

Figure S2 Distribution and histogram of the collected experimental PCE in the datasets

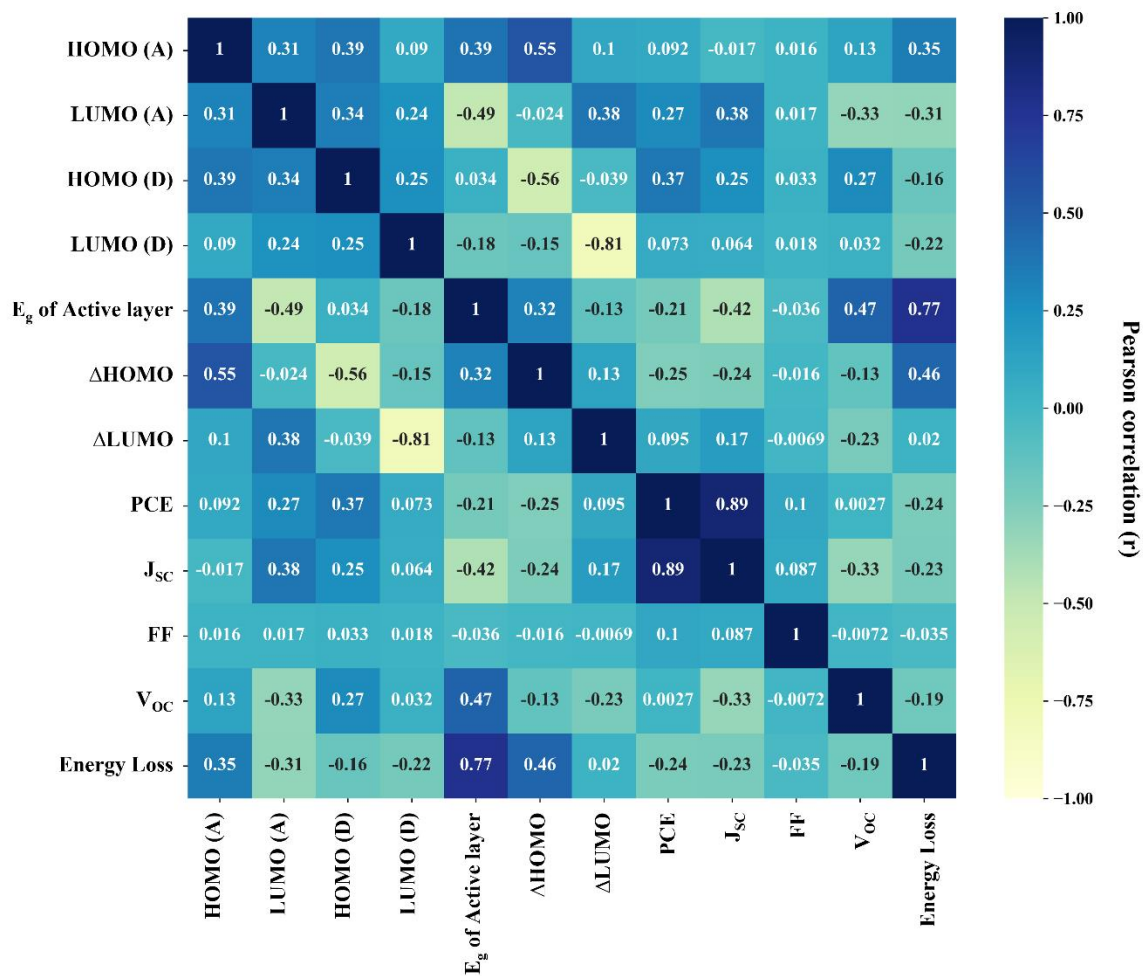


Figure S3 Correlation heatmap between FMOs descriptors and photovoltaic parameters of the polymer:NFA OSCs.

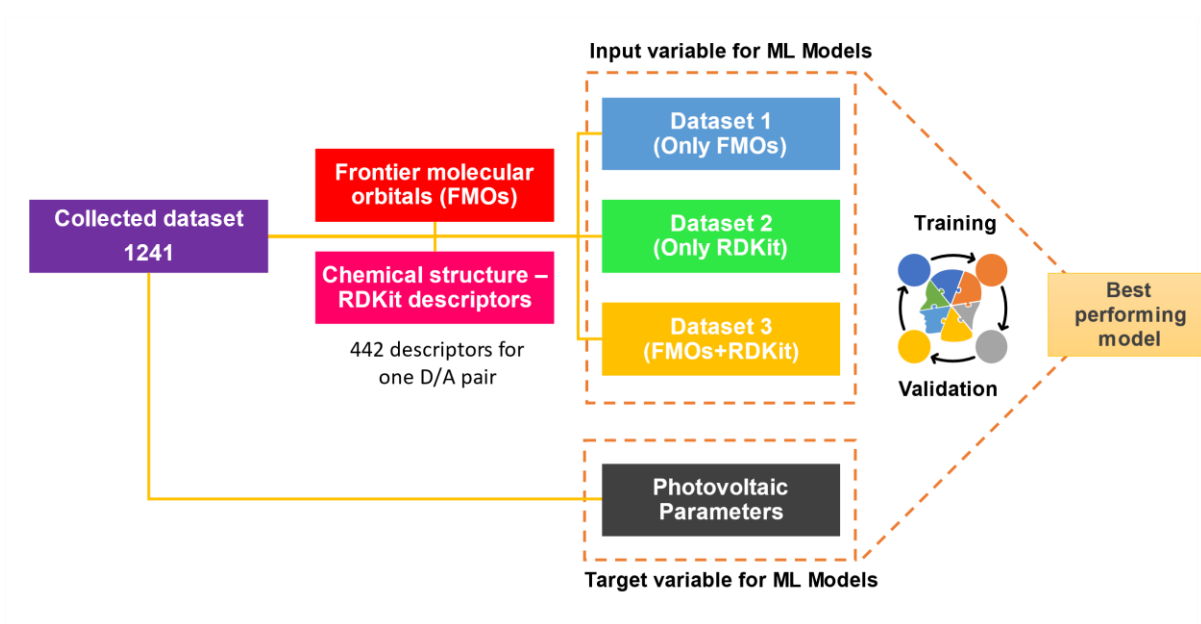


Figure S4 Workflow the ML model training and data selection

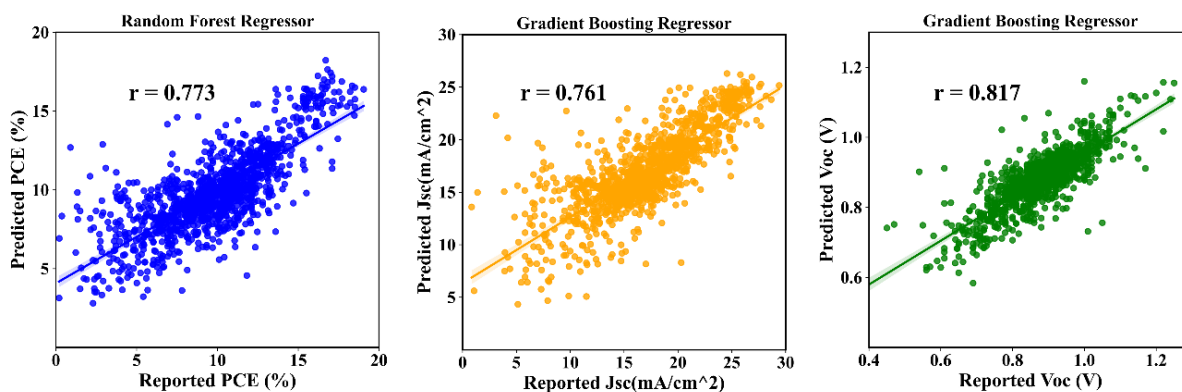


Figure S5 Correlation plots of experimental and predicted value for best-performing ML model (a) PCE , (b) J_{SC} , and (c) V_{OC} for dataset-3, where predicted values were obtained by the leave-one-out-cross-validation technique.

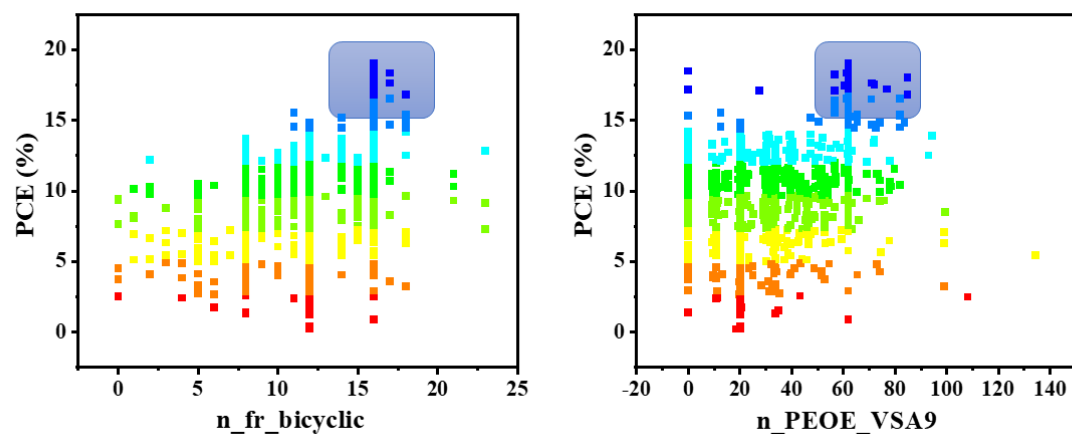


Figure S6 The correlation plots of the PCE vs $n_fr_bicyclic$ and p_EState_VSA5 , respectively.

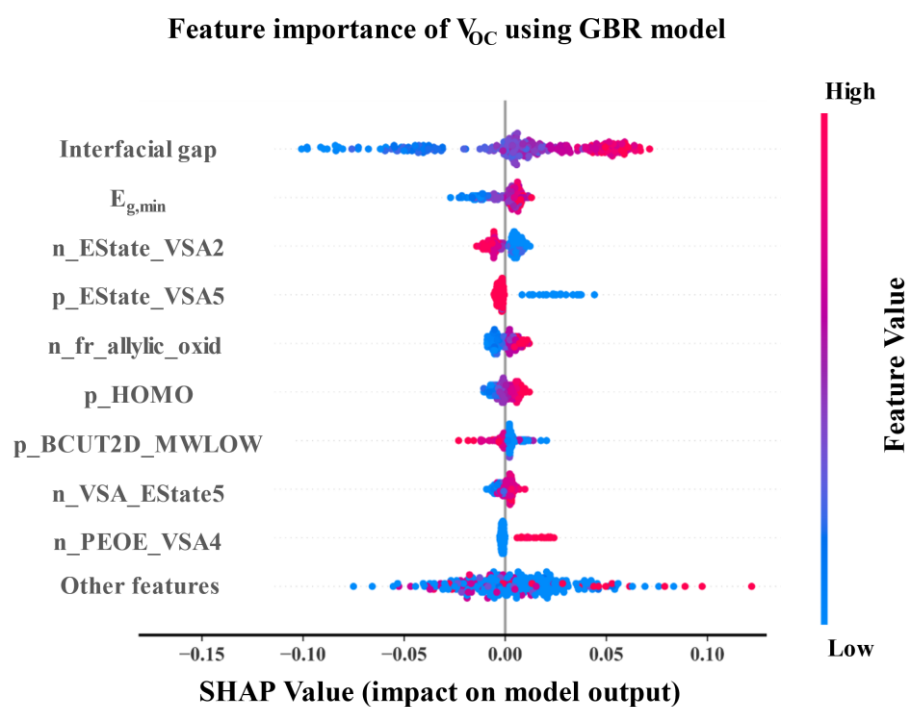


Figure S7 The feature importance ranking of FMO and RDKit descriptors by SHAP value analyses for (a) V_{OC} using GBR ML model

Table S1 The predication performance of ML models for different photovoltaic parameters using only FMOs descriptors (Dataset – 1).

| Target variable | ML Models | MAPE | RMSE | r |
|------------------------|-----------------------------|-------------|-------------|----------|
| <i>PCE</i> | Decision Tree Regressor | 30.215 | 3.324 | 0.541 |
| | Gradient Boosting Regressor | 25.595 | 2.427 | 0.670 |
| | XGBoost Regressor | 27.752 | 2.601 | 0.635 |
| | Random Forest Regressor | 24.177 | 2.332 | 0.700 |
| | Artificial Neural Network | 29.261 | 2.848 | 0.505 |
| <i>J_{sc}</i> | Decision Tree Regressor | 22.860 | 4.805 | 0.533 |
| | Gradient Boosting Regressor | 18.558 | 3.478 | 0.680 |
| | XGBoost Regressor | 19.129 | 3.690 | 0.649 |
| | Random Forest Regressor | 17.418 | 3.299 | 0.717 |
| | Artificial Neural Network | 20.489 | 3.913 | 0.585 |
| <i>V_{oc}</i> | Decision Tree Regressor | 7.927 | 0.100 | 0.531 |
| | Gradient Boosting Regressor | 5.672 | 0.067 | 0.689 |
| | XGBoost Regressor | 5.660 | 0.071 | 0.661 |
| | Random Forest Regressor | 5.489 | 0.065 | 0.704 |
| | Artificial Neural Network | 6.480 | 0.073 | 0.603 |

Table S2 Performance evaluation parameters for different ML models using LOOCV using FMOs+RDKit descriptors (Dataset – 3)

| Target variable | ML Models | MAPE | RMSE | r |
|-----------------------|-----------------------------|--------|-------|-------|
| <i>PCE</i> | Random Forest Regressor | 17.170 | 2.112 | 0.773 |
| | Gradient Boosting Regressor | 18.098 | 2.200 | 0.751 |
| | XGBoost Regressor | 22.167 | 2.292 | 0.737 |
| | Artificial Neural Network | 22.923 | 2.555 | 0.695 |
| <i>J_{sc}</i> | Random Forest Regressor | 16.564 | 2.992 | 0.792 |
| | Gradient Boosting Regressor | 14.203 | 2.570 | 0.842 |
| | XGBoost Regressor | 16.202 | 3.157 | 0.761 |
| | Artificial Neural Network | 14.574 | 2.832 | 0.804 |
| <i>V_{oc}</i> | Random Forest Regressor | 4.468 | 0.058 | 0.813 |
| | Gradient Boosting Regressor | 4.662 | 0.057 | 0.817 |
| | XGBoost Regressor | 4.427 | 0.058 | 0.814 |
| | Artificial Neural Network | 4.684 | 0.069 | 0.802 |

