/10.1021/acsami.0c22558 |
| AgCuTe | 320 | 65 | 75588 | 1.07 | 0.00032 | 0.09 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe | 422 | 120 | 24175 | 0.60 | 0.00034 | 0.24 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe | 522 | 255 | 9806 | 0.47 | 0.00064 | 0.71 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe | 623 | 252 | 9320 | 0.52 | 0.00059 | 0.71 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe | 723 | 250 | 9029 | 0.55 | 0.00056 | 0.74 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.9Se0.1 | 320 | 172 | 34854 | 0.45 | 0.00103 | 0.74 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.9Se0.1 | 422 | 181 | 24078 | 0.36 | 0.00080 | 0.89 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.9Se0.1 | 522 | 195 | 23786 | 0.38 | 0.00091 | 1.45 | https://doi.org/10.1021/acsami.0c17836 |

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|---|---|---|---|---|---|---|---|
| AgCuTe0.9Se0.1 | 623 | 214 | 21650 | 0.55 | 0.00099 | 1.11 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.9Se0.1 | 723 | 226 | 17864 | 0.58 | 0.00091 | 1.14 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.8Se0.2 | 320 | 97 | 29515 | 0.63 | 0.00027 | 0.14 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.8Se0.2 | 422 | 162 | 14757 | 0.40 | 0.00039 | 0.41 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.8Se0.2 | 522 | 179 | 23107 | 0.49 | 0.00075 | 0.80 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.8Se0.2 | 623 | 178 | 24854 | 0.56 | 0.00079 | 0.88 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.8Se0.2 | 723 | 180 | 28835 | 0.61 | 0.00093 | 1.09 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.7Se0.3 | 320 | 200 | 20194 | 0.47 | 0.00082 | 0.55 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.7Se0.3 | 422 | 192 | 14854 | 0.32 | 0.00055 | 0.74 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.7Se0.3 | 522 | 231 | 13301 | 0.37 | 0.00071 | 1.01 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.7Se0.3 | 623 | 250 | 11650 | 0.43 | 0.00073 | 1.05 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.7Se0.3 | 723 | 254 | 10146 | 0.51 | 0.00066 | 0.92 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.6Se0.4 | 320 | 219 | 11068 | 0.54 | 0.00053 | 0.32 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.6Se0.4 | 422 | 218 | 8835 | 0.30 | 0.00042 | 0.67 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.6Se0.4 | 522 | 246 | 8155 | 0.38 | 0.00049 | 0.68 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.6Se0.4 | 623 | 251 | 7184 | 0.50 | 0.00045 | 0.56 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.6Se0.4 | 723 | 258 | 6699 | 0.64 | 0.00045 | 0.49 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.5Se0.5 | 320 | 97 | 5534 | 0.34 | 0.00005 | 0.05 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.5Se0.5 | 422 | 146 | 2715 | 0.23 | 0.00005 | 0.09 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.5Se0.5 | 522 | 161 | 1845 | 0.30 | 0.00005 | 0.08 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.5Se0.5 | 623 | 156 | 2913 | 0.38 | 0.00007 | 0.12 | https://doi.org/10.1021/acsami.0c17836 |
| AgCuTe0.5Se0.5 | 723 | 150 | 3883 | 0.49 | 0.00009 | 0.13 | https://doi.org/10.1021/acsami.0c17836 |
| Mg2Sn0.995Sb0.005 | 350 | -148 | 195614 | 5.11 | 0.00429 | 0.29 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.995Sb0.005 | 444 | -170 | 138596 | 4.08 | 0.00401 | 0.44 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.995Sb0.005 | 544 | -188 | 102632 | 4.11 | 0.00362 | 0.48 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.995Sb0.005 | 646 | -187 | 104380 | 4.30 | 0.00365 | 0.55 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.99Sb0.01 | 350 | -113 | 349107 | 6.00 | 0.00447 | 0.26 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.99Sb0.01 | 444 | -133 | 289400 | 4.78 | 0.00512 | 0.48 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.99Sb0.01 | 544 | -153 | 216814 | 4.65 | 0.00508 | 0.59 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.99Sb0.01 | 646 | -171 | 167544 | 4.43 | 0.00489 | 0.71 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.98Sb0.02 | 350 | -86 | 460177 | 7.10 | 0.00343 | 0.17 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.98Sb0.02 | 444 | -99 | 346429 | 5.73 | 0.00341 | 0.26 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.98Sb0.02 | 544 | -117 | 304464 | 5.17 | 0.00419 | 0.44 | https://doi.org/10.1021/acsami.0c17462 |
| Mg2Sn0.98Sb0.02 | 646 | -141 | 229200 | 4.67 | 0.00458 | 0.63 | https://doi.org/10.1021/acsami.0c17462 |
| Ag8SiSe6 | 298 | -152 | 68519 | 0.68 | 0.00158 | 0.69 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 343 | -145 | 79144 | 0.74 | 0.00168 | 0.78 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 398 | -140 | 90520 | 0.79 | 0.00178 | 0.90 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 423 | -98 | 56923 | 0.54 | 0.00055 | 0.43 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 473 | -104 | 53237 | 0.52 | 0.00057 | 0.52 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 298 | -162 | 42390 | 0.55 | 0.00112 | 0.60 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 343 | -157 | 48613 | 0.61 | 0.00120 | 0.68 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 398 | -154 | 54412 | 0.66 | 0.00128 | 0.78 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 423 | -108 | 37927 | 0.47 | 0.00044 | 0.40 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 473 | -114 | 35006 | 0.44 | 0.00045 | 0.49 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 298 | -158 | 51658 | 0.56 | 0.00129 | 0.68 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 343 | -152 | 58847 | 0.62 | 0.00136 | 0.76 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 398 | -148 | 65198 | 0.67 | 0.00142 | 0.84 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 423 | -105 | 42571 | 0.49 | 0.00047 | 0.40 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 473 | -110 | 39318 | 0.46 | 0.00048 | 0.49 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 298 | -166 | 39526 | 0.51 | 0.00109 | 0.64 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 343 | -163 | 45083 | 0.57 | 0.00119 | 0.72 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 398 | -159 | 50338 | 0.60 | 0.00127 | 0.84 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 423 | -113 | 35047 | 0.45 | 0.00045 | 0.42 | https://doi.org/10.1021/acsami.0c15877 |
| Ag8SiSe6 | 473 | -119 | 32051 | 0.42 | 0.00045 | 0.51 | https://doi.org/10.1021/acsami.0c15877 |
| GeSe | 326 | 774 | 3 | 2.84 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe | 424 | 738 | 16 | 2.01 | 0.00001 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe | 524 | 841 | 15 | 1.46 | 0.00001 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe | 623 | 743 | 53 | 1.14 | 0.00003 | 0.02 | https://doi.org/10.1021/acsami.0c10850 |

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|---|---|---|---|---|---|---|---|
| GeSe | 673 | 688 | 115 | 0.99 | 0.00005 | 0.04 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe | 723 | 629 | 231 | 0.87 | 0.00009 | 0.08 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe | 772 | 522 | 400 | 0.76 | 0.00011 | 0.11 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.95Te0.05 | 326 | 634 | 12 | 1.91 | 0.00000 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.95Te0.05 | 430 | 595 | 55 | 1.42 | 0.00002 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.95Te0.05 | 535 | 599 | 63 | 1.06 | 0.00002 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.95Te0.05 | 633 | 567 | 135 | 0.86 | 0.00004 | 0.03 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.95Te0.05 | 681 | 552 | 239 | 0.76 | 0.00007 | 0.07 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.95Te0.05 | 725 | 533 | 400 | 0.69 | 0.00011 | 0.12 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.95Te0.05 | 778 | 471 | 800 | 0.63 | 0.00018 | 0.22 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.9Te0.1 | 320 | 75 | 2974 | 1.93 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.9Te0.1 | 430 | 105 | 2584 | 1.53 | 0.00003 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.9Te0.1 | 530 | 130 | 2245 | 1.22 | 0.00004 | 0.02 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.9Te0.1 | 630 | 118 | 3000 | 1.22 | 0.00004 | 0.02 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.9Te0.1 | 678 | 137 | 3304 | 1.05 | 0.00006 | 0.04 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.9Te0.1 | 728 | 159 | 3483 | 0.84 | 0.00009 | 0.08 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.9Te0.1 | 776 | 185 | 4153 | 0.78 | 0.00014 | 0.14 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.85Te0.15 | 320 | 15 | 88059 | 2.00 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.85Te0.15 | 430 | 22 | 73881 | 1.89 | 0.00004 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.85Te0.15 | 530 | 28 | 59328 | 1.72 | 0.00005 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.85Te0.15 | 630 | 37 | 53358 | 1.68 | 0.00007 | 0.03 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.85Te0.15 | 678 | 40 | 55597 | 1.73 | 0.00009 | 0.03 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.85Te0.15 | 728 | 71 | 27985 | 1.58 | 0.00014 | 0.07 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.85Te0.15 | 776 | 123 | 20522 | 1.07 | 0.00031 | 0.23 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.8Te0.2 | 320 | 15 | 108955 | 2.01 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.8Te0.2 | 430 | 22 | 91045 | 1.88 | 0.00004 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.8Te0.2 | 530 | 27 | 71642 | 1.73 | 0.00005 | 0.02 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.8Te0.2 | 630 | 36 | 66418 | 1.76 | 0.00009 | 0.03 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.8Te0.2 | 678 | 39 | 74254 | 1.91 | 0.00011 | 0.04 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.8Te0.2 | 728 | 69 | 57090 | 1.79 | 0.00027 | 0.11 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.8Te0.2 | 776 | 121 | 43284 | 1.25 | 0.00064 | 0.40 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.75Te0.25 | 320 | 14 | 99254 | 1.68 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.75Te0.25 | 430 | 21 | 83955 | 1.63 | 0.00004 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.75Te0.25 | 530 | 27 | 64552 | 1.51 | 0.00005 | 0.02 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.75Te0.25 | 630 | 36 | 60821 | 1.52 | 0.00008 | 0.03 