Table S3 Manually collected datasets from the literature for Polymer:NFA based OSCs

| Sr. No. | Donor | Acceptor | PCE (%) | J _{sc} (mA/cm ²) | FF | V _{oc} (V) | DOI |
|---------|------------|-----------|---------|---------------------------------------|-------|---------------------|---|
| 1. | PTB7-Th | DICTF-C10 | 6.930 | 16.350 | 0.500 | 0.865 | https://doi.org/10.1021/a-csaem.8b00012 |
| 2. | PTBFBz | ITIC | 8.330 | 15.280 | 0.690 | 0.790 | https://doi.org/10.1021/a-csaem.8b00574 |
| 3. | PBDT-DFQX1 | O-IDTBR | 8.670 | 14.000 | 0.579 | 1.070 | https://doi.org/10.1021/a-csaem.8b00453 |
| 4. | PBCIT | ITIC | 8.460 | 13.950 | 0.601 | 1.010 | https://doi.org/10.1021/a-csaem.8b00506 |
| 5. | PTB7-Th | ITIC | 6.910 | 14.760 | 0.571 | 0.820 | https://doi.org/10.1021/a-csaem.8b00506 |
| 6. | PBDB-T | ITDI | 8.000 | 13.940 | 0.598 | 0.940 | https://doi.org/10.1021/a-csami.7b05417 |
| 7. | PBDB-T | BDCPDT-IC | 9.330 | 16.560 | 0.655 | 0.860 | https://doi.org/10.1021/a-csami.7b06650 |

| | | | | | | | |
|-----|------------|------------|--------|--------|-------|-------|---|
| 8. | PBDTSi-TA | ITIC | 7.510 | 14.090 | 0.553 | 0.960 | https://doi.org/10.1021/a csami.7b092 53 |
| 9. | PBDTSi-Q | ITIC | 4.380 | 9.470 | 0.509 | 0.910 | https://doi.org/10.1021/a csami.7b092 53 |
| 10. | PBDTTPD-HT | ITIC | 10.200 | 15.400 | 0.680 | 0.970 | https://doi.org/10.1021/a csami.7b097 57 |
| 11. | PBDB-ST | ITIC-SC6 | 7.170 | 13.870 | 0.580 | 0.900 | https://doi.org/10.1021/a csami.7b099 15 |
| 12. | PBDB-ST | ITIC-SC8 | 7.490 | 14.430 | 0.600 | 0.900 | https://doi.org/10.1021/a csami.7b099 15 |
| 13. | PBDB-ST | ITIC-SC2C6 | 8.940 | 15.320 | 0.640 | 0.920 | https://doi.org/10.1021/a csami.7b099 15 |
| 14. | PBODT | ITIC | 7.060 | 10.700 | 0.664 | 1.000 | https://doi.org/10.1021/a csami.7b100 59 |
| 15. | PBODT | IDIC | 8.190 | 13.300 | 0.668 | 0.920 | https://doi.org/10.1021/a csami.7b100 59 |
| 16. | PTTBTBO | ITIC | 1.570 | 3.940 | 0.460 | 0.870 | https://doi.org/10.1021/a csami.7b181 52 |
| 17. | PDTBTBO | ITIC | 5.410 | 10.420 | 0.590 | 0.880 | https://doi.org/10.1021/a csami.7b181 52 |
| 18. | P2FDTBTBO | ITIC | 2.460 | 7.040 | 0.380 | 0.920 | https://doi.org/10.1021/a csami.7b181 52 |
| 19. | P3HT | Qx1 | 4.030 | 6.020 | 0.670 | 1.000 | https://doi.org/10.1021/a csami.8b002 16 |
| 20. | P3HT | Qx1b | 4.810 | 7.340 | 0.690 | 0.950 | https://doi.org/10.1021/a csami.8b002 16 |
| 21. | PTB7-Th | IDT-FBTR | 9.140 | 15.180 | 0.576 | 1.020 | https://doi.org/10.1021/acsami.8b04541 |
| 22. | PTzBI-S | ITIC | 9.120 | 16.620 | 0.600 | 0.915 | https://doi.org/10.1021/a csami.8b057 00 |
| 23. | PTzBI-Ph | ITIC | 10.190 | 16.390 | 0.677 | 0.918 | https://doi.org/10.1021/a csami.8b057 00 |

| | | | | | | | |
|-----|-------------|------------|--------|--------|-------|-------|---|
| 24. | P1 | IDIC | 4.860 | 8.530 | 0.662 | 0.860 | https://doi.org/10.1021/a csami.8b044 32 |
| 25. | P2 | IDIC | 7.750 | 13.150 | 0.648 | 0.910 | https://doi.org/10.1021/a csami.8b044 32 |
| 26. | P3 | IDIC | 9.700 | 15.990 | 0.609 | 1.000 | https://doi.org/10.1021/a csami.8b044 32 |
| 27. | P4 | IDIC | 2.930 | 4.820 | 0.574 | 1.060 | https://doi.org/10.1021/a csami.8b044 32 |
| 28. | PPDT2FBT | IDT2BR | 5.160 | 8.400 | 0.550 | 1.100 | https://doi.org/10.1021/acsami.8b06445 |
| 29. | PffBT4T-2DT | EH-IDTBR | 11.100 | 17.200 | 0.630 | 1.020 | https://doi.org/10.1021/a csenergylett.7b00390 |
| 30. | PTB7-Th | ITIC | 6.620 | 14.340 | 0.580 | 0.800 | https://doi.org/10.1021/a csenergylett.7b00551 |
| 31. | PBTC1 | ITIC | 7.570 | 14.530 | 0.580 | 0.910 | https://doi.org/10.1021/a csenergylett.7b00551 |
| 32. | J71 | IT-M | 10.680 | 17.710 | 0.615 | 0.981 | https://doi.org/10.1021/a csenergylett.8b00100 |
| 33. | J71 | ITIC | 10.650 | 16.260 | 0.682 | 0.929 | https://doi.org/10.1021/a csenergylett.8b00100 |
| 34. | PTB7-Th | IEICO-4F | 12.800 | 27.300 | 0.657 | 0.712 | https://doi.org/10.1021/a csenergylett.7b01266 |
| 35. | PTB7-Th | ITIC | 7.800 | 14.400 | 0.660 | 0.825 | https://doi.org/10.1021/a csenergylett.8b00366 |
| 36. | PTB7-Th | IDTT-T | 9.100 | 15.700 | 0.570 | 1.015 | https://doi.org/10.1021/a csenergylett.8b00366 |
| 37. | J52 | IEICO-4F | 8.200 | 20.480 | 0.569 | 0.704 | https://doi.org/10.1021/a csenergylett.8b00627 |
| 38. | J52 | i-IEICO-4F | 13.180 | 22.860 | 0.679 | 0.849 | https://doi.org/10.1021/a csenergylett.8b00627 |
| 39. | PBDB-T | BDCPDT-TTC | 10.290 | 17.720 | 0.618 | 0.940 | https://doi.org/10.1021/a csenergylett.8b00563 |

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|-----|---------|----------------|--------|--------|-------|-------|---|
| 40. | PBDB-T | BDCPDT- IC | 9.330 | 16.560 | 0.655 | 0.860 | https://doi.org/10.1021/a csenergylett. 8b00563 |
| 41. | PBDB-T | BDCPDT- FIC | 8.120 | 19.120 | 0.607 | 0.700 | https://doi.org/10.1021/a csenergylett. 8b00563 |
| 42. | PBDB-T | IDT6CN-M | 11.230 | 15.970 | 0.761 | 0.924 | https://doi.org/10.1021/a csenergylett. 8b00825 |
| 43. | PBDB-T | IDT8CN-M | 12.430 | 17.110 | 0.789 | 0.920 | https://doi.org/10.1021/a csenergylett. 8b00825 |
| 44. | PBDB-T | IDTT2F | 8.850 | 18.510 | 0.590 | 0.810 | https://doi.org/10.1021/a csenergylett. 8b00928 |
| 45. | PBDB-T | IDTOT2F | 12.790 | 20.870 | 0.720 | 0.850 | https://doi.org/10.1021/a csenergylett. 8b00928 |
| 46. | P3HT | BTA1 | 5.240 | 7.340 | 0.700 | 1.020 | https://doi.org/10.1021/a csmacrolett. 7b00097 |
| 47. | P3HT | BTA2 | 4.500 | 6.150 | 0.600 | 1.220 | https://doi.org/10.1021/a csmacrolett. 7b00097 |
| 48. | PTB7-Th | pO-ITIC | 7.510 | 14.790 | 0.591 | 0.800 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |
| 49. | PTB7-Th | mO-ITIC | 7.330 | 14.190 | 0.601 | 0.800 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |
| 50. | PTB7-Th | FpO-ITIC | 6.170 | 12.990 | 0.567 | 0.780 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |
| 51. | PTB7-Th | ITIC | 7.310 | 13.820 | 0.616 | 0.800 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |
| 52. | PTZ-DO | pO-ITIC | 9.030 | 14.560 | 0.674 | 0.920 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |
| 53. | PTZ-DO | mO-ITIC | 9.280 | 15.180 | 0.664 | 0.920 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |
| 54. | PTZ-DO | FpO-ITIC | 6.690 | 12.550 | 0.606 | 0.880 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |
| 55. | PTZ-DO | ITIC | 8.050 | 14.300 | 0.612 | 0.920 | https://doi.org/10.1021/a cssuscheme ng.7b03606 |

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|-----|--------------|---------|--------|--------|-------|-------|---|
| 56. | P3HT | NIDCS | 2.510 | 8.040 | 0.460 | 0.730 | https://doi.org/10.1002/aenm.201400929 |
| 57. | PBDB-T | IT-DM | 11.250 | 16.290 | 0.688 | 0.960 | https://doi.org/10.1002/aenm.201602000 |
| 58. | PBDB-T | IT-M | 12.050 | 17.310 | 0.707 | 0.940 | https://doi.org/10.1002/aenm.201602000 |
| 59. | PffBT-T3 | ITIC-Th | 7.900 | 14.250 | 0.608 | 0.880 | https://doi.org/10.1002/aenm.201602119 |
| 60. | PffBTBX-T3 | ITIC-Th | 9.000 | 15.290 | 0.598 | 0.960 | https://doi.org/10.1002/aenm.201602119 |
| 61. | PffBX-T3 | ITIC-Th | 7.400 | 11.720 | 0.569 | 1.070 | https://doi.org/10.1002/aenm.201602119 |
| 62. | PDTP4TFBT | ITIC | 7.800 | 14.260 | 0.593 | 0.900 | https://doi.org/10.1002/aenm.201602509 |
| 63. | PBDB-T | IT-OM-1 | 6.300 | 12.310 | 0.510 | 1.010 | https://doi.org/10.1002/aenm.201700183 |
| 64. | PBDB-T | IT-OM-2 | 11.900 | 17.530 | 0.730 | 0.930 | https://doi.org/10.1002/aenm.201700183 |
| 65. | PBDB-T | IT-OM-3 | 10.800 | 16.380 | 0.680 | 0.970 | https://doi.org/10.1002/aenm.201700183 |
| 66. | PBDB-T | IT-OM-4 | 7.900 | 14.690 | 0.560 | 0.960 | https://doi.org/10.1002/aenm.201700183 |
| 67. | J81 | ITIC | 10.600 | 15.270 | 0.731 | 0.950 | https://doi.org/10.1002/aenm.201700746 |
| 68. | J81 | m-ITIC | 11.050 | 16.480 | 0.698 | 0.960 | https://doi.org/10.1002/aenm.201700746 |
| 69. | P3HT | IDTBR | 6.050 | 12.550 | 0.670 | 0.720 | https://doi.org/10.1002/aenm.201700770 |
| 70. | PBDT[2F]T | ITIC | 5.600 | 11.600 | 0.530 | 0.940 | https://doi.org/10.1002/aenm.201700834 |
| 71. | PBDT(T)[2F]T | ITIC | 9.100 | 16.900 | 0.620 | 0.940 | https://doi.org/10.1002/aenm.201700834 |

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|-----|-------------|-----------|--------|--------|-------|-------|---|
| 72. | PTPTI-T100 | m-ITIC | 9.100 | 13.900 | 0.683 | 0.960 | https://doi.org/10.1002/aenm.201701125 |
| 73. | PffBT4T-2DT | ITIC-Th | 6.600 | 13.320 | 0.569 | 0.850 | https://doi.org/10.1002/aenm.201701674 |
| 74. | PffBT-T3 | ITIC-Th | 8.000 | 14.250 | 0.608 | 0.880 | https://doi.org/10.1002/aenm.201701674 |
| 75. | PTFB-P | ITIC-Th | 9.200 | 15.350 | 0.642 | 0.920 | https://doi.org/10.1002/aenm.201701674 |
| 76. | PTFB-O | ITIC-Th | 10.900 | 16.700 | 0.676 | 0.920 | https://doi.org/10.1002/aenm.201701674 |
| 77. | PTB7-Th | ITIC-Th | 8.500 | 16.070 | 0.672 | 0.800 | https://doi.org/10.1002/aenm.201701674 |
| 78. | PTB7-Th | 6TIC | 11.070 | 20.110 | 0.662 | 0.831 | https://doi.org/10.1002/aenm.201702831 |
| 79. | PBDB-T | F-H | 9.590 | 15.020 | 0.670 | 0.940 | https://doi.org/10.1002/aenm.201702870 |
| 80. | PBDB-T | F-F | 10.850 | 17.360 | 0.710 | 0.880 | https://doi.org/10.1002/aenm.201702870 |
| 81. | PBDB-T | F-Cl | 11.470 | 17.610 | 0.750 | 0.870 | https://doi.org/10.1002/aenm.201702870 |
| 82. | PBDB-T | F-Br | 12.050 | 18.220 | 0.760 | 0.870 | https://doi.org/10.1002/aenm.201702870 |
| 83. | PTQ10 | m-ITIC-2F | 12.530 | 18.980 | 0.691 | 0.955 | https://doi.org/10.1002/aenm.201800815 |
| 84. | PTQ10 | m-ITIC-4F | 12.530 | 19.760 | 0.703 | 0.902 | https://doi.org/10.1002/aenm.201800815 |
| 85. | PTB7-Th | SiOTIC-4F | 9.000 | 21.600 | 0.614 | 0.650 | https://doi.org/10.1002/aenm.201801212 |
| 86. | PTB7-Th | COTIC-4F | 7.400 | 20.300 | 0.563 | 0.560 | https://doi.org/10.1002/aenm.201801212 |
| 87. | PBDT-TT | ITIC | 9.670 | 17.200 | 0.680 | 0.827 | https://doi.org/10.1002/aenm.201801214 |

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|------|-------------|-----------|--------|--------|-------|-------|---|
| 88. | PBDT-TT | IT-M | 11.380 | 17.900 | 0.710 | 0.895 | https://doi.org/10.1002/aenm.201801214 |
| 89. | PBDT-TT | 6TIC | 11.030 | 21.400 | 0.640 | 0.805 | https://doi.org/10.1002/aenm.201801214 |
| 90. | PBDB-T | IXIC | 11.300 | 20.900 | 0.654 | 0.820 | https://doi.org/10.1002/aenm.201801203 |
| 91. | PBDB-T | IXIC-2Cl | 12.200 | 23.600 | 0.709 | 0.730 | https://doi.org/10.1002/aenm.201801203 |
| 92. | PBDB-T | IXIC-4Cl | 11.200 | 22.900 | 0.712 | 0.690 | https://doi.org/10.1002/aenm.201801203 |
| 93. | PTB7-Th | ITIC-2F | 8.700 | 16.200 | 0.700 | 0.748 | https://doi.org/10.1002/aenm.201801209 |
| 94. | PTB7-Th | IOTIC-2F | 12.100 | 21.900 | 0.650 | 0.817 | https://doi.org/10.1002/aenm.201801209 |
| 95. | PTB7-Th | ITOTIC-2F | 3.700 | 7.000 | 0.610 | 0.785 | https://doi.org/10.1002/aenm.201801209 |
| 96. | PBDB-T | IDTO-T-4 | 12.620 | 20.120 | 0.727 | 0.864 | https://doi.org/10.1002/aenm.201801618 |
| 97. | PBDB-T | IDTO-Se-4 | 10.670 | 18.550 | 0.692 | 0.831 | https://doi.org/10.1002/aenm.201801618 |
| 98. | PBDB-T | IDTO-TT-4 | 10.210 | 17.210 | 0.694 | 0.856 | https://doi.org/10.1002/aenm.201801618 |
| 99. | PBDT-NQx | ITIC | 9.110 | 16.100 | 0.646 | 0.870 | https://doi.org/10.1002/afm.201701491 |
| 100. | PBDTS-NQx | ITIC | 11.470 | 17.860 | 0.698 | 0.920 | https://doi.org/10.1002/afm.201701491 |
| 101. | PffBT4T-2OD | FBR | 7.040 | 12.620 | 0.500 | 1.110 | https://doi.org/10.1002/afm.201704389 |
| 102. | J61 | BTA3 | 8.250 | 10.840 | 0.662 | 1.150 | https://doi.org/10.1002/afm.201704507 |
| 103. | PBDB-T | ITC6-IC | 11.610 | 16.410 | 0.730 | 0.970 | https://doi.org/10.1002/afm.201705095 |

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|------|----------------|--------------|--------|--------|-------|-------|---|
| 104. | PBDB-T | ITIC | 10.210 | 16.270 | 0.690 | 0.910 | https://doi.org/10.1002/afm.201705095 |
| 105. | PBDB-T | ITIC | 10.540 | 16.550 | 0.707 | 0.896 | https://doi.org/10.1002/afm.201705659 |
| 106. | PBDB-T | IT-M | 11.520 | 16.370 | 0.741 | 0.950 | https://doi.org/10.1002/afm.201705659 |
| 107. | PBDB-T | Ph-DTDP-IC | 7.730 | 14.580 | 0.679 | 0.780 | https://doi.org/10.1002/afm.201705927 |
| 108. | PBDB-T | Ph-DTDP-TIC | 9.210 | 17.310 | 0.596 | 0.890 | https://doi.org/10.1002/afm.201705927 |
| 109. | PBDB-T | Ph-DTDP-TTIC | 4.020 | 10.580 | 0.421 | 0.900 | https://doi.org/10.1002/afm.201705927 |
| 110. | PBDT-FBT | ITIC | 7.150 | 13.510 | 0.613 | 0.800 | https://doi.org/10.1002/afm.201706404 |
| 111. | PBDTS-FBT | ITIC | 8.580 | 14.440 | 0.638 | 0.870 | https://doi.org/10.1002/afm.201706404 |
| 112. | PBDTF-BT | ITIC | 9.170 | 15.220 | 0.645 | 0.890 | https://doi.org/10.1002/afm.201706404 |
| 113. | PBDTSF-FBT | ITIC | 11.660 | 16.880 | 0.652 | 1.010 | https://doi.org/10.1002/afm.201706404 |
| 114. | PBDT-2TC | ITIC | 9.350 | 15.300 | 0.657 | 0.930 | https://doi.org/10.1002/afm.201706517 |
| 115. | PBDT-S-2TC | ITIC | 10.120 | 16.400 | 0.643 | 0.960 | https://doi.org/10.1002/afm.201706517 |
| 116. | PTB7-Th | Para-TrBRCN | 8.290 | 13.750 | 0.635 | 0.950 | https://doi.org/10.1002/afm.201707493 |
| 117. | PTB7-Th | Meta-TrBRCN | 10.150 | 16.750 | 0.645 | 0.940 | https://doi.org/10.1002/afm.201707493 |
| 118. | PTB7-Th | ITIC | 6.800 | 14.210 | 0.591 | 0.810 | https://doi.org/10.1002/adma.201404317 |
| 119. | PfFT2-FTAZ-2DT | IEIC | 7.300 | 12.200 | 0.590 | 0.998 | https://doi.org/10.1002/adma.201502775 |

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|------|----------|----------|--------|--------|-------|-------|---|
| 120. | PPDT2FBT | NIDCS-HO | 7.640 | 11.880 | 0.630 | 1.030 | https://doi.org/10.1002/adma.201504091 |
| 121. | PBDB-T | ITIC | 11.210 | 16.810 | 0.742 | 0.899 | https://doi.org/10.1002/adma.201600281 |
| 122. | J51 | ITIC | 9.260 | 16.470 | 0.690 | 0.820 | https://doi.org/10.1002/adma.201601595 |
| 123. | J50 | ITIC | 4.800 | 12.930 | 0.530 | 0.710 | https://doi.org/10.1002/adma.201601595 |
| 124. | PBDB-T | IT-M | 12.050 | 17.440 | 0.735 | 0.940 | https://doi.org/10.1002/adma.201602776 |
| 125. | PBDB-T | IT-DM | 11.290 | 16.480 | 0.706 | 0.970 | https://doi.org/10.1002/adma.201602776 |
| 126. | PPBDTBT | ITIC | 7.720 | 13.000 | 0.630 | 0.925 | https://doi.org/10.1002/adma.201603588 |
| 127. | PDBT-T1 | ITIC-Th | 6.430 | 11.700 | 0.594 | 0.919 | https://doi.org/10.1002/adma.201602570 |
| 128. | PBDB-T | DICTF | 5.930 | 10.300 | 0.590 | 0.930 | https://doi.org/10.1002/adma.201604964 |
| 129. | PBDB-T | FDICTF | 10.060 | 15.810 | 0.660 | 0.940 | https://doi.org/10.1002/adma.201604964 |
| 130. | PTzBI-DT | ITIC | 9.430 | 16.840 | 0.615 | 0.910 | https://doi.org/10.1002/adma.201606396 |
| 131. | PTzBI | ITIC | 10.240 | 18.290 | 0.643 | 0.870 | https://doi.org/10.1002/adma.201606396 |
| 132. | FTAZ | ITIC-Th | 8.880 | 15.840 | 0.613 | 0.915 | https://doi.org/10.1002/adma.201700144 |
| 133. | FTAZ | ITIC-Th1 | 12.100 | 19.330 | 0.737 | 0.849 | https://doi.org/10.1002/adma.201700144 |
| 134. | PBDB-T | ITCC | 11.400 | 15.900 | 0.710 | 1.010 | https://doi.org/10.1002/adma.201700254 |
| 135. | PBDB-T | ITIC | 10.600 | 17.000 | 0.670 | 0.930 | https://doi.org/10.1002/adma.201700254 |

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| 136. | J52 | IT-M | 9.400 | 17.100 | 0.651 | 0.843 | https://doi.org/10.1002/adma.201700437 |
| 137. | J52 | IEICO | 6.500 | 15.100 | 0.510 | 0.848 | https://doi.org/10.1002/adma.201700437 |
| 138. | FTAZ | ITIC1 | 8.110 | 15.670 | 0.561 | 0.920 | https://doi.org/10.1002/adma.201702125 |
| 139. | FTAZ | ITIC2 | 11.000 | 18.630 | 0.620 | 0.922 | https://doi.org/10.1002/adma.201702125 |
| 140. | PTZ1 | IDIC | 11.500 | 16.400 | 0.762 | 0.920 | https://doi.org/10.1002/adma.201702291 |
| 141. | J52 | IEICO-4C1 | 10.100 | 23.800 | 0.607 | 0.700 | https://doi.org/10.1002/adma.201703080 |
| 142. | PBDB-T | IEICO-4C1 | 9.670 | 20.800 | 0.625 | 0.744 | https://doi.org/10.1002/adma.201703080 |
| 143. | PTB7-Th | IEICO-4C1 | 10.300 | 22.800 | 0.620 | 0.727 | https://doi.org/10.1002/adma.201703080 |
| 144. | PBDB-T | SFBRCN | 9.390 | 13.650 | 0.709 | 0.970 | https://doi.org/10.1002/adma.201704271 |
| 145. | PBDB-T | IT-M | 10.890 | 17.050 | 0.681 | 0.937 | https://doi.org/10.1002/adma.201703005 |
| 146. | PBDT-TDZ | ITIC | 11.720 | 17.150 | 0.677 | 1.010 | https://doi.org/10.1002/adma.201703973 |
| 147. | PBDTS-TDZ | ITIC | 12.800 | 17.780 | 0.654 | 1.100 | https://doi.org/10.1002/adma.201703973 |
| 148. | PM6 | IDIC | 11.500 | 17.300 | 0.700 | 0.950 | https://doi.org/10.1002/adma.201704546 |
| 149. | FTAZ | IHIC2 | 7.450 | 15.700 | 0.612 | 0.775 | https://doi.org/10.1002/adma.201704713 |
| 150. | FTAZ | IOIC2 | 12.300 | 19.700 | 0.693 | 0.900 | https://doi.org/10.1002/adma.201704713 |
| 151. | PBDB-T | NFBBDT | 10.420 | 17.850 | 0.672 | 0.868 | https://doi.org/10.1002/adma.201704904 |

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| 152. | PBDB-T | NCBDT | 12.120 | 20.330 | 0.710 | 0.839 | https://doi.org/10.1002/adma.201704904 |
| 153. | PTB7-Th | NCBDT | 9.890 | 18.640 | 0.685 | 0.775 | https://doi.org/10.1002/adma.201704904 |
| 154. | PBDB-T | DF-PCIC | 10.140 | 15.660 | 0.720 | 0.910 | https://doi.org/10.1002/adma.201705208 |
| 155. | PBDB-T | ITIC | 10.000 | 17.000 | 0.660 | 0.890 | https://doi.org/10.1002/adma.201705209 |
| 156. | PBDB-T | C8-ITIC | 12.410 | 19.700 | 0.730 | 0.870 | https://doi.org/10.1002/adma.201705209 |
| 157. | PFBDB-T | ITIC | 11.710 | 18.500 | 0.660 | 0.950 | https://doi.org/10.1002/adma.201705209 |
| 158. | PFBDB-T | C8-ITIC | 13.200 | 19.600 | 0.720 | 0.940 | https://doi.org/10.1002/adma.201705209 |
| 159. | J71 | ITCPTC | 11.630 | 17.520 | 0.741 | 0.896 | https://doi.org/10.1002/adma.201706124 |
| 160. | J71 | MeIC | 12.540 | 18.410 | 0.742 | 0.918 | https://doi.org/10.1002/adma.201706124 |
| 161. | FTAZ | IDIC | 12.500 | 20.800 | 0.718 | 0.840 | https://doi.org/10.1002/adma.201706363 |
| 162. | PBDB-T | INPIC | 4.310 | 8.550 | 0.525 | 0.960 | https://doi.org/10.1002/adma.201707150 |
| 163. | PBDB-T | INPIC-4F | 13.130 | 21.610 | 0.715 | 0.850 | https://doi.org/10.1002/adma.201707150 |
| 164. | PBDB-TF | IT-M | 10.500 | 15.780 | 0.650 | 1.020 | https://doi.org/10.1002/adma.201707170 |
| 165. | PBDB-TF | IT-4F | 13.700 | 20.380 | 0.770 | 0.870 | https://doi.org/10.1002/adma.201707170 |
| 166. | PBDB-T | F-H | 10.060 | 15.810 | 0.670 | 0.940 | https://doi.org/10.1002/adma.201707508 |
| 167. | PBDB-T | F-M | 10.290 | 14.560 | 0.710 | 0.980 | https://doi.org/10.1002/adma.201707508 |

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| 168. | PTB7-Th | NFBDT | 6.740 | 14.590 | 0.580 | 0.800 | https://doi.org/10.1002/adma.201707508 |
| 169. | PTB7-Th | NOBDT | 10.550 | 19.160 | 0.700 | 0.770 | https://doi.org/10.1002/adma.201707508 |
| 170. | PBDB-T | IDTCN | 6.400 | 12.060 | 0.625 | 0.850 | https://doi.org/10.1002/adma.201800052 |
| 171. | PBDB-T | ITCPTC | 10.740 | 17.530 | 0.728 | 0.840 | https://doi.org/10.1002/adma.201800052 |
| 172. | PBDB-T | IDT6CN | 9.200 | 15.140 | 0.738 | 0.830 | https://doi.org/10.1002/adma.201800052 |
| 173. | PBDB-T | IDT6CN-Th | 10.410 | 16.750 | 0.767 | 0.810 | https://doi.org/10.1002/adma.201800052 |
| 174. | PBDB-T | IDT6CN-M | 11.200 | 16.020 | 0.768 | 0.910 | https://doi.org/10.1002/adma.201800052 |
| 175. | PBDT-T-2F | IT-4Cl | 13.450 | 22.670 | 0.752 | 0.790 | https://doi.org/10.1002/adma.201800613 |
| 176. | PBDT-T-2F | IT-2Cl | 13.160 | 19.080 | 0.748 | 0.922 | https://doi.org/10.1002/adma.201800613 |
| 177. | PBDT-ODZ | ITIC-Th | 12.340 | 17.020 | 0.681 | 1.060 | https://doi.org/10.1002/adma.201800737 |
| 178. | PBDB-T-2F | IT-4F | 13.200 | 20.810 | 0.760 | 0.840 | https://doi.org/10.1002/adma.201800868 |
| 179. | PBDB-T-2F | IT-4F | 14.400 | 21.800 | 0.770 | 0.860 | https://doi.org/10.1002/adma.201800868 |
| 180. | PTB7-Th | 3TT-FIC | 12.210 | 25.890 | 0.712 | 0.662 | https://doi.org/10.1002/advs.201800307 |
| 181. | P3HT | N5 | 2.850 | 7.910 | 0.460 | 0.610 | https://doi.org/10.1002/ajoc.201500207 |
| 182. | PBDB-T | IDTBOR | 7.740 | 15.980 | 0.547 | 0.890 | https://doi.org/10.1002/ajoc.201800389 |
| 183. | PBDB-T | IDTBSR | 6.950 | 13.950 | 0.524 | 0.950 | https://doi.org/10.1002/ajoc.201800389 |