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.75Te0.25 | 678 | 39 | 72388 | 1.68 | 0.00011 | 0.04 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.75Te0.25 | 728 | 88 | 66791 | 1.76 | 0.00052 | 0.22 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.75Te0.25 | 776 | 121 | 60821 | 1.21 | 0.00088 | 0.57 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.7Te0.3 | 320 | 14 | 101119 | 1.64 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.7Te0.3 | 430 | 20 | 85075 | 1.61 | 0.00003 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.7Te0.3 | 530 | 26 | 64179 | 1.49 | 0.00004 | 0.02 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.7Te0.3 | 630 | 35 | 61940 | 1.56 | 0.00008 | 0.03 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.7Te0.3 | 678 | 40 | 72388 | 1.70 | 0.00011 | 0.05 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.7Te0.3 | 728 | 101 | 72201 | 1.75 | 0.00073 | 0.30 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.7Te0.3 | 776 | 120 | 70149 | 1.32 | 0.00101 | 0.59 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.65Te0.35 | 320 | 12 | 131716 | 1.89 | 0.00002 | 0.00 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.65Te0.35 | 430 | 18 | 110075 | 1.86 | 0.00004 | 0.01 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.65Te0.35 | 530 | 24 | 85450 | 1.75 | 0.00005 | 0.02 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.65Te0.35 | 630 | 34 | 80597 | 1.76 | 0.00009 | 0.03 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.65Te0.35 | 678 | 40 | 89925 | 1.87 | 0.00014 | 0.05 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.65Te0.35 | 728 | 112 | 93657 | 1.98 | 0.00118 | 0.44 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.65Te0.35 | 776 | 123 | 86194 | 1.61 | 0.00131 | 0.63 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.6Te0.4 | 320 | 51 | 203731 | 2.96 | 0.00053 | 0.06 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.6Te0.4 | 430 | 71 | 168519 | 2.64 | 0.00084 | 0.14 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.6Te0.4 | 530 | 94 | 133209 | 2.11 | 0.00118 | 0.30 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.6Te0.4 | 630 | 100 | 144776 | 2.18 | 0.00145 | 0.42 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.6Te0.4 | 678 | 110 | 131343 | 2.75 | 0.00159 | 0.39 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.6Te0.4 | 728 | 122 | 115672 | 2.26 | 0.00173 | 0.56 | https://doi.org/10.1021/acsami.0c10850 |

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|---|---|---|---|---|---|---|---|
| GeSe0.6Te0.4 | 776 | 133 | 101866 | 2.13 | 0.00180 | 0.66 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.55Te0.45 | 320 | 50 | 222761 | 2.74 | 0.00056 | 0.07 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.55Te0.45 | 430 | 71 | 181852 | 2.47 | 0.00091 | 0.16 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.55Te0.45 | 530 | 94 | 144403 | 2.11 | 0.00128 | 0.32 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.55Te0.45 | 630 | 102 | 150741 | 1.89 | 0.00157 | 0.52 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.55Te0.45 | 678 | 111 | 137313 | 2.45 | 0.00169 | 0.47 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.55Te0.45 | 728 | 121 | 121269 | 2.28 | 0.00179 | 0.57 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.55Te0.45 | 776 | 133 | 107836 | 2.14 | 0.00190 | 0.69 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.5Te0.5 | 320 | 46 | 241791 | 2.96 | 0.00052 | 0.06 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.5Te0.5 | 430 | 66 | 196667 | 2.65 | 0.00086 | 0.14 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.5Te0.5 | 530 | 89 | 157407 | 2.27 | 0.00124 | 0.29 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.5Te0.5 | 630 | 102 | 157222 | 2.03 | 0.00164 | 0.51 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.5Te0.5 | 678 | 111 | 144776 | 2.61 | 0.00178 | 0.46 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.5Te0.5 | 728 | 121 | 128731 | 2.45 | 0.00190 | 0.56 | https://doi.org/10.1021/acsami.0c10850 |
| GeSe0.5Te0.5 | 776 | 133 | 113806 | 2.31 | 0.00200 | 0.67 | https://doi.org/10.1021/acsami.0c10850 |
| (CuI)0.003Bi2Te3 | 325 | -157 | 132444 | 1.41 | 0.00326 | 0.75 | https://doi.org/10.1021/acsami.0c09529 |
| (CuI)0.003Bi2Te3 | 371 | -166 | 109029 | 1.36 | 0.00299 | 0.82 | https://doi.org/10.1021/acsami.0c09529 |
| (CuI)0.003Bi2Te3 | 420 | -171 | 93431 | 1.39 | 0.00273 | 0.83 | https://doi.org/10.1021/acsami.0c09529 |
| (CuI)0.003Bi2Te3 | 470 | -169 | 84100 | 1.45 | 0.00242 | 0.78 | https://doi.org/10.1021/acsami.0c09529 |
| (CuI)0.003Bi2Te3 | 519 | -162 | 81218 | 1.58 | 0.00214 | 0.70 | https://doi.org/10.1021/acsami.0c09529 |
| (CuI)0.003Bi2Te3 | 568 | -151 | 79900 | 1.73 | 0.00183 | 0.60 | https://doi.org/10.1021/acsami.0c09529 |
| Mg2Zn0.96Sb2 | 300 | 289 | 3013 | 0.68 | 0.00025 | 0.11 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.96Sb2 | 373 | 289 | 3411 | 0.63 | 0.00029 | 0.17 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.96Sb2 | 473 | 245 | 5695 | 0.65 | 0.00034 | 0.25 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.96Sb2 | 573 | 208 | 9503 | 0.73 | 0.00041 | 0.32 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.96Sb2 | 673 | 183 | 14934 | 0.85 | 0.00050 | 0.40 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.96Sb2 | 773 | 160 | 20921 | 0.96 | 0.00054 | 0.43 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.98Sb2 | 300 | 278 | 5364 | 0.76 | 0.00041 | 0.16 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.98Sb2 | 373 | 297 | 4570 | 0.67 | 0.00040 | 0.22 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.98Sb2 | 473 | 284 | 5132 | 0.67 | 0.00041 | 0.29 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.98Sb2 | 573 | 242 | 7649 | 0.74 | 0.00045 | 0.35 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.98Sb2 | 673 | 208 | 12632 | 0.84 | 0.00055 | 0.44 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn0.98Sb2 | 773 | 186 | 18618 | 0.97 | 0.00065 | 0.52 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2ZnSb2 | 300 | 428 | 662 | 0.73 | 0.00012 | 0.05 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2ZnSb2 | 373 | 346 | 729 | 0.69 | 0.00009 | 0.05 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2ZnSb2 | 473 | 150 | 1523 | 0.74 | 0.00003 | 0.02 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2ZnSb2 | 573 | 100 | 3179 | 0.87 | 0.00003 | 0.02 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2ZnSb2 | 673 | 105 | 5629 | 1.03 | 0.00006 | 0.04 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2ZnSb2 | 773 | 120 | 8974 | 1.19 | 0.00013 | 0.08 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.02Sb2 | 300 | 412 | 662 | 0.71 | 0.00011 | 0.05 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.02Sb2 | 373 | 269 | 894 | 0.68 | 0.00006 | 0.04 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.02Sb2 | 473 | 97 | 2052 | 0.73 | 0.00002 | 0.01 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.02Sb2 | 573 | 72 | 4172 | 0.85 | 0.00002 | 0.01 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.02Sb2 | 673 | 89 | 7152 | 1.00 | 0.00006 | 0.04 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.02Sb2 | 773 | 110 | 11118 | 1.16 | 0.00013 | 0.09 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.04Sb2 | 300 | 434 | 430 | 0.72 | 0.00008 | 0.03 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.04Sb2 | 373 | 318 | 596 | 0.67 | 0.00006 | 0.03 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.04Sb2 | 473 | 132 | 1391 | 0.64 | 0.00002 | 0.02 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.04Sb2 | 573 | 95 | 3013 | 0.69 | 0.00003 | 0.02 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.04Sb2 | 673 | 105 | 5464 | 0.78 | 0.00006 | 0.05 | https://doi.org/10.1021/acsami.0c09391 |
| Mg2Zn1.04Sb2 | 773 | 122 | 8709 | 0.88 | 0.00013 | 0.11 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Li0.02Zn0.98Sb2 | 300 | 77 | 100529 | 1.18 | 0.00060 | 0.15 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Li0.02Zn0.98Sb2 | 373 | 92 | 83598 | 1.13 | 0.00071 | 0.23 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Li0.02Zn0.98Sb2 | 473 | 111 | 67302 | 1.06 | 0.00082 | 0.37 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Li0.02Zn0.98Sb2 | 573 | 130 | 55026 | 1.01 | 0.00092 | 0.52 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Li0.02Zn0.98Sb2 | 673 | 146 | 45820 | 0.99 | 0.00098 | 0.66 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Li0.02Zn0.98Sb2 | 773 | 158 | 38300 | 1.01 | 0.00095 | 0.73 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98K0.02Zn0.98Sb2 | 300 | 206 | 10688 | 0.74 | 0.00045 | 0.18 | https://doi.org/10.1021/acsami.0c09391 |

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|---|---|---|---|---|---|---|---|
| Mg1.98K0.02Zn0.98Sb2 | 373 | 237 | 8677 | 0.67 | 0.00049 | 0.27 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98K0.02Zn0.98Sb2 | 473 | 255 | 7407 | 0.63 | 0.00048 | 0.36 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98K0.02Zn0.98Sb2 | 573 | 234 | 8254 | 0.67 | 0.00045 | 0.39 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98K0.02Zn0.98Sb2 | 673 | 207 | 12063 | 0.76 | 0.00052 | 0.46 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98K0.02Zn0.98Sb2 | 773 | 185 | 17143 | 0.87 | 0.00058 | 0.52 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Ag0.02Zn0.98Sb2 | 300 | 95 | 62222 | 1.08 | 0.00056 | 0.16 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Ag0.02Zn0.98Sb2 | 373 | 114 | 50794 | 1.00 | 0.00066 | 0.24 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Ag0.02Zn0.98Sb2 | 473 | 133 | 41693 | 0.94 | 0.00074 | 0.37 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Ag0.02Zn0.98Sb2 | 573 | 151 | 34921 | 0.92 | 0.00080 | 0.50 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Ag0.02Zn0.98Sb2 | 673 | 162 | 29841 | 0.92 | 0.00079 | 0.58 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.98Ag0.02Zn0.98Sb2 | 773 | 166 | 27513 | 0.97 | 0.00076 | 0.60 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.96Li0.04Zn0.98Sb2 | 300 | 52 | 153439 | 1.42 | 0.00042 | 0.09 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.96Li0.04Zn0.98Sb2 | 373 | 63 | 127831 | 1.34 | 0.00050 | 0.14 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.96Li0.04Zn0.98Sb2 | 473 | 77 | 103280 | 1.26 | 0.00061 | 0.23 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.96Li0.04Zn0.98Sb2 | 573 | 90 | 84233 | 1.18 | 0.00069 | 0.34 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.96Li0.04Zn0.98Sb2 | 673 | 105 | 70053 | 1.12 | 0.00077 | 0.46 | https://doi.org/10.1021/acsami.0c09391 |