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| 184. | P3HT | Th-PhCHO | 2.400 | 5.140 | 0.450 | 1.030 | https://doi.org/10.1039/C3CC47289B |
| 185. | P2 | NI-AA-NI | 3.710 | 6.290 | 0.550 | 1.070 | https://doi.org/10.1039/C5CC08023A |
| 186. | PTB7-Th | FRd2 | 9.400 | 15.700 | 0.723 | 0.833 | https://doi.org/10.1039/C7CC08237A |
| 187. | PSEHTT | FTB | 5.420 | 8.170 | 0.520 | 1.150 | https://doi.org/10.1039/C7CC09123K |
| 188. | PSEHTT | FTTB | 7.170 | 12.470 | 0.510 | 1.000 | https://doi.org/10.1039/C7CC09123K |
| 189. | PTB7-Th | FBM | 5.100 | 11.200 | 0.510 | 0.880 | https://doi.org/10.1021/a cs.chemmater.6b00131 |
| 190. | PTB7-Th | CBM | 5.300 | 10.600 | 0.530 | 0.880 | https://doi.org/10.1021/a cs.chemmater.6b00131 |
| 191. | PTB7-Th | CDTBM | 5.000 | 11.900 | 0.600 | 0.660 | https://doi.org/10.1021/a cs.chemmater.6b00131 |
| 192. | P3HT | SF-OR | 4.660 | 7.300 | 0.629 | 0.965 | https://doi.org/10.1021/a cs.chemmater.6b03323 |
| 193. | P3HT | SF-ORCN | 4.480 | 7.580 | 0.633 | 0.912 | https://doi.org/10.1021/a cs.chemmater.6b03323 |
| 194. | PBTA-BO | IffBR | 6.340 | 11.770 | 0.523 | 1.013 | https://doi.org/10.1021/a cs.chemmater.7b02228 |
| 195. | PTB7-Th | IHIC-N | 6.910 | 13.500 | 0.606 | 0.846 | https://doi.org/10.1021/a cs.chemmater.7b04499 |
| 196. | PTB7-Th | IHIC | 10.600 | 19.400 | 0.725 | 0.752 | https://doi.org/10.1021/a cs.chemmater.7b04499 |
| 197. | PBDB-T | NCIC | 7.310 | 12.690 | 0.576 | 1.000 | https://doi.org/10.1021/a cs.chemmater.8b01089 |
| 198. | PBDB-T | NCFIC | 7.520 | 15.190 | 0.563 | 0.880 | https://doi.org/10.1021/a cs.chemmater.8b01089 |
| 199. | PBDB-T | SN6IC | 9.600 | 16.500 | 0.660 | 0.880 | https://doi.org/10.1021/a cs.chemmater.8b02276 |
| 200. | PBDB-T | SN6IC-4F | 13.200 | 23.200 | 0.730 | 0.780 | https://doi.org/10.1021/a cs.chemmater.8b02276 |

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| 201. | PBDB-T | PTIC | 7.660 | 14.200 | 0.640 | 0.840 | https://doi.org/10.1002/cssc.201701917 |
| 202. | P3HT | BTA21 | 3.280 | 5.450 | 0.590 | 1.020 | https://doi.org/10.1002/cco.201700792 |
| 203. | P3HT | BTA27 | 0.200 | 1.070 | 0.400 | 0.470 | https://doi.org/10.1002/cco.201700792 |
| 204. | PBDB-T | SiIDT-IC | 8.160 | 13.530 | 0.656 | 0.920 | https://doi.org/10.1002/cco.201700809 |
| 205. | PBDB-T | IDIC | 8.830 | 16.690 | 0.654 | 0.810 | https://doi.org/10.1002/cco.201700809 |
| 206. | PTB7-Th | IEIC | 6.310 | 13.550 | 0.480 | 0.970 | https://doi.org/10.1039/C4EE03424D |
| 207. | J51 | IDSe-T-IC | 8.580 | 15.200 | 0.620 | 0.910 | https://doi.org/10.1039/C6EE00315J |
| 208. | PB3T | IT-M | 11.900 | 18.900 | 0.630 | 1.000 | https://doi.org/10.1039/C6EE03489F |
| 209. | J61 | BT-IC | 9.560 | 16.350 | 0.671 | 0.870 | https://doi.org/10.1039/C7EE00844A |
| 210. | J71 | BT-IC | 10.460 | 17.750 | 0.657 | 0.900 | https://doi.org/10.1039/C7EE00844A |
| 211. | PBDB-T | IDT6CN-M | 11.020 | 16.000 | 0.753 | 0.915 | https://doi.org/10.1039/C8EE00215K |
| 212. | PBDB-T | ITCPTC | 10.510 | 17.440 | 0.721 | 0.836 | https://doi.org/10.1039/C8EE00215K |
| 213. | PBDB-T | INPIC-4F | 12.550 | 20.810 | 0.709 | 0.850 | https://doi.org/10.1039/C8EE01107A |
| 214. | PBDB-T | MeIC1 | 11.530 | 17.530 | 0.731 | 0.900 | https://doi.org/10.1039/C8EE01107A |
| 215. | P3HT | FBR | 4.110 | 7.950 | 0.630 | 0.820 | https://doi.org/10.1021/ja5110602 |
| 216. | J52 | ITIC | 5.510 | 13.110 | 0.578 | 0.730 | https://doi.org/10.1021/jacs.6b01744 |
| 217. | J60 | ITIC | 8.970 | 16.330 | 0.604 | 0.910 | https://doi.org/10.1021/jacs.6b01744 |
| 218. | J61 | ITIC | 9.530 | 17.430 | 0.615 | 0.890 | https://doi.org/10.1021/jacs.6b01744 |

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| 219. | J61 | ITIC | 10.570 | 17.970 | 0.655 | 0.898 | https://doi.org/10.1021/jacs.6b09110 |
| 220. | J61 | m-ITIC | 11.770 | 18.310 | 0.706 | 0.912 | https://doi.org/10.1021/jacs.6b09110 |
| 221. | PTB7-Th | ATT-1 | 10.070 | 16.480 | 0.700 | 0.870 | https://doi.org/10.1021/jacs.6b08523 |
| 222. | PBDB-T | NFBDT | 10.150 | 17.850 | 0.672 | 0.868 | https://doi.org/10.1021/jacs.7b01170 |
| 223. | PvBDTTAZ | O-IDTBR | 11.600 | 16.260 | 0.636 | 1.080 | https://doi.org/10.1021/jacs.7b01606 |
| 224. | PTB7-Th | BT-IC | 8.300 | 17.500 | 0.596 | 0.810 | https://doi.org/10.1021/jacs.7b11278 |
| 225. | PTB7-Th | BT-CIC | 11.200 | 22.500 | 0.710 | 0.700 | https://doi.org/10.1021/jacs.7b11278 |
| 226. | P1 | IT-4F | 11.500 | 20.050 | 0.640 | 0.896 | https://doi.org/10.1021/jacs.8b02695 |
| 227. | P1 | IT-4F | 14.200 | 20.730 | 0.760 | 0.900 | https://doi.org/10.1021/jacs.8b02695 |
| 228. | P1 | IT-4F | 11.200 | 20.310 | 0.610 | 0.904 | https://doi.org/10.1021/jacs.8b02695 |
| 229. | PBDTTT-C-T | DC-IDT2T | 3.930 | 8.330 | 0.523 | 0.900 | https://doi.org/10.1039/C4TA06004K |
| 230. | PBDTTT-C-T | IDT-2BM | 4.260 | 10.100 | 0.551 | 0.766 | https://doi.org/10.1039/C5TA05901A |
| 231. | PBDTTT-C-T | IDTT-2BM | 4.810 | 9.870 | 0.572 | 0.851 | https://doi.org/10.1039/C5TA05901A |
| 232. | P | DPP7 | 4.860 | 10.560 | 0.490 | 0.940 | https://doi.org/10.1039/C6TA09607G |
| 233. | P | DPP8 | 7.190 | 13.780 | 0.580 | 0.900 | https://doi.org/10.1039/C6TA09607G |
| 234. | PTB7-Th | DTCC-IC | 6.000 | 11.230 | 0.560 | 0.950 | https://doi.org/10.1039/C7TA01143A |
| 235. | PBDB-T | FTIC-C8C6 | 10.450 | 16.690 | 0.677 | 0.920 | https://doi.org/10.1039/C7TA02141K |
| 236. | PBDB-T | FTIC-C6C6 | 9.750 | 16.840 | 0.634 | 0.910 | https://doi.org/10.1039/C7TA02141K |

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| 237. | PBDB-T | FTIC-C6C8 | 11.120 | 18.550 | 0.647 | 0.930 | https://doi.org/10.1039/C7TA02141K |
| 238. | PSBZ | ITIC | 10.500 | 19.000 | 0.620 | 0.890 | https://doi.org/10.1039/C7TA02075A |
| 239. | PBDB-T1 | ITIC | 9.050 | 16.110 | 0.640 | 0.870 | https://doi.org/10.1039/C7TA01554B |
| 240. | PBDB-T1 | ITTIC | 9.120 | 15.930 | 0.620 | 0.920 | https://doi.org/10.1039/C7TA01554B |
| 241. | P1 | PY-1 | 4.890 | 10.530 | 0.560 | 0.830 | https://doi.org/10.1039/C7TA04703G |
| 242. | P1 | DCI-2 | 6.940 | 13.770 | 0.630 | 0.800 | https://doi.org/10.1039/C7TA04703G |
| 243. | P3HT | ATT-3 | 6.260 | 10.930 | 0.620 | 0.927 | https://doi.org/10.1039/C7TA05108E |
| 244. | PBDB-T | NTIC | 8.630 | 13.550 | 0.681 | 0.935 | https://doi.org/10.1039/C7TA05809H |
| 245. | PBDB-T | NTIC-Me | 8.300 | 13.030 | 0.662 | 0.963 | https://doi.org/10.1039/C7TA05809H |
| 246. | PBDB-T | NTIC-Ome | 8.610 | 13.520 | 0.660 | 0.965 | https://doi.org/10.1039/C7TA05809H |
| 247. | PBDB-T | NTIC-F | 8.100 | 15.040 | 0.663 | 0.812 | https://doi.org/10.1039/C7TA05809H |
| 248. | PBDB-T | ITIC | 9.700 | 16.000 | 0.580 | 1.040 | https://doi.org/10.1039/C7TA07785H |
| 249. | FTAZ | ITIC | 8.370 | 16.250 | 0.565 | 0.911 | https://doi.org/10.1039/C7TA07882J |
| 250. | HTAZ | ITIC | 4.260 | 12.540 | 0.399 | 0.851 | https://doi.org/10.1039/C7TA07882J |
| 251. | PBDB-T | ITIC | 8.500 | 14.800 | 0.670 | 0.850 | https://doi.org/10.1039/C7TA10136H |
| 252. | PBDB-T | ITIC-OE | 10.400 | 16.500 | 0.710 | 0.890 | https://doi.org/10.1039/C7TA10136H |
| 253. | PTB7-Th | ITCT | 10.420 | 15.130 | 0.720 | 0.950 | https://doi.org/10.1039/C7TA10391C |
| 254. | 2D-PBTCl | ITIC | 8.810 | 15.790 | 0.613 | 0.910 | https://doi.org/10.1039/C7TA09837E |

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| 255. | 2D-PBTC12 | ITIC | 7.380 | 14.520 | 0.584 | 0.870 | https://doi.org/10.1039/C7TA09837E |
| 256. | PTB7-Th | ITIC | 6.910 | 14.760 | 0.571 | 0.820 | https://doi.org/10.1039/C7TA09837E |
| 257. | TTFQx-T1 | ITIC | 10.520 | 16.880 | 0.692 | 0.900 | https://doi.org/10.1039/C7TA10262C |
| 258. | TTFQx-T2 | ITIC | 7.220 | 13.750 | 0.561 | 0.940 | https://doi.org/10.1039/C7TA10262C |
| 259. | PTB7-Th | NFDTS | 6.150 | 18.770 | 0.489 | 0.665 | https://doi.org/10.1039/C7TA10957A |
| 260. | PTB7-Th | NFDTSB | 9.600 | 20.140 | 0.633 | 0.744 | https://doi.org/10.1039/C7TA10957A |
| 261. | PBDB-T | IT-M | 11.740 | 17.020 | 0.720 | 0.950 | https://doi.org/10.1039/C8TA00368H |
| 262. | PBDB-T-BO | IT-M | 10.780 | 15.680 | 0.700 | 0.970 | https://doi.org/10.1039/C8TA00368H |
| 263. | PBDB-BzT | IT-M | 12.100 | 17.630 | 0.690 | 0.960 | https://doi.org/10.1039/C8TA00368H |
| 264. | J71 | m-MeIC | 12.080 | 18.450 | 0.692 | 0.919 | https://doi.org/10.1039/C7TA11339K |
| 265. | PBDB-T | m-MeIC | 10.930 | 18.160 | 0.697 | 0.843 | https://doi.org/10.1039/C7TA11339K |
| 266. | PTB7-Th | m-MeIC | 8.340 | 16.520 | 0.617 | 0.796 | https://doi.org/10.1039/C7TA11339K |
| 267. | PBDB-T | IDT2Se | 9.360 | 17.310 | 0.598 | 0.880 | https://doi.org/10.1039/C8TA00783G |
| 268. | PBDB-T | IDT2Se-4F | 11.190 | 21.350 | 0.654 | 0.790 | https://doi.org/10.1039/C8TA00783G |
| 269. | PTB7-Th | D5T6F-M | 4.500 | 8.700 | 0.469 | 1.050 | https://doi.org/10.1039/C8TA02781A |
| 270. | PBDB-TF | HF-PCIC | 11.490 | 17.810 | 0.708 | 0.910 | https://doi.org/10.1039/C8TA03753A |
| 271. | PBDB-TF | HFO-PCIC | 8.360 | 12.620 | 0.710 | 0.930 | https://doi.org/10.1039/C8TA03753A |
| 272. | PBDB-TF | OFcPCIC | 9.090 | 13.760 | 0.734 | 0.910 | https://doi.org/10.1039/C8TA03753A |

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| 273. | PTB7-Th | PhITBD | 6.570 | 14.070 | 0.620 | 0.767 | https://doi.org/10.1039/C7TC00706J |
| 274. | P1 | ITIC | 7.140 | 14.110 | 0.634 | 0.780 | https://doi.org/10.1039/C7TC02098H |
| 275. | P2 | ITIC | 4.170 | 9.340 | 0.529 | 0.800 | https://doi.org/10.1039/C7TC02098H |
| 276. | P3 | ITIC | 3.660 | 7.580 | 0.569 | 0.830 | https://doi.org/10.1039/C7TC02098H |
| 277. | PBDTTz-BP | ITIC | 8.030 | 17.700 | 0.560 | 0.810 | https://doi.org/10.1039/C7TC04750A |
| 278. | PBDTTz-N | ITIC | 6.610 | 18.000 | 0.490 | 0.750 | https://doi.org/10.1039/C7TC04750A |
| 279. | PffBT4T-2OD | BAF-2HDT | 7.130 | 14.640 | 0.640 | 0.770 | https://doi.org/10.1021/a cs.jpcc.6b07778 |
| 280. | PB1 | ITIC | 9.560 | 16.100 | 0.655 | 0.907 | https://doi.org/10.1021/a cs.jpcc.6b11848 |
| 281. | PB1-S | ITIC | 10.490 | 17.840 | 0.625 | 0.941 | https://doi.org/10.1021/a cs.jpcc.6b11848 |
| 282. | PB2 | ITIC | 3.720 | 12.410 | 0.478 | 0.628 | https://doi.org/10.1021/a cs.jpcc.6b11848 |
| 283. | PB2-S | ITIC | 5.350 | 14.610 | 0.501 | 0.730 | https://doi.org/10.1021/a cs.jpcc.6b11848 |
| 284. | PB3 | ITIC | 6.610 | 13.470 | 0.598 | 0.822 | https://doi.org/10.1021/a cs.jpcc.6b11848 |
| 285. | PB3-S | ITIC | 8.280 | 16.930 | 0.560 | 0.873 | https://doi.org/10.1021/a cs.jpcc.6b11848 |
| 286. | PBDTT-TVT | ITIC | 5.620 | 11.200 | 0.650 | 0.780 | https://doi.org/10.1021/a cs.jpcc.8b05184 |
| 287. | PBDTT-FTVT | ITIC | 6.500 | 12.200 | 0.600 | 0.880 | https://doi.org/10.1021/a cs.jpcc.8b05184 |
| 288. | P3HT | IDTIDT-IC | 3.580 | 6.600 | 0.651 | 0.830 | https://doi.org/10.1016/j.powsour.2017.08.061 |
| 289. | PBDTBDD | IEICO | 4.310 | 10.160 | 0.522 | 0.880 | https://doi.org/10.1002/m arc.201700492 |

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|------|----------|------------|--------|--------|-------|-------|---|
| 290. | PDRCNBDT | ITIC | 5.300 | 11.510 | 0.452 | 1.015 | https://doi.org/10.1002/marc.201700706 |
| 291. | PTPDBDT | H-ITIC | 6.400 | 10.600 | 0.580 | 1.040 | https://doi.org/10.1039/C7QM00025A |
| 292. | PTPDBDT | F-ITIC | 8.800 | 14.100 | 0.660 | 0.940 | https://doi.org/10.1039/C7QM00025A |
| 293. | PTPDBDT | Cl-ITIC | 9.500 | 15.600 | 0.650 | 0.940 | https://doi.org/10.1039/C7QM00025A |
| 294. | PTPDBDT | Br-ITIC | 9.400 | 15.400 | 0.660 | 0.930 | https://doi.org/10.1039/C7QM00025A |
| 295. | PTPDBDT | I-ITIC | 8.900 | 14.500 | 0.650 | 0.950 | https://doi.org/10.1039/C7QM00025A |
| 296. | P3HT | H1 | 5.420 | 7.740 | 0.600 | 1.170 | https://doi.org/10.1039/C7QM00084G |
| 297. | FTAZ | COi6IC | 8.430 | 17.450 | 0.590 | 0.820 | https://doi.org/10.1039/C8QM00004B |
| 298. | FTAZ | COi6FIC | 9.120 | 19.270 | 0.626 | 0.750 | https://doi.org/10.1039/C8QM00004B |
| 299. | FTAZ | COi6DFIC | 8.250 | 20.390 | 0.589 | 0.670 | https://doi.org/10.1039/C8QM00004B |
| 300. | FTAZ | NNFA[0,6] | 9.520 | 19.830 | 0.570 | 0.840 | https://doi.org/10.1039/C8QM00238J |
| 301. | FTAZ | NNFA[6,3] | 7.560 | 14.720 | 0.591 | 0.870 | https://doi.org/10.1039/C8QM00238J |
| 302. | FTAZ | NNFA[6,6] | 10.560 | 19.860 | 0.613 | 0.870 | https://doi.org/10.1039/C8QM00238J |
| 303. | FTAZ | NNFA[12,3] | 10.810 | 19.330 | 0.647 | 0.860 | https://doi.org/10.1039/C8QM00238J |
| 304. | FTAZ | NNFA[12,6] | 9.540 | 18.850 | 0.587 | 0.860 | https://doi.org/10.1039/C8QM00238J |
| 305. | PBPD-Th | ITIC | 10.800 | 18.100 | 0.590 | 1.010 | https://doi.org/10.1016/j.nanoen.2017.07.047 |
| 306. | PBDB-T | DTDP-IC | 8.880 | 17.080 | 0.692 | 0.750 | https://doi.org/10.1016/j.nanoen.2017.12.030 |

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|------|------------|----------|--------|--------|-------|-------|---|
| 307. | PBDB-T | DTDP-MIC | 9.390 | 16.820 | 0.700 | 0.800 | https://doi.org/10.1016/j.nanoen.2017.12.030 |
| 308. | P3HT | O-IDTBR | 6.300 | 13.900 | 0.600 | 0.720 | https://doi.org/10.1038/ncomms11585 |
| 309. | P3HT | EH-IDTBR | 6.000 | 12.100 | 0.620 | 0.760 | https://doi.org/10.1038/ncomms11585 |
| 310. | PTFB-P | ITIC | 7.850 | 12.800 | 0.650 | 0.920 | https://doi.org/10.1038/ncomms13094 |
| 311. | PTFB-O | ITIC | 10.130 | 15.500 | 0.700 | 0.920 | https://doi.org/10.1038/ncomms13094 |
| 312. | PTFB-O | ITIC-Th | 10.880 | 17.100 | 0.670 | 0.920 | https://doi.org/10.1038/ncomms13094 |
| 313. | J71 | ITIC | 11.410 | 17.320 | 0.698 | 0.940 | https://doi.org/10.1038/ncomms13651 |
| 314. | PBDTTT-EFT | EHIDTBR | 12.000 | 18.500 | 0.630 | 1.030 | https://doi.org/10.1038/s41467-018-04502-3 |
| 315. | Ph00 | ITIC | 7.420 | 15.920 | 0.548 | 0.850 | https://doi.org/10.1016/j.orgel.2018.03.005 |
| 316. | Ph100 | ITIC | 7.620 | 15.230 | 0.556 | 0.900 | https://doi.org/10.1016/j.orgel.2018.03.005 |
| 317. | J71 | IDTNTC | 8.520 | 14.160 | 0.638 | 0.942 | https://doi.org/10.1016/j.orgel.2018.07.018 |
| 318. | PDPP3T | ITIC | 1.900 | 4.200 | 0.590 | 0.780 | https://doi.org/10.1039/C7CP00494J |
| 319. | PDPP4T | ITIC | 3.900 | 8.000 | 0.630 | 0.780 | https://doi.org/10.1039/C7CP00494J |
| 320. | PDPP5T | ITIC | 4.100 | 9.600 | 0.610 | 0.690 | https://doi.org/10.1039/C7CP00494J |
| 321. | PDPP6T | ITIC | 3.800 | 9.300 | 0.600 | 0.680 | https://doi.org/10.1039/C7CP00494J |
| 322. | J40 | ITIC | 6.480 | 12.180 | 0.601 | 0.890 | https://doi.org/10.1007/s11426-016-0173-y |
| 323. | J61-F | ITIC | 8.240 | 13.120 | 0.661 | 0.950 | https://doi.org/10.1007/s11426-017-9030-9 |

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|------|------------|------------|--------|--------|-------|-------|---|
| 324. | PBTIBDTT-S | ITIC-F | 5.860 | 9.780 | 0.611 | 0.980 | https://doi.org/10.1002/sml.201704491 |
| 325. | PBTIBDTT-S | ITIC-F | 9.120 | 14.400 | 0.657 | 0.960 | https://doi.org/10.1002/sml.201704491 |
| 326. | PBTIBDTT-S | ITIC-F | 9.650 | 15.120 | 0.679 | 0.940 | https://doi.org/10.1002/sml.201704491 |
| 327. | PBTIBDTT-S | ITIC-F | 10.550 | 16.330 | 0.687 | 0.940 | https://doi.org/10.1002/sml.201704491 |
| 328. | PBDB-T | IDT-4CN | 8.130 | 14.660 | 0.609 | 0.910 | https://doi.org/10.1002/smtd.201700330 |
| 329. | PTB7-Th | TIDT-BT-R2 | 8.700 | 13.100 | 0.639 | 1.040 | https://doi.org/10.1002/smtd.201700373 |
| 330. | PTB7-Th | TIDT-BT-R6 | 5.600 | 10.300 | 0.523 | 1.030 | https://doi.org/10.1002/smtd.201700373 |
| 331. | PT5T | ITIC-Th | 0.370 | 1.390 | 0.327 | 0.813 | https://doi.org/10.1002/smtd.201700415 |
| 332. | PT5T-2F | ITIC-Th | 9.690 | 16.640 | 0.708 | 0.822 | https://doi.org/10.1002/smtd.201700415 |
| 333. | PJ1 | m-ITIC | 6.410 | 11.100 | 0.560 | 1.031 | https://doi.org/10.1039/C8EE01546E |
| 334. | PJ1 | IDIC | 6.180 | 12.000 | 0.536 | 0.958 | https://doi.org/10.1039/C8EE01546E |
| 335. | PJ2 | m-ITIC | 10.340 | 16.800 | 0.623 | 0.988 | https://doi.org/10.1039/C8EE01546E |
| 336. | PJ2 | IDIC | 12.010 | 17.000 | 0.753 | 0.939 | https://doi.org/10.1039/C8EE01546E |
| 337. | PJ2 | AIDIC | 5.560 | 11.400 | 0.509 | 0.958 | https://doi.org/10.1039/C8EE01546E |
| 338. | PJ3 | m-ITIC | 7.760 | 12.700 | 0.635 | 0.960 | https://doi.org/10.1039/C8EE01546E |
| 339. | PJ3 | IDIC | 8.110 | 12.800 | 0.698 | 0.908 | https://doi.org/10.1039/C8EE01546E |
| 340. | PBDB-T | ITBTR-C2 | 7.040 | 13.380 | 0.584 | 0.890 | https://doi.org/10.1021/acs.chem.8b00851 |

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|------|-------------|----------|--------|--------|-------|-------|---|
| 341. | PBDB-T | ITBTR-C4 | 7.430 | 14.750 | 0.542 | 0.900 | https://doi.org/10.1021/a CSAEM.8B00851 |
| 342. | PBDB-T | ITBTR-C6 | 8.260 | 15.720 | 0.578 | 0.890 | https://doi.org/10.1021/a CSAEM.8B00851 |
| 343. | PBDB-T | ITBTR-C8 | 7.930 | 14.740 | 0.585 | 0.900 | https://doi.org/10.1021/a CSAEM.8B00851 |
| 344. | PBDB-T | ITBTR-C8 | 9.290 | 16.130 | 0.636 | 0.880 | https://doi.org/10.1021/a CSAEM.8B00851 |
| 345. | PTB7-Th | FBRCN | 3.300 | 7.800 | 0.310 | 0.998 | https://doi.org/10.1021/a CSAEM.8B01433 |
| 346. | PBT1Cl-Bz | IT-4F | 7.600 | 16.850 | 0.635 | 0.710 | https://doi.org/10.1021/a CSAEM.8B01447 |
| 347. | PBT2Clas-Bz | IT-4F | 4.430 | 13.430 | 0.418 | 0.790 | https://doi.org/10.1021/a CSAEM.8B01447 |
| 348. | PBT2Cls-Bz | IT-4F | 7.800 | 15.550 | 0.652 | 0.770 | https://doi.org/10.1021/a CSAEM.8B01447 |
| 349. | PBT2Cls -Bz | IT-4F | 9.250 | 16.420 | 0.587 | 0.960 | https://doi.org/10.1021/a CSAEM.8B01447 |
| 350. | FTAZ | ITBC | 4.170 | 11.890 | 0.490 | 0.716 | https://doi.org/10.1021/a CSAEM.8B01576 |
| 351. | PBDB-T | ITIC | 8.370 | 15.060 | 0.616 | 0.900 | https://doi.org/10.1021/a CSAEM.8B01320 |
| 352. | PTB7-Th | ITIC | 7.730 | 15.600 | 0.609 | 0.810 | https://doi.org/10.1021/a CSAEM.9B00611 |
| 353. | PBDB-T | ITIC | 10.640 | 18.330 | 0.671 | 0.860 | https://doi.org/10.1021/a CSAEM.9B00611 |
| 354. | P12 | ITIC | 8.270 | 13.080 | 0.672 | 0.940 | https://doi.org/10.1021/a CSAEM.9B00365 |
| 355. | P19 | ITIC | 10.020 | 15.160 | 0.701 | 0.943 | https://doi.org/10.1021/a CSAEM.9B00365 |
| 356. | P32 | ITIC | 5.520 | 11.430 | 0.511 | 0.946 | https://doi.org/10.1021/a CSAEM.9B00365 |