| Mg1.96Li0.04Zn0.98Sb2 | 773 | 122 | 58836 | 1.10 | 0.00088 | 0.62 | https://doi.org/10.1021/acsami.0c09391 |
| Ag0.97CrSe2 | 303 | 85 | 26857 | 0.50 | 0.00020 | 0.12 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97CrSe2 | 403 | 97 | 21364 | 0.44 | 0.00020 | 0.18 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97CrSe2 | 503 | 118 | 14157 | 0.41 | 0.00020 | 0.24 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97CrSe2 | 603 | 131 | 12601 | 0.40 | 0.00022 | 0.33 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97CrSe2 | 703 | 144 | 11217 | 0.40 | 0.00023 | 0.41 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97CrSe2 | 753 | 157 | 10000 | 0.40 | 0.00025 | 0.47 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Sb0.01Se2 | 303 | 79 | 30323 | 0.59 | 0.00019 | 0.10 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Sb0.01Se2 | 403 | 89 | 19184 | 0.52 | 0.00015 | 0.12 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Sb0.01Se2 | 503 | 111 | 15016 | 0.51 | 0.00019 | 0.18 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Sb0.01Se2 | 603 | 132 | 13545 | 0.47 | 0.00024 | 0.30 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Sb0.01Se2 | 703 | 168 | 10240 | 0.46 | 0.00029 | 0.44 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Sb0.01Se2 | 753 | 197 | 7556 | 0.46 | 0.00029 | 0.48 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Sb0.03Se2 | 303 | 74 | 32414 | 0.54 | 0.00018 | 0.10 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Sb0.03Se2 | 403 | 86 | 21461 | 0.47 | 0.00016 | 0.14 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Sb0.03Se2 | 503 | 111 | 17091 | 0.45 | 0.00021 | 0.24 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Sb0.03Se2 | 603 | 129 | 17153 | 0.42 | 0.00028 | 0.41 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Sb0.03Se2 | 703 | 150 | 15772 | 0.41 | 0.00035 | 0.62 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Sb0.03Se2 | 753 | 172 | 12983 | 0.41 | 0.00039 | 0.70 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Sb0.05Se2 | 303 | 83 | 20889 | 0.61 | 0.00014 | 0.07 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Sb0.05Se2 | 403 | 96 | 12240 | 0.52 | 0.00011 | 0.09 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Sb0.05Se2 | 503 | 119 | 9792 | 0.51 | 0.00014 | 0.14 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Sb0.05Se2 | 603 | 136 | 10491 | 0.49 | 0.00019 | 0.24 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Sb0.05Se2 | 703 | 168 | 9109 | 0.46 | 0.00026 | 0.39 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Sb0.05Se2 | 753 | 200 | 6743 | 0.50 | 0.00027 | 0.40 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Bi0.01Se2 | 303 | 78 | 22488 | 0.53 | 0.00014 | 0.08 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Bi0.01Se2 | 403 | 93 | 16549 | 0.46 | 0.00014 | 0.12 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Bi0.01Se2 | 503 | 112 | 12368 | 0.45 | 0.00015 | 0.17 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Bi0.01Se2 | 603 | 125 | 12082 | 0.40 | 0.00019 | 0.28 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Bi0.01Se2 | 703 | 156 | 9792 | 0.39 | 0.00024 | 0.43 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.99Bi0.01Se2 | 753 | 188 | 7618 | 0.40 | 0.00027 | 0.50 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Bi0.03Se2 | 303 | 78 | 24870 | 0.49 | 0.00015 | 0.09 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Bi0.03Se2 | 403 | 85 | 18008 | 0.43 | 0.00013 | 0.12 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Bi0.03Se2 | 503 | 106 | 15260 | 0.41 | 0.00017 | 0.21 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Bi0.03Se2 | 603 | 120 | 15410 | 0.40 | 0.00022 | 0.34 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Bi0.03Se2 | 703 | 152 | 12877 | 0.40 | 0.00030 | 0.53 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.97Bi0.03Se2 | 753 | 181 | 10468 | 0.40 | 0.00034 | 0.65 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Bi0.05Se2 | 303 | 88 | 21364 | 0.54 | 0.00017 | 0.09 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Bi0.05Se2 | 403 | 97 | 14780 | 0.47 | 0.00014 | 0.12 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Bi0.05Se2 | 503 | 116 | 12020 | 0.47 | 0.00016 | 0.17 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Bi0.05Se2 | 603 | 127 | 12336 | 0.46 | 0.00020 | 0.26 | https://doi.org/10.1021/acsami.0c09355 |
| Ag0.97Cr0.95Bi0.05Se2 | 703 | 163 | 8902 | 0.46 | 0.00024 | 0.36 | https://doi.org/10.1021/acsami.0c09355 |

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|---|---|---|---|---|---|---|---|
| Ag0.97Cr0.95Bi0.05Se2 | 753 | 188 | 6601 | 0.46 | 0.00023 | 0.38 | https://doi.org/10.1021/acsami.0c09355 |
| SnTe | 323 | 37 | 761798 | 8.13 | 0.00104 | 0.04 | https://doi.org/10.1021/acsami.0c09781 |
| SnTe | 423 | 41 | 562921 | 7.55 | 0.00097 | 0.05 | https://doi.org/10.1021/acsami.0c09781 |
| SnTe | 523 | 50 | 421348 | 6.70 | 0.00106 | 0.08 | https://doi.org/10.1021/acsami.0c09781 |
| SnTe | 623 | 64 | 320225 | 5.63 | 0.00130 | 0.14 | https://doi.org/10.1021/acsami.0c09781 |