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|------|------------|----------|--------|--------|-------|-------|---|
| 357. | P3HT | BT3 | 2.550 | 5.810 | 0.610 | 0.720 | https://doi.org/10.1021/a csami.8b103 12 |
| 358. | P3HT | BTA3 | 5.670 | 9.860 | 0.650 | 0.900 | https://doi.org/10.1021/a csami.8b103 12 |
| 359. | PBDB-TF | HF-PCIC | 10.900 | 17.240 | 0.710 | 0.890 | https://doi.org/10.1021/a csami.8b161 31 |
| 360. | PBDB-TF | HC-PCIC | 11.480 | 17.540 | 0.727 | 0.880 | https://doi.org/10.1021/a csami.8b161 31 |
| 361. | PBDTTz-SBP | ITIC | 12.090 | 18.520 | 0.714 | 0.914 | https://doi.org/10.1021/a csami.8b165 54 |
| 362. | PBDB-T | IT-M | 11.150 | 16.590 | 0.675 | 0.952 | https://doi.org/10.1021/a csami.8b172 46 |
| 363. | PT1 | ITIC | 2.130 | 5.780 | 0.390 | 0.950 | https://doi.org/10.1021/a csami.8b166 28 |
| 364. | PT2 | ITIC | 9.010 | 16.330 | 0.640 | 0.840 | https://doi.org/10.1021/a csami.8b166 28 |
| 365. | PT3 | ITIC | 9.220 | 15.520 | 0.680 | 0.880 | https://doi.org/10.1021/a csami.8b166 28 |
| 366. | PBDB-T | IDT-OB | 10.120 | 15.910 | 0.700 | 0.880 | https://doi.org/10.1021/a csami.8b195 96 |
| 367. | PBDB-T | IDTT-OB | 11.190 | 16.410 | 0.740 | 0.910 | https://doi.org/10.1021/a csami.8b195 96 |
| 368. | PDTP-FBTA | IT-M | 8.380 | 16.190 | 0.681 | 0.760 | https://doi.org/10.1021/a csami.8b184 93 |
| 369. | PDTP-FBTA | IT-M | 10.510 | 17.150 | 0.753 | 0.810 | https://doi.org/10.1021/a csami.8b184 93 |
| 370. | PFBTBOX | ITIC-4F | 10.200 | 15.110 | 0.630 | 1.010 | https://doi.org/10.1021/a csami.8b202 76 |
| 371. | PBDB-T | CPDT-4Cl | 9.280 | 21.300 | 0.668 | 0.650 | https://doi.org/10.1021/a csami.8b205 67 |
| 372. | PBDB-T | CPDT-4F | 9.470 | 20.100 | 0.696 | 0.680 | https://doi.org/10.1021/a csami.8b205 67 |

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|------|----------------------|----------|--------|--------|-------|-------|---|
| 373. | P[DTffBT-TbT(5)]-2OD | ITIC | 6.800 | 14.200 | 0.487 | 0.985 | https://doi.org/10.1021/a csami.8b19449 |
| 374. | P[DTffBT-TbT(5)]-2OD | IDIC | 8.500 | 17.500 | 0.537 | 0.899 | https://doi.org/10.1021/a csami.8b19449 |
| 375. | P[DTffBT-TbT(6)]-2OD | ITIC | 6.900 | 13.000 | 0.592 | 0.899 | https://doi.org/10.1021/a csami.8b19449 |
| 376. | P[DTffBT-TbT(6)]-2OD | IDIC | 6.800 | 12.900 | 0.682 | 0.778 | https://doi.org/10.1021/a csami.8b19449 |
| 377. | PTB7-Th | ITIC | 8.730 | 15.930 | 0.670 | 0.810 | https://doi.org/10.1021/a csami.9b03298 |
| 378. | PTB7-Th | EH-IDTBR | 9.450 | 15.810 | 0.600 | 1.000 | https://doi.org/10.1021/a csami.9b03298 |
| 379. | PTB7-Th | IEICO-4F | 11.880 | 26.360 | 0.620 | 0.720 | https://doi.org/10.1021/a csami.9b03298 |
| 380. | J52 | IEICO | 5.130 | 11.390 | 0.517 | 0.872 | https://doi.org/10.1021/a csami.9b03499 |
| 381. | J52 | i-IEICO | 10.480 | 18.760 | 0.582 | 0.960 | https://doi.org/10.1021/a csami.9b03499 |
| 382. | PBDB-T | IEICO | 3.380 | 7.160 | 0.528 | 0.894 | https://doi.org/10.1021/a csami.9b03499 |
| 383. | PBDB-T | i-IEICO | 8.790 | 14.670 | 0.596 | 1.006 | https://doi.org/10.1021/a csami.9b03499 |
| 384. | TP | ITIC | 8.180 | 15.310 | 0.600 | 0.890 | https://doi.org/10.1021/a csaem.9b00520 |
| 385. | TP | IEICO-4F | 8.730 | 21.440 | 0.550 | 0.740 | https://doi.org/10.1021/a csaem.9b00520 |
| 386. | PTB7-Th | IEICO-4F | 10.200 | 21.300 | 0.680 | 0.710 | https://doi.org/10.1021/a csenergylett.8b01448 |
| 387. | PM6 | SeTIC | 7.460 | 15.450 | 0.510 | 0.950 | https://doi.org/10.1021/a csenergylett.8b01808 |
| 388. | PM6 | SeTIC4Cl | 13.320 | 22.920 | 0.750 | 0.780 | https://doi.org/10.1021/a csenergylett.8b01808 |

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|------|--------------|----------|--------|--------|-------|-------|---|
| 389. | PBDB-T | IPIC | 3.980 | 7.160 | 0.586 | 0.950 | https://doi.org/10.1021/a csenergylett. 9b00147 |
| 390. | PBDB-T | IPIC-4F | 11.100 | 19.800 | 0.671 | 0.835 | https://doi.org/10.1021/a csenergylett. 9b00147 |
| 391. | PBDB-T | IPIC-4CI | 13.400 | 22.200 | 0.740 | 0.813 | https://doi.org/10.1021/a csenergylett. 9b00147 |
| 392. | PTB7-Th | FOIC | 11.900 | 22.500 | 0.703 | 0.740 | https://doi.org/10.1021/a csenergylett. 9b00681 |
| 393. | PTB7-Th | CTIC-4F | 10.500 | 23.400 | 0.640 | 0.700 | https://doi.org/10.1021/a csenergylett. 9b00721 |
| 394. | PTB7-Th | CO1-4F | 10.200 | 24.800 | 0.640 | 0.640 | https://doi.org/10.1021/a csenergylett. 9b00721 |
| 395. | PTB7-Th | COTIC-4F | 7.300 | 20.700 | 0.610 | 0.570 | https://doi.org/10.1021/a csenergylett. 9b00721 |
| 396. | PBDB-T | O-IDTBR | 8.090 | 13.640 | 0.587 | 1.010 | https://doi.org/10.1021/a csomega.8b 01925 |
| 397. | PfBTAZT-BDT | ITIC | 6.040 | 14.200 | 0.575 | 0.740 | https://doi.org/10.1021/a csomega.8b 02053 |
| 398. | PfBTAZT-fBDT | ITIC | 6.590 | 13.940 | 0.618 | 0.770 | https://doi.org/10.1021/a csomega.8b 02053 |
| 399. | PE61 | Y6 | 8.610 | 23.410 | 0.553 | 0.660 | https://doi.org/10.1021/a csmacrolett. 9b00368 |
| 400. | PE62 | Y6 | 12.020 | 24.640 | 0.622 | 0.780 | https://doi.org/10.1021/a csmacrolett. 9b00368 |
| 401. | PE63 | Y6 | 13.100 | 24.680 | 0.637 | 0.830 | https://doi.org/10.1021/a csmacrolett. 9b00368 |
| 402. | PBDB-T | ITCT-DM | 10.560 | 17.400 | 0.650 | 0.904 | https://doi.org/10.1002/a enm.201800 204 |
| 403. | PTB7-Th | IEICS-4F | 7.500 | 16.970 | 0.580 | 0.720 | https://doi.org/10.1002/a enm.201800 529 |
| 404. | PTB7-Th | COi8DFIC | 11.470 | 23.450 | 0.689 | 0.710 | https://doi.org/10.1002/a enm.201801 968 |

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|------|-----------|------------|--------|--------|-------|-------|---|
| 405. | PTB7-Th | BDTThIT-4F | 9.250 | 17.520 | 0.708 | 0.746 | https://doi.org/10.1002/aenm.201801968 |
| 406. | PBDB-TF | ITIC | 10.300 | 15.600 | 0.660 | 1.010 | https://doi.org/10.1002/aenm.201802131 |
| 407. | PBDB-TF | ITEN | 10.900 | 16.500 | 0.670 | 0.989 | https://doi.org/10.1002/aenm.201802131 |
| 408. | PBDB-TF | ITPN | 12.600 | 17.500 | 0.730 | 0.986 | https://doi.org/10.1002/aenm.201802131 |
| 409. | PBDB-T-2F | TfIF-IC | 5.900 | 10.800 | 0.540 | 1.010 | https://doi.org/10.1002/aenm.201803657 |
| 410. | PBDB-T-2F | TfIF-4FIC | 13.100 | 17.600 | 0.760 | 0.980 | https://doi.org/10.1002/aenm.201803657 |
| 411. | PTBB-o | ITCPTC | 3.090 | 8.430 | 0.366 | 1.000 | https://doi.org/10.1002/aenm.201802686 |
| 412. | PTBB-m | ITCPTC | 12.220 | 18.110 | 0.702 | 0.960 | https://doi.org/10.1002/aenm.201802686 |
| 413. | PTBB-p | ITCPTC | 9.360 | 15.760 | 0.652 | 0.910 | https://doi.org/10.1002/aenm.201802686 |
| 414. | P3HT | ERCN | 2.640 | 5.870 | 0.560 | 0.900 | https://doi.org/10.1002/aenm.201803012 |
| 415. | P3HT | ORCN | 6.400 | 11.500 | 0.623 | 0.870 | https://doi.org/10.1002/aenm.201803012 |
| 416. | J52 | IEICO-4F | 9.210 | 22.270 | 0.613 | 0.675 | https://doi.org/10.1002/aenm.201803438 |
| 417. | PBDB-T | AT-NC | 10.910 | 17.110 | 0.694 | 0.919 | https://doi.org/10.1002/aenm.201803541 |
| 418. | PBDB-TF | AT-4CI | 13.270 | 19.520 | 0.755 | 0.901 | https://doi.org/10.1002/aenm.201803541 |
| 419. | PTB7-Th | T2-ORH | 9.330 | 14.720 | 0.590 | 1.070 | https://doi.org/10.1002/aenm.201804021 |
| 420. | PM6 | ITCPTC | 12.300 | 17.600 | 0.734 | 0.950 | https://doi.org/10.1002/aenm.201900041 |

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|------|--------|-------------|--------|--------|-------|-------|---|
| 421. | PM6 | ITC-2C1 | 13.600 | 20.100 | 0.741 | 0.910 | https://doi.org/10.1002/aenm.201900041 |
| 422. | PBDB-T | m-ITIC-H | 8.540 | 15.090 | 0.670 | 0.850 | https://doi.org/10.1002/aenm.201900044 |
| 423. | PBDB-T | m-ITIC-O-H | 9.550 | 15.990 | 0.700 | 0.850 | https://doi.org/10.1002/aenm.201900044 |
| 424. | PBDB-T | m-ITIC-O-EH | 9.770 | 15.880 | 0.680 | 0.880 | https://doi.org/10.1002/aenm.201900044 |
| 425. | PBDB-T | DTN-IC-2Ph | 5.450 | 9.330 | 0.600 | 0.974 | https://doi.org/10.1002/aenm.201803976 |
| 426. | PBDB-T | DTA-IC-3Ph | 6.090 | 12.270 | 0.529 | 0.938 | https://doi.org/10.1002/aenm.201803976 |
| 427. | PBDB-T | DTP-IC-4Ph | 10.370 | 17.320 | 0.666 | 0.900 | https://doi.org/10.1002/aenm.201803976 |
| 428. | PBDB-T | IDTIC | 5.670 | 12.700 | 0.563 | 0.840 | https://doi.org/10.1002/afm.201802895 |
| 429. | PBDB-T | IDTTIC | 11.200 | 17.300 | 0.704 | 0.919 | https://doi.org/10.1002/afm.201802895 |
| 430. | PBDB-T | BTTIC | 13.180 | 19.520 | 0.747 | 0.904 | https://doi.org/10.1002/afm.201803128 |
| 431. | PBDB-T | BTOIC | 10.960 | 18.600 | 0.684 | 0.862 | https://doi.org/10.1002/afm.201803128 |
| 432. | PBDB-T | ITIC | 9.220 | 15.200 | 0.670 | 0.861 | https://doi.org/10.1002/afm.201805872 |
| 433. | PBDB-T | ITIF | 2.850 | 7.780 | 0.382 | 0.958 | https://doi.org/10.1002/afm.201805872 |
| 434. | PBDB-T | INPIC-4F | 13.100 | 21.800 | 0.732 | 0.820 | https://doi.org/10.1002/afm.201807662 |
| 435. | L24 | IT-4F | 1.330 | 7.410 | 0.363 | 0.741 | https://doi.org/10.1002/afm.201808828 |
| 436. | L68 | IT-4F | 9.300 | 19.500 | 0.632 | 0.758 | https://doi.org/10.1002/afm.201808828 |

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| 437. | L810 | IT-4F | 12.100 | 20.760 | 0.735 | 0.790 | https://doi.org/10.1002/afdm.201808828 |
| 438. | FTAZ | IDIC | 10.400 | 16.600 | 0.710 | 0.850 | https://doi.org/10.1002/adma.201801501 |
| 439. | PTB7-Th | T1 | 9.820 | 20.950 | 0.650 | 0.720 | https://doi.org/10.1002/adma.201803769 |
| 440. | PTB7-Th | T3 | 9.430 | 22.000 | 0.700 | 0.610 | https://doi.org/10.1002/adma.201803769 |
| 441. | PTB7-Th | T4 | 7.010 | 18.570 | 0.620 | 0.610 | https://doi.org/10.1002/adma.201803769 |
| 442. | PTB7-Th | T2 | 10.870 | 24.850 | 0.670 | 0.650 | https://doi.org/10.1002/adma.201803769 |
| 443. | PffBT2T-TT | O-IDTBR | 10.400 | 14.730 | 0.640 | 1.080 | https://doi.org/10.1002/adma.201804215 |
| 444. | J61 | Y5 | 11.000 | 21.100 | 0.583 | 0.900 | https://doi.org/10.1002/adma.201807577 |
| 445. | TTFQz-T1 | Y5 | 13.100 | 21.200 | 0.696 | 0.890 | https://doi.org/10.1002/adma.201807577 |
| 446. | PBDB-T | Y5 | 14.100 | 22.800 | 0.702 | 0.880 | https://doi.org/10.1002/adma.201807577 |
| 447. | FTAZ | IT-M | 11.800 | 17.200 | 0.679 | 0.960 | https://doi.org/10.1002/adma.201808279 |
| 448. | PBDB-T | IT-M | 7.200 | 13.500 | 0.528 | 0.940 | https://doi.org/10.1002/adma.201808279 |
| 449. | Pt-PSFTZ | Y6 | 13.030 | 25.100 | 0.649 | 0.800 | https://doi.org/10.1002/adma.201901872 |
| 450. | PBDB-T | HF-PCIC | 8.820 | 16.260 | 0.684 | 0.800 | https://doi.org/10.1002/advs.201800755 |
| 451. | PBDB-T | IEICO-4F | 6.640 | 19.430 | 0.446 | 0.740 | https://doi.org/10.1002/advs.201800755 |
| 452. | PBDB-T-2F | IT-4F | 12.300 | 21.610 | 0.692 | 0.830 | https://doi.org/10.1002/advs.201801180 |

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| 453. | PhI-ffBT | IT-4F | 13.310 | 19.410 | 0.760 | 0.910 | https://doi.org/10.1002/adv.201801743 |
| 454. | ffPhI-ffBT | IT-4F | 12.740 | 19.010 | 0.710 | 0.940 | https://doi.org/10.1002/adv.201801743 |
| 455. | PBBF11 | ITIC | 10.020 | 17.580 | 0.619 | 0.910 | https://doi.org/10.1002/adv.201802103 |
| 456. | PBDB-T | BTTFIC | 9.000 | 17.520 | 0.539 | 0.930 | https://doi.org/10.1002/as.201801669 |
| 457. | PTB7-Th | BTTFIC | 8.470 | 17.220 | 0.540 | 0.869 | https://doi.org/10.1002/as.201801669 |
| 458. | PTB7-Th | Py-1 | 6.030 | 12.090 | 0.650 | 0.740 | https://doi.org/10.1002/chem.201900296 |
| 459. | PTB7-Th | FPIC | 8.450 | 15.300 | 0.731 | 0.755 | https://doi.org/10.1021/acs.chemmater.8b04668 |
| 460. | PTB7-Th | F8IC | 9.550 | 23.300 | 0.634 | 0.645 | https://doi.org/10.1021/acs.chemmater.8b04668 |
| 461. | PBB-T | ITIC-F | 11.300 | 19.700 | 0.620 | 0.920 | https://doi.org/10.1021/acs.chemmater.8b04265 |
| 462. | PBDB-T | R10-4Cl | 10.700 | 18.900 | 0.666 | 0.850 | https://doi.org/10.1021/acs.chemmater.8b05047 |
| 463. | PBDB-T | R12-4Cl | 9.300 | 18.500 | 0.669 | 0.750 | https://doi.org/10.1021/acs.chemmater.8b05047 |
| 464. | J52 | BTA3 | 9.410 | 14.620 | 0.603 | 1.070 | https://doi.org/10.1021/acs.chemmater.8b05316 |
| 465. | J52-Cl | BTA3 | 10.500 | 13.160 | 0.666 | 1.240 | https://doi.org/10.1021/acs.chemmater.8b05316 |
| 466. | PBDB-T | IE4F-S | 13.720 | 22.880 | 0.691 | 0.868 | https://doi.org/10.1021/acs.chemmater.9b01175 |
| 467. | PTQ10 | IE4F-S | 12.200 | 19.670 | 0.623 | 0.996 | https://doi.org/10.1021/acs.chemmater.9b01175 |
| 468. | PBDTT-FTTE | ITIC-Th | 8.020 | 14.800 | 0.642 | 0.805 | https://doi.org/10.1021/acs.chemmater.9b01741 |

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| 469. | PBDTSe-FTTE | ITIC-Th | 7.420 | 15.600 | 0.594 | 0.785 | https://doi.org/10.1021/acs.chemmater.9b01741 |
| 470. | PBDTTS-FTTE | ITIC-Th | 5.950 | 12.100 | 0.534 | 0.860 | https://doi.org/10.1021/acs.chemmater.9b01741 |
| 471. | PBDTTF-FTTE | ITIC-Th | 7.900 | 13.100 | 0.571 | 0.995 | https://doi.org/10.1021/acs.chemmater.9b01741 |
| 472. | PBDB-T | ITIC | 10.820 | 16.640 | 0.712 | 0.900 | https://doi.org/10.1039/C8EE01564C |
| 473. | PBDB-T | IT-M | 11.710 | 17.170 | 0.715 | 0.940 | https://doi.org/10.1039/C8EE01564C |
| 474. | PM7 | ITC-2C1 | 13.720 | 20.270 | 0.739 | 0.915 | https://doi.org/10.1039/C9EE01030K |
| 475. | PM7 | IXIC-4C1 | 12.010 | 21.600 | 0.699 | 0.795 | https://doi.org/10.1039/C9EE01030K |
| 476. | PBN-S | IT-4F | 13.100 | 21.030 | 0.699 | 0.891 | https://doi.org/10.1039/C8EE03608J |
| 477. | PBDTS-TZNT | ITIC | 10.450 | 16.920 | 0.657 | 0.940 | https://doi.org/10.1016/j.isci.2018.12.027 |
| 478. | PBDTS-TZNT | IT-4F | 11.310 | 18.650 | 0.689 | 0.880 | https://doi.org/10.1016/j.isci.2018.12.027 |
| 479. | PBDTS-TZNT | ITIC | 12.160 | 17.580 | 0.706 | 0.980 | https://doi.org/10.1016/j.isci.2018.12.027 |
| 480. | PBDTS-TZNT | IT-4F | 13.250 | 19.230 | 0.741 | 0.930 | https://doi.org/10.1016/j.isci.2018.12.027 |
| 481. | PT4FB | IDIC | 9.810 | 13.720 | 0.710 | 0.970 | https://doi.org/10.1039/C8TA08769E |
| 482. | PTT4FB | IDIC | 10.600 | 16.240 | 0.670 | 0.960 | https://doi.org/10.1039/C8TA08769E |
| 483. | PTB7-Th | F8IC | 10.300 | 24.600 | 0.649 | 0.646 | https://doi.org/10.1039/C8TA09042D |
| 484. | PTB7-Th | IDT-2BR | 7.310 | 12.900 | 0.543 | 1.050 | https://doi.org/10.1039/C8TA09042D |
| 485. | J71 | TTz1 | 8.770 | 15.430 | 0.632 | 0.900 | https://doi.org/10.1039/C8TA09370A |

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| 486. | J71 | TTz2 | 6.300 | 12.750 | 0.537 | 0.920 | https://doi.org/10.1039/C8TA09370A |
| 487. | PTB7-Th | ACS8 | 13.200 | 25.300 | 0.693 | 0.750 | https://doi.org/10.1039/C8TA11484F |
| 488. | PTB7-Th | FOIC | 12.100 | 24.730 | 0.678 | 0.722 | https://doi.org/10.1039/C8TA11637G |
| 489. | PTB7-Th | m-IDTIDT-FIC | 8.270 | 15.680 | 0.663 | 0.800 | https://doi.org/10.1039/C8TA11972D |
| 490. | J71 | m-IDTIDT-FIC | 11.320 | 18.010 | 0.683 | 0.920 | https://doi.org/10.1039/C8TA11972D |
| 491. | PBDB-T | BTTIC-0M | 11.870 | 18.950 | 0.729 | 0.860 | https://doi.org/10.1039/C9TA00597H |
| 492. | PBDB-T | BTTIC-2M | 13.150 | 19.390 | 0.753 | 0.900 | https://doi.org/10.1039/C9TA00597H |
| 493. | PBDB-T | BTTIC-4M | 9.600 | 15.670 | 0.637 | 0.968 | https://doi.org/10.1039/C9TA00597H |
| 494. | PBDB-T | ITIC-m | 9.550 | 15.790 | 0.630 | 0.930 | https://doi.org/10.1039/C9TA00468H |
| 495. | PBDB-T | a-IT-2OM | 12.070 | 18.110 | 0.715 | 0.930 | https://doi.org/10.1039/C8TA12530A |
| 496. | PBDB-T | a-IT-2F | 10.280 | 19.060 | 0.688 | 0.780 | https://doi.org/10.1039/C8TA12530A |
| 497. | PBDB-T | ITIC | 9.530 | 17.240 | 0.633 | 0.870 | https://doi.org/10.1039/C8TA12530A |
| 498. | PBDB-T | DBTTC | 11.250 | 17.250 | 0.670 | 0.972 | https://doi.org/10.1039/C9TA02544H |
| 499. | PBDB-T | DBTIC | 9.660 | 15.480 | 0.622 | 1.004 | https://doi.org/10.1039/C9TA02544H |
| 500. | PBDB-T | DBTIC-2F | 6.810 | 15.160 | 0.563 | 0.799 | https://doi.org/10.1039/C9TA02544H |
| 501. | PBDB-T-SF | IDIC | 9.390 | 15.290 | 0.627 | 0.980 | https://doi.org/10.1039/C9TA01003C |
| 502. | PBDB-T-SF | ID4F | 10.350 | 17.420 | 0.725 | 0.820 | https://doi.org/10.1039/C9TA01003C |
| 503. | PBDB-T | ITBTC | 10.990 | 16.370 | 0.713 | 0.941 | https://doi.org/10.1039/C9TA01111K |

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| 504. | PBDB-T | ITIC | 9.530 | 16.130 | 0.658 | 0.897 | https://doi.org/10.1039/C9TA01111K |
| 505. | PTAZ-CH | ITIC | 11.350 | 18.200 | 0.700 | 0.890 | https://doi.org/10.1039/C9TA02384D |
| 506. | PTAZ-CH-S | ITIC | 12.150 | 17.610 | 0.732 | 0.940 | https://doi.org/10.1039/C9TA02384D |
| 507. | PM6 | BTT-MIC | 10.040 | 15.900 | 0.615 | 1.027 | https://doi.org/10.1039/C9TA01888C |
| 508. | PM6 | BTT-FIC | 12.650 | 18.540 | 0.716 | 0.953 | https://doi.org/10.1039/C9TA01888C |
| 509. | PBDB-T | BTTIC | 12.860 | 19.450 | 0.738 | 0.895 | https://doi.org/10.1039/C9TA02283J |
| 510. | PBDB-T | a-BTTIC | 13.600 | 20.310 | 0.740 | 0.904 | https://doi.org/10.1039/C9TA02283J |
| 511. | PBDB-T | ITIC | 9.670 | 16.460 | 0.660 | 0.890 | https://doi.org/10.1039/C9TA01195A |
| 512. | PM7 | BDS _e ThCl | 11.910 | 17.850 | 0.688 | 0.970 | https://doi.org/10.1039/C9TA03177D |
| 513. | PM7 | BDS _e PhCl | 13.680 | 20.350 | 0.731 | 0.920 | https://doi.org/10.1039/C9TA03177D |
| 514. | PBDB-T | ITIC-CI ₄ | 9.600 | 21.500 | 0.570 | 0.740 | https://doi.org/10.1039/C8TC02701C |
| 515. | PBTIBD _{TT} | Si ₄ TIC-F | 10.200 | 18.840 | 0.694 | 0.780 | https://doi.org/10.1039/C8TC04883E |
| 516. | P4T2F-BO | O-IDTBR | 6.300 | 9.900 | 0.600 | 1.060 | https://doi.org/10.1039/C8TC04746D |
| 517. | P4T2F-BO/HD | O-IDTBR | 6.500 | 10.700 | 0.600 | 1.020 | https://doi.org/10.1039/C8TC04746D |
| 518. | P4T2F-HD | O-IDTBR | 7.000 | 10.000 | 0.670 | 1.040 | https://doi.org/10.1039/C8TC04746D |
| 519. | PDFQ _x -2T | ITIC | 4.820 | 12.230 | 0.420 | 0.860 | https://doi.org/10.1039/C8TC06206D |
| 520. | PDFQ _x -2T2F | ITIC | 4.930 | 10.340 | 0.470 | 0.970 | https://doi.org/10.1039/C8TC06206D |
| 521. | PDFQ _x -2TB | ITIC | 3.950 | 9.030 | 0.450 | 0.930 | https://doi.org/10.1039/C8TC06206D |

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| 522. | PDFQx-3T | ITIC | 8.130 | 16.600 | 0.580 | 0.820 | https://doi.org/10.1039/C8TC06206D |
| 523. | PBDB-T | IDIDTT | 9.790 | 16.530 | 0.598 | 0.990 | https://doi.org/10.1039/C8TC06245E |
| 524. | PBDB-T | IDIDTT-2F | 11.290 | 19.790 | 0.619 | 0.920 | https://doi.org/10.1039/C8TC06245E |
| 525. | PBTZNT | m-ITIC | 9.230 | 15.190 | 0.664 | 0.890 | https://doi.org/10.1039/C9TC00403C |
| 526. | PFBTZNT | m-ITIC | 11.020 | 16.980 | 0.687 | 0.910 | https://doi.org/10.1039/C9TC00403C |
| 527. | J51 | ITIC | 6.100 | 11.130 | 0.650 | 0.830 | https://doi.org/10.1021/aacs.jpcc.8b08595 |
| 528. | PBDB-T | ITIC | 7.670 | 14.590 | 0.580 | 0.890 | https://doi.org/10.1021/aacs.jpcc.8b08595 |
| 529. | PBDB-T | A401 | 7.540 | 13.030 | 0.622 | 0.930 | https://doi.org/10.1021/aacs.jpcc.8b09336 |
| 530. | PBDB-T | O-IDTBR | 7.600 | 14.200 | 0.531 | 1.010 | https://doi.org/10.1021/aacs.jpcc.9b03572 |
| 531. | J52 | ITIC | 3.780 | 10.870 | 0.432 | 0.803 | https://doi.org/10.1021/aacs.jpcllett.8b03247 |
| 532. | J52-2Cl | ITIC | 11.530 | 17.170 | 0.702 | 0.956 | https://doi.org/10.1021/aacs.jpcllett.8b03247 |
| 533. | PTB7-Th | FNIC1 | 10.300 | 19.840 | 0.651 | 0.772 | https://doi.org/10.1021/jaacs.8b04027 |
| 534. | PTB7-Th | FNIC2 | 13.000 | 23.810 | 0.727 | 0.732 | https://doi.org/10.1021/jaacs.8b04027 |
| 535. | PTO2 | IT-4F | 14.700 | 21.500 | 0.750 | 0.910 | https://doi.org/10.1021/jaacs.8b12937 |
| 536. | PzNDT-T-BDD | IDIC | 9.720 | 15.650 | 0.711 | 0.875 | https://doi.org/10.1002/marc.201700872 |
| 537. | PzNDT-TT-BDD | IDIC | 8.120 | 15.150 | 0.597 | 0.907 | https://doi.org/10.1002/marc.201700872 |
| 538. | PzNDTP-T-BDD | IDIC | 4.620 | 10.630 | 0.469 | 0.925 | https://doi.org/10.1002/marc.201700872 |