| SnTe | 723 | 82 | 241573 | 4.61 | 0.00164 | 0.26 | https://doi.org/10.1021/acsami.0c09781 |
| Sn0.985In0.015Te | 323 | 53 | 559551 | 6.38 | 0.00159 | 0.08 | https://doi.org/10.1021/acsami.0c09781 |
| Sn0.985In0.015Te | 423 | 64 | 420230 | 5.72 | 0.00170 | 0.13 | https://doi.org/10.1021/acsami.0c09781 |
| Sn0.985In0.015Te | 523 | 76 | 316854 | 5.06 | 0.00183 | 0.19 | https://doi.org/10.1021/acsami.0c09781 |
| Sn0.985In0.015Te | 623 | 91 | 246067 | 4.29 | 0.00203 | 0.29 | https://doi.org/10.1021/acsami.0c09781 |
| Sn0.985In0.015Te | 723 | 107 | 189326 | 3.68 | 0.00216 | 0.42 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.95(AgCl)0.05 | 323 | 51 | 577528 | 5.57 | 0.00150 | 0.09 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.95(AgCl)0.05 | 423 | 63 | 478652 | 5.19 | 0.00191 | 0.16 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.95(AgCl)0.05 | 523 | 77 | 371910 | 4.70 | 0.00218 | 0.24 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.95(AgCl)0.05 | 623 | 92 | 278652 | 4.03 | 0.00238 | 0.37 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.95(AgCl)0.05 | 723 | 107 | 222472 | 3.63 | 0.00254 | 0.51 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.9(AgCl)0.1 | 323 | 57 | 464045 | 3.89 | 0.00153 | 0.13 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.9(AgCl)0.1 | 423 | 70 | 365169 | 3.58 | 0.00180 | 0.21 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.9(AgCl)0.1 | 523 | 83 | 289888 | 3.32 | 0.00202 | 0.32 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.9(AgCl)0.1 | 623 | 97 | 231461 | 3.00 | 0.00218 | 0.45 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.9(AgCl)0.1 | 723 | 113 | 180899 | 2.62 | 0.00231 | 0.64 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.9(AgCl)0.1 | 823 | 127 | 146067 | 2.26 | 0.00237 | 0.86 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.85(AgCl)0.15 | 323 | 59 | 420225 | 4.00 | 0.00144 | 0.12 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.85(AgCl)0.15 | 423 | 71 | 317978 | 3.59 | 0.00158 | 0.19 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.85(AgCl)0.15 | 523 | 84 | 249438 | 3.37 | 0.00177 | 0.27 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.85(AgCl)0.15 | 623 | 99 | 195506 | 2.98 | 0.00192 | 0.40 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.85(AgCl)0.15 | 723 | 115 | 155056 | 2.58 | 0.00205 | 0.58 | https://doi.org/10.1021/acsami.0c09781 |
| (Sn0.985In0.015Te)0.85(AgCl)0.15 | 823 | 132 | 122472 | 2.18 | 0.00215 | 0.81 | https://doi.org/10.1021/acsami.0c09781 |
| Cu2SnSe3 | 323 | 89 | 13265 | 2.83 | 0.00011 | 0.01 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2SnSe3 | 423 | 101 | 12245 | 2.05 | 0.00012 | 0.03 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2SnSe3 | 523 | 120 | 11905 | 1.61 | 0.00017 | 0.06 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2SnSe3 | 623 | 148 | 12245 | 1.31 | 0.00027 | 0.13 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2SnSe3 | 723 | 167 | 12585 | 1.14 | 0.00035 | 0.22 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2SnSe3 | 823 | 207 | 8844 | 0.90 | 0.00038 | 0.35 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2Sn0.95Fe0.05Se3 | 323 | 55 | 115306 | 3.43 | 0.00035 | 0.03 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2Sn0.95Fe0.05Se3 | 423 | 71 | 100000 | 2.70 | 0.00051 | 0.08 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2Sn0.95Fe0.05Se3 | 523 | 88 | 86824 | 2.31 | 0.00067 | 0.15 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2Sn0.95Fe0.05Se3 | 623 | 104 | 75676 | 2.02 | 0.00081 | 0.25 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2Sn0.95Fe0.05Se3 | 723 | 112 | 70608 | 1.93 | 0.00089 | 0.33 | https://doi.org/10.1021/acsami.0c04298 |
| Cu2Sn0.95Fe0.05Se3 | 823 | 185 | 29592 | 1.00 | 0.00101 | 0.85 | https://doi.org/10.1021/acsami.0c04298 |
| Ge9Sb2Te12 | 324 | 53 | 229091 | 2.90 | 0.00065 | 0.07 | https://doi.org/10.1021/acsami.0c02155 |
| Ge9Sb2Te12 | 423 | 77 | 173636 | 2.86 | 0.00104 | 0.15 | https://doi.org/10.1021/acsami.0c02155 |
| Ge9Sb2Te12 | 525 | 98 | 136364 | 2.76 | 0.00130 | 0.25 | https://doi.org/10.1021/acsami.0c02155 |
| Ge9Sb2Te12 | 625 | 113 | 120000 | 2.82 | 0.00153 | 0.34 | https://doi.org/10.1021/acsami.0c02155 |
| Ge9Sb2Te12 | 725 | 135 | 108182 | 2.54 | 0.00198 | 0.57 | https://doi.org/10.1021/acsami.0c02155 |
| Ge9Sb2Te12 | 827 | 169 | 95455 | 1.69 | 0.00272 | 1.33 | https://doi.org/10.1021/acsami.0c02155 |
| ZrCo0.88Ni0.12Sb | 302 | -63.5 | 95260 | 10.93 | 0.0003882 | 0.01133 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 352 | -80.7 | 94930 | 9.94 | 0.0006235 | 0.02266 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 402 | -93.8 | 94600 | 9.148 | 0.0008353 | 0.03824 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 451 | -105.38 | 93930 | 8.703 | 0.001029 | 0.05524 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 502 | -113.44 | 92590 | 8.209 | 0.0012 | 0.07436 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 551 | -122.02 | 90920 | 7.665 | 0.001341 | 0.09703 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 602 | -128.07 | 88910 | 7.319 | 0.001465 | 0.1176 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 652 | -133.11 | 86570 | 7.17 | 0.001529 | 0.1395 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 703 | -137.65 | 84230 | 6.824 | 0.001582 | 0.1615 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 751 | -140.17 | 81890 | 6.527 | 0.001618 | 0.1834 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 802 | -143.7 | 79890 | 6.181 | 0.001635 | 0.2033 | 10.3390/met8010061 |
| ZrCo0.88Ni0.12Sb | 851 | -146.72 | 76550 | 5.934 | 0.001653 | 0.2309 | 10.3390/met8010061 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| ZrCo0.96Ni0.04Sb | 300 | -74.6 | 53150 | 14.49 | 0.0002941 | 0.006374 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 351 | -90.8 | 54820 | 13.45 | 0.0004412 | 0.01133 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 400 | -103.87 | 57160 | 12.21 | 0.0006 | 0.02054 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 451 | -116.98 | 57830 | 11.57 | 0.0007765 | 0.03045 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 501 | -126.05 | 57830 | 10.83 | 0.0008941 | 0.04249 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 552 | -134.62 | 57160 | 10.09 | 0.001029 | 0.05524 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 601 | -141.18 | 56490 | 9.495 | 0.001112 | 0.06941 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 652 | -148.24 | 55150 | 8.901 | 0.0012 | 0.08711 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 702 | -154.29 | 53480 | 8.604 | 0.001265 | 0.1034 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 750 | -160.84 | 52140 | 8.011 | 0.001324 | 0.1246 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 801 | -166.39 | 49810 | 7.615 | 0.001371 | 0.1431 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 851 | -170.92 | 48470 | 7.22 | 0.001406 | 0.1657 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 300 | -68.1 | 76880 | 13.25 | 0.0003529 | 0.009915 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 350 | -85.2 | 77550 | 11.97 | 0.0005588 | 0.01841 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 400 | -99.8 | 77880 | 11.03 | 0.0007353 | 0.02691 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 451 | -110.42 | 77550 | 10.14 | 0.0009353 | 0.0432 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 502 | -120 | 76550 | 9.396 | 0.001094 | 0.05949 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 552 | -128.07 | 75880 | 8.852 | 0.001229 | 0.07649 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 600 | -135.13 | 73870 | 8.357 | 0.001347 | 0.09561 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 651 | -142.18 | 73200 | 8.011 | 0.001476 | 0.1183 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 701 | -149.24 | 71200 | 7.665 | 0.001582 | 0.1424 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 751 | -155.29 | 69860 | 7.269 | 0.001671 | 0.1686 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 801 | -160.84 | 68860 | 7.022 | 0.001788 | 0.2018 | 10.3390/met8010061 |
| ZrCo0.96Ni0.04Sb | 850 | -165.38 | 66850 | 6.676 | 0.001859 | 0.2351 | 10.3390/met8010061 |
| ZrCoSb | 300 | -3.03 | 13040 | 16.37 | 0 | 0 | 10.3390/met8010061 |
| ZrCoSb | 350 | -6.05 | 12700 | 15.38 | 0 | 0.001416 | 10.3390/met8010061 |
| ZrCoSb | 401 | -10.6 | 11700 | 14.09 | 0 | 0.002125 | 10.3390/met8010061 |
| ZrCoSb | 451 | -12.6 | 11700 | 12.96 | 0 | 0.0007082 | 10.3390/met8010061 |
| ZrCoSb | 500 | -14.6 | 12700 | 12.16 | 5.88E-06 | 0 | 10.3390/met8010061 |
| ZrCoSb | 551 | -17.1 | 13040 | 11.42 | 0 | 0 | 10.3390/met8010061 |
| ZrCoSb | 601 | -18.2 | 13700 | 10.58 | 0 | 0.0007082 | 10.3390/met8010061 |
| ZrCoSb | 652 | -21.2 | 14710 | 9.791 | 5.88E-06 | 0.0007082 | 10.3390/met8010061 |
| ZrCoSb | 701 | -21.7 | 15040 | 9.198 | 0 | 0 | 10.3390/met8010061 |
| ZrCoSb | 752 | -24.2 | 15710 | 8.703 | 5.88E-06 | 0.001416 | 10.3390/met8010061 |
| ZrCoSb | 802 | -24.7 | 17050 | 8.209 | 0 | 0.001416 | 10.3390/met8010061 |
| ZrCoSb | 850 | -26.2 | 18050 | 7.665 | 5.88E-06 | 0.001416 | 10.3390/met8010061 |
| Ti0.5Hf0.4Ta0.1CoSb | 300 | -124.44 | 64893 | 3.7204 | 0.001023 | 0.081172 | 10.1007/s12598-020-01569-0 |
| Ti0.5Hf0.4Ta0.1CoSb | 378 | -140.35 | 68664 | 3.6528 | 0.0013365 | 0.13416 | 10.1007/s12598-020-01569-0 |
| Ti0.5Hf0.4Ta0.1CoSb | 485 | -161.4 | 65836 | 3.4047 | 0.0017128 | 0.24464 | 10.1007/s12598-020-01569-0 |
| Ti0.5Hf0.4Ta0.1CoSb | 588 | -176.84 | 60808 | 3.2018 | 0.0019009 | 0.33484 | 10.1007/s12598-020-01569-0 |
| Ti0.5Hf0.4Ta0.1CoSb | 697 | -196.02 | 54209 | 3.0665 | 0.0020733 | 0.45885 | 10.1007/s12598-020-01569-0 |
| Ti0.5Hf0.4Ta0.1CoSb | 801 | -208.65 | 47924 | 2.8861 | 0.0020969 | 0.56144 | 10.1007/s12598-020-01569-0 |
| Ti0.5Hf0.4Ta0.1CoSb | 908 | -218.48 | 43210 | 2.7057 | 0.0020655 | 0.6708 | 10.1007/s12598-020-01569-0 |
| Ti0.5Hf0.4Ta0.1CoSb | 1011 | -225.03 | 39125 | 2.593 | 0.0020028 | 0.74746 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 301 | -154.39 | 73692 | 3.9008 | 0.0017676 | 0.13641 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 378 | -170.29 | 76207 | 3.788 | 0.0021909 | 0.21984 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 484 | -191.81 | 71178 | 3.5175 | 0.0025829 | 0.35513 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 589 | -209.59 | 60808 | 3.1567 | 0.0026691 | 0.47689 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 696 | -225.03 | 52009 | 2.9538 | 0.0026142 | 0.60316 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 800 | -241.4 | 44781 | 2.7734 | 0.0025946 | 0.73168 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 905 | -247.49 | 39125 | 2.6607 | 0.0024104 | 0.80496 | 10.1007/s12598-020-01569-0 |
| Ti0.6Hf0.3Ta0.1CoSb | 1012 | -254.97 | 35039 | 2.5254 | 0.0022693 | 0.87937 | 10.1007/s12598-020-01569-0 |
| Ti0.7Hf0.2Ta0.1CoSb | 299 | -135.2 | 89091 | 4.4194 | 0.0016657 | 0.11612 | 10.1007/s12598-020-01569-0 |
| Ti0.7Hf0.2Ta0.1CoSb | 379 | -152.98 | 91291 | 4.1037 | 0.0021831 | 0.19278 | 10.1007/s12598-020-01569-0 |
| Ti0.7Hf0.2Ta0.1CoSb | 486 | -173.1 | 84063 | 3.788 | 0.0025594 | 0.31003 | 10.1007/s12598-020-01569-0 |
| Ti0.7Hf0.2Ta0.1CoSb | 590 | -189.94 | 72121 | 3.5626 | 0.0026613 | 0.42277 | 10.1007/s12598-020-01569-0 |
| Ti0.7Hf0.2Ta0.1CoSb | 695 | -209.59 | 61122 | 3.292 | 0.0026926 | 0.54228 | 10.1007/s12598-020-01569-0 |
| Ti0.7Hf0.2Ta0.1CoSb | 799 | -224.56 | 52323 | 3.1567 | 0.0026691 | 0.65953 | 10.1007/s12598-020-01569-0 |

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|---|---|---|---|---|---|---|---|
| Ti0.7Hf0.2Ta0.1CoSb | 907 | -235.32 | 45095 | 2.8861 | 0.0025437 | 0.75874 | 10.1007/s12598-020-01569-0 |
| Ti0.7Hf0.2Ta0.1CoSb | 1012 | -251.7 | 40696 | 2.7508 | 0.0025398 | 0.89853 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 300 | -138.48 | 104800 | 4.6449 | 0.0020185 | 0.13191 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 376 | -154.39 | 101350 | 4.3067 | 0.0024026 | 0.2097 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 484 | -174.97 | 89405 | 3.9684 | 0.0026691 | 0.32582 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 589 | -193.68 | 75892 | 3.6979 | 0.0028102 | 0.44758 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 695 | -212.4 | 62065 | 3.4273 | 0.0027867 | 0.56708 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 801 | -228.77 | 52009 | 3.1567 | 0.0027318 | 0.68658 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 907 | -237.66 | 44781 | 2.8636 | 0.0025202 | 0.77001 | 10.1007/s12598-020-01569-0 |
| Ti0.8Hf0.1Ta0.1CoSb | 1012 | -247.95 | 39439 | 2.6832 | 0.0024418 | 0.88952 | 10.1007/s12598-020-01569-0 |
| NbCo1.2Sb | 297 | -57.679 | 285510 | 6.1375 | 0.00095975 | 0.043745 | 10.3390/ma11050773 |
| NbCo1.2Sb | 373 | -68.295 | 245410 | 5.7345 | 0.0011568 | 0.071306 | 10.3390/ma11050773 |
| NbCo1.2Sb | 473 | -83.166 | 205920 | 5.3203 | 0.0014324 | 0.12546 | 10.3390/ma11050773 |
| NbCo1.2Sb | 573 | -96.122 | 177100 | 5.1809 | 0.0016408 | 0.18062 | 10.3390/ma11050773 |
| NbCo1.2Sb | 672 | -108.83 | 156820 | 5.0506 | 0.0018572 | 0.2443 | 10.3390/ma11050773 |
| NbCo1.2Sb | 772 | -119.31 | 141580 | 4.9683 | 0.002018 | 0.31013 | 10.3390/ma11050773 |
| NbCo1.2Sb | 872 | -127.41 | 130260 | 4.9833 | 0.0021078 | 0.36966 | 10.3390/ma11050773 |
| NbCo1.2Sb | 972 | -134.48 | 120770 | 5.0033 | 0.0021727 | 0.4179 | 10.3390/ma11050773 |
| NbCo1.3Sb | 297 | -70.956 | 183200 | 5.2766 | 0.00088383 | 0.046086 | 10.3390/ma11050773 |
| NbCo1.3Sb | 373 | -82.356 | 161700 | 5.0918 | 0.0010716 | 0.078866 | 10.3390/ma11050773 |
| NbCo1.3Sb | 473 | -99.214 | 137000 | 4.6837 | 0.0013204 | 0.13389 | 10.3390/ma11050773 |
| NbCo1.3Sb | 573 | -114.24 | 119470 | 4.5504 | 0.0015224 | 0.19348 | 10.3390/ma11050773 |
| NbCo1.3Sb | 712 | -125.72 | 106350 | 4.4202 | 0.0019013 | 0.25233 | 10.3390/ma11050773 |
| NbCo1.3Sb | 813 | -136.92 | 96749 | 4.325 | 0.00198 | 0.31874 | 10.3390/ma11050773 |
| NbCo1.3Sb | 832 | -146.92 | 88363 | 4.2543 | 0.0016722 | 0.38813 | 10.3390/ma11050773 |
| NbCo1.3Sb | 933 | -154.8 | 83026 | 4.1561 | 0.0017894 | 0.46133 | 10.3390/ma11050773 |
| NbCo1.4Sb | 298 | -104.06 | 51617 | 4.3569 | 0.00056455 | 0.03826 | 10.3390/ma11050773 |
| NbCo1.4Sb | 393 | -121.04 | 50092 | 3.8274 | 0.00072628 | 0.062476 | 10.3390/ma11050773 |
| NbCo1.4Sb | 493 | -140.28 | 47805 | 3.7057 | 0.00092416 | 0.11102 | 10.3390/ma11050773 |
| NbCo1.4Sb | 593 | -157.5 | 45213 | 3.5989 | 0.0011021 | 0.16898 | 10.3390/ma11050773 |
| NbCo1.4Sb | 693 | -174.44 | 43383 | 3.5236 | 0.0012616 | 0.23431 | 10.3390/ma11050773 |
| NbCo1.4Sb | 792 | -185.77 | 41859 | 3.4535 | 0.0013683 | 0.2984 | 10.3390/ma11050773 |
| NbCo1.4Sb | 893 | -193.59 | 40562 | 3.2445 | 0.0014392 | 0.36092 | 10.3390/ma11050773 |
| NbCo1.4Sb | 953 | -193.37 | 40791 | 4.2056 | 0.0014338 | 0.42711 | 10.3390/ma11050773 |
| NbCo1.4Sb | 1053 | -193.37 | 40791 | 4.2056 | 0.0014338 | 0.54711 | 10.3390/ma11050773 |
| NbCo1.5Sb | 298 | -91.716 | 33473 | 4.2744 | 0.00028535 | 0.018552 | 10.3390/ma11050773 |
| NbCo1.5Sb | 372 | -105.31 | 34257 | 4.1967 | 0.00038704 | 0.033027 | 10.3390/ma11050773 |
| NbCo1.5Sb | 473 | -124.08 | 34616 | 3.8945 | 0.00053266 | 0.063309 | 10.3390/ma11050773 |
| NbCo1.5Sb | 573 | -139.65 | 34730 | 3.8314 | 0.00066933 | 0.098169 | 10.3390/ma11050773 |
| NbCo1.5Sb | 673 | -152.36 | 34616 | 3.7538 | 0.0007881 | 0.13927 | 10.3390/ma11050773 |
| NbCo1.5Sb | 773 | -164.88 | 34649 | 3.6785 | 0.0009206 | 0.19047 | 10.3390/ma11050773 |
| NbCo1.5Sb | 872 | -171.29 | 34910 | 3.6683 | 0.0010012 | 0.23574 | 10.3390/ma11050773 |
| NbCo1.5Sb | 972 | -173.05 | 36348 | 3.6149 | 0.0010658 | 0.28277 | 10.3390/ma11050773 |