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| 539. | PBBF | IDIC | 8.500 | 15.300 | 0.588 | 0.950 | https://doi.org/10.1002/marc.201800660 |
| 540. | PBDTT | IDIC | 5.300 | 13.700 | 0.439 | 0.880 | https://doi.org/10.1002/marc.201800660 |
| 541. | PNQ _x -2F2T-HW | IT-M | 7.400 | 14.100 | 0.650 | 0.810 | https://doi.org/10.1002/marc.201900120 |
| 542. | PNQ _x -2F2T-LW | IT-M | 7.500 | 14.300 | 0.660 | 0.800 | https://doi.org/10.1002/marc.201900120 |
| 543. | PTB7-Th | COi7IC | 6.360 | 13.120 | 0.589 | 0.820 | https://doi.org/10.1039/C8QM00285A |
| 544. | PTB7-Th | COi7DFIC | 8.320 | 17.360 | 0.719 | 0.670 | https://doi.org/10.1039/C8QM00285A |
| 545. | PBDB-T:DF | DF-PCNC | 11.630 | 18.160 | 0.726 | 0.860 | https://doi.org/10.1039/C8QM00318A |
| 546. | P3HT | H-IDTzR | 3.530 | 6.290 | 0.525 | 1.040 | https://doi.org/10.1039/C8QM00461G |
| 547. | P3HT | P-IDTzR | 5.010 | 8.360 | 0.546 | 1.020 | https://doi.org/10.1039/C8QM00461G |
| 548. | PBD | IT-M | 8.330 | 13.970 | 0.596 | 1.000 | https://doi.org/10.1039/C8QM00604K |
| 549. | PBD2T | IT-M | 10.340 | 15.950 | 0.728 | 0.890 | https://doi.org/10.1039/C8QM00604K |
| 550. | PTB7-Th | CO5DFIC | 5.580 | 14.190 | 0.674 | 0.580 | https://doi.org/10.1039/C8QM00647D |
| 551. | PTB7-Th | CO5DFIC-ST | 9.730 | 20.710 | 0.637 | 0.740 | https://doi.org/10.1039/C8QM00647D |
| 552. | PTB7-Th | BDTThIT-4F | 9.610 | 18.120 | 0.711 | 0.746 | https://doi.org/10.1016/j.nanoen.2018.11.010 |
| 553. | PTB7-Th | IEICO-4F | 10.850 | 23.540 | 0.634 | 0.727 | https://doi.org/10.1016/j.nanoen.2018.11.010 |
| 554. | PBDB-T | IT-M | 11.830 | 17.290 | 0.732 | 0.930 | https://doi.org/10.1039/C9NH00209J |
| 555. | PBDB-T | ITIC | 8.980 | 15.150 | 0.656 | 0.900 | https://doi.org/10.1039/C8NH00319J |

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| 556. | PBTT | IEICO | 9.500 | 17.900 | 0.613 | 0.860 | https://doi.org/10.1016/j.orgel.2018.10.026 |
| 557. | PTB7-Th | IEICO | 7.300 | 13.300 | 0.605 | 0.910 | https://doi.org/10.1016/j.orgel.2018.10.026 |
| 558. | PBDB-T | IT-M | 11.200 | 16.610 | 0.718 | 0.940 | https://doi.org/10.1002/pssr.201900217 |
| 559. | PBDB-T | ITCC | 8.700 | 12.220 | 0.725 | 0.990 | https://doi.org/10.1002/pssr.201900217 |
| 560. | PTBDD2F-a | ITIC | 6.600 | 13.240 | 0.490 | 0.960 | https://doi.org/10.1039/C8PY01458B |
| 561. | PTBDD2F-s | ITIC | 5.470 | 11.680 | 0.460 | 0.960 | https://doi.org/10.1039/C8PY01458B |
| 562. | PBT1-C-LW | ITCPTC | 10.800 | 15.900 | 0.740 | 0.920 | https://doi.org/10.1002/solr.201800129 |
| 563. | PBT1-C-MW | ITCPTC | 12.800 | 17.200 | 0.790 | 0.940 | https://doi.org/10.1002/solr.201800129 |
| 564. | PBT1-C-MW2 | ITCPTC | 12.400 | 17.100 | 0.780 | 0.930 | https://doi.org/10.1002/solr.201800129 |
| 565. | PBT1-C-HW | ITCPTC | 12.000 | 16.800 | 0.770 | 0.930 | https://doi.org/10.1002/solr.201800129 |
| 566. | PBT1-C | TPPTTT-IC | 7.910 | 12.470 | 0.637 | 0.996 | https://doi.org/10.1002/solr.201800246 |
| 567. | PBT1-C | TPPTTT-2F | 11.520 | 16.780 | 0.746 | 0.920 | https://doi.org/10.1002/solr.201800246 |
| 568. | PBT1-C | TPPTTT-4F | 12.050 | 19.360 | 0.721 | 0.863 | https://doi.org/10.1002/solr.201800246 |
| 569. | PM6 | BDS _{Se} IC | 7.100 | 14.000 | 0.519 | 0.970 | https://doi.org/10.1002/solr.201800250 |
| 570. | PM6 | BDS _{Se} IC2B _r | 12.500 | 20.300 | 0.691 | 0.890 | https://doi.org/10.1002/solr.201800250 |
| 571. | PM6 | BDS _{Se} IC4B _r | 9.600 | 16.400 | 0.686 | 0.850 | https://doi.org/10.1002/solr.201800250 |
| 572. | P(fTh-2DBDT)-C6 | ITIC-Th | 11.100 | 17.100 | 0.628 | 0.940 | https://doi.org/10.1002/sml.201805321 |

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| 573. | PBT1-C | ITIC-2Cl | 11.100 | 18.030 | 0.703 | 0.860 | https://doi.org/10.1002/adma.201803045 |
| 574. | PBT1-C | IT-2F | 11.040 | 17.280 | 0.727 | 0.879 | https://doi.org/10.1002/adfm.201807006 |
| 575. | PBT1-C | TPT-2F | 8.330 | 13.890 | 0.686 | 0.874 | https://doi.org/10.1039/C8TA07334A |
| 576. | PBT1-C | TPTT-2F | 10.170 | 15.820 | 0.730 | 0.881 | https://doi.org/10.1039/C8TA07334A |
| 577. | PBT1-C | TPTTT-2F | 12.030 | 17.630 | 0.745 | 0.916 | https://doi.org/10.1039/C8TA07334A |
| 578. | PBT1-C-2Cl | IDTT-2F-Th | 10.900 | 17.510 | 0.750 | 0.830 | https://doi.org/10.1039/C9TA01285K |
| 579. | PBT1-C-2Cl | ITCPTC | 12.240 | 18.020 | 0.759 | 0.895 | https://doi.org/10.1039/C9TA01285K |
| 580. | J61 | IDIC | 9.820 | 17.400 | 0.645 | 0.870 | https://doi.org/10.1039/C8TA08406H |
| 581. | J61 | BT-IC | 8.690 | 15.380 | 0.687 | 0.820 | https://doi.org/10.1039/C8TA08406H |
| 582. | PTB7-Th | COi8DFIC | 10.720 | 22.300 | 0.677 | 0.710 | https://doi.org/10.1039/C8TA08891H |
| 583. | PTB7-Th | IEICO-4F | 10.460 | 22.120 | 0.643 | 0.736 | https://doi.org/10.1039/C8TA08891H |
| 584. | PBDB-T | IT-M | 3.740 | 14.940 | 0.465 | 0.540 | https://doi.org/10.1021/acsaem.8b02252 |
| 585. | PBDB-T | IT-M | 11.150 | 16.590 | 0.675 | 0.952 | https://doi.org/10.1021/acsam.8b17246 |
| 586. | J71 | m-ITIC | 11.730 | 17.530 | 0.712 | 0.940 | https://doi.org/10.1021/cs.macromol.9b00484 |
| 587. | J75 | m-ITIC | 11.410 | 17.110 | 0.695 | 0.960 | https://doi.org/10.1021/cs.macromol.9b00484 |
| 588. | J76 | m-ITIC | 11.040 | 17.040 | 0.712 | 0.910 | https://doi.org/10.1021/cs.macromol.9b00484 |
| 589. | PPDT2FBT | ITIC-M | 7.200 | 13.320 | 0.590 | 0.910 | https://doi.org/10.1021/acsaelm.9b00328 |

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|------|----------------|--------|--------|--------|-------|-------|---|
| 590. | PBDTT-8ttTPD-L | ITIC | 5.760 | 11.470 | 0.550 | 0.920 | https://doi.org/10.1021/a-csaem.9b00835 |
| 591. | PBDTT-8ttTPD-M | ITIC | 8.270 | 14.790 | 0.600 | 0.930 | https://doi.org/10.1021/a-csaem.9b00835 |
| 592. | PBDTT-8ttTPD-H | ITIC | 11.050 | 17.520 | 0.680 | 0.930 | https://doi.org/10.1021/a-csaem.9b00835 |
| 593. | PBDB-T | ITIC | 9.190 | 15.850 | 0.640 | 0.900 | https://doi.org/10.1021/a-csami.9b04113 |
| 594. | PBDB-TF | IEIC | 3.800 | 7.650 | 0.450 | 1.110 | https://doi.org/10.1021/a-csami.9b10243 |
| 595. | PBDB-T | IEIC | 7.300 | 15.050 | 0.480 | 1.020 | https://doi.org/10.1021/a-csami.9b10243 |
| 596. | PBDB-T | IE-4F | 9.300 | 18.230 | 0.560 | 0.910 | https://doi.org/10.1021/a-csami.9b10243 |
| 597. | PBDB-TF | IE-4F | 10.800 | 21.350 | 0.580 | 0.870 | https://doi.org/10.1021/a-csami.9b10243 |
| 598. | PBDB-T | IE-4Cl | 9.700 | 17.820 | 0.610 | 0.890 | https://doi.org/10.1021/a-csami.9b10243 |
| 599. | PBDB-T | IE-4Cl | 11.100 | 21.490 | 0.600 | 0.860 | https://doi.org/10.1021/a-csami.9b10243 |
| 600. | P3HT | BTDT2R | 5.090 | 9.420 | 0.670 | 0.810 | https://doi.org/10.1021/a-csami.9b09256 |
| 601. | PPDT2FBT | BTDT2R | 6.900 | 11.230 | 0.570 | 1.070 | https://doi.org/10.1021/a-csami.9b09256 |
| 602. | PTB7-Th | BTDT2R | 8.190 | 13.520 | 0.570 | 1.060 | https://doi.org/10.1021/a-csami.9b09256 |
| 603. | PY1 | ITIC | 12.490 | 18.460 | 0.720 | 0.940 | https://doi.org/10.1021/a-csami.9b09486 |
| 604. | PY2 | ITIC | 7.390 | 14.540 | 0.660 | 0.770 | https://doi.org/10.1021/a-csami.9b09486 |
| 605. | DOTFP-PhI | IT-4F | 10.650 | 17.750 | 0.701 | 0.856 | https://doi.org/10.1021/a-csami.9b09692 |

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|------|--------------|-----------|--------|--------|-------|-------|---|
| 606. | DOTFP-TPD | IT-4F | 10.040 | 18.340 | 0.674 | 0.812 | https://doi.org/10.1021/a csami.9b096 92 |
| 607. | PBDB-T | BDCPDT-IC | 9.330 | 16.560 | 0.655 | 0.860 | https://doi.org/10.1021/a csami.9b084 62 |
| 608. | PBDB-T | BDCPDT-BC | 10.820 | 18.550 | 0.634 | 0.920 | https://doi.org/10.1021/a csami.9b084 62 |
| 609. | PBDB-T | ITIC | 9.250 | 14.260 | 0.641 | 0.970 | https://doi.org/10.1021/a csami.9b084 62 |
| 610. | PBDB-T | ITBC | 10.740 | 17.220 | 0.636 | 0.980 | https://doi.org/10.1021/a csami.9b084 62 |
| 611. | PBDB-T | DTCC-IC | 10.050 | 16.750 | 0.652 | 0.920 | https://doi.org/10.1021/a csami.9b084 62 |
| 612. | PBDB-T | DTCC-BC | 12.070 | 19.900 | 0.645 | 0.940 | https://doi.org/10.1021/a csami.9b084 62 |
| 613. | PBDB-T-SF | ITIC2 | 10.100 | 15.490 | 0.586 | 1.069 | https://doi.org/10.1021/a csami.9b117 00 |
| 614. | PBDB-T-SF | ITIC-S | 11.600 | 16.400 | 0.663 | 1.046 | https://doi.org/10.1021/a csami.9b117 00 |
| 615. | PBnDT-FTAZNO | IT-M | 7.060 | 15.440 | 0.525 | 0.870 | https://doi.org/10.1021/a csapm.9b00 044 |
| 616. | PBnDT-OTAZ | IT-M | 3.570 | 11.580 | 0.434 | 0.709 | https://doi.org/10.1021/a csapm.9b00 044 |
| 617. | PBoDT-OTAZ | IT-M | 1.230 | 9.510 | 0.336 | 0.382 | https://doi.org/10.1021/a csapm.9b00 044 |
| 618. | PDTPO-BDTT | IT-4F | 10.960 | 19.180 | 0.704 | 0.810 | https://doi.org/10.1021/a csomega.9b 01363 |
| 619. | PDTPO-BDTT | NNFA-4F | 10.040 | 19.300 | 0.628 | 0.830 | https://doi.org/10.1021/a csomega.9b 01363 |
| 620. | PDTPO-BDTT | COi8DFIC | 6.460 | 16.960 | 0.468 | 0.810 | https://doi.org/10.1021/a csomega.9b 01363 |
| 621. | PBDB-T | IDTCN-C | 11.920 | 20.330 | 0.696 | 0.840 | https://doi.org/10.1002/a enm.201901 280 |

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|------|-----------|-----------|--------|--------|-------|-------|---|
| 622. | PBDB-T | IDTCN-O | 13.280 | 19.960 | 0.732 | 0.910 | https://doi.org/10.1002/aenm.201901280 |
| 623. | PBDB-T | IDTCN-S | 10.600 | 19.040 | 0.657 | 0.850 | https://doi.org/10.1002/aenm.201901280 |
| 624. | PM6 | IT-4F | 12.880 | 20.600 | 0.750 | 0.833 | https://doi.org/10.1002/aenm.201901728 |
| 625. | PM6 | Y6 | 15.450 | 25.050 | 0.720 | 0.857 | https://doi.org/10.1002/aenm.201901728 |
| 626. | PM6 | Y6 | 15.750 | 24.890 | 0.744 | 0.845 | https://doi.org/10.1002/adma.201902210 |
| 627. | PBDB-TF | Y6 | 15.300 | 24.800 | 0.741 | 0.834 | https://doi.org/10.1002/adma.201902302 |
| 628. | PBDB-TF | BTP-4F-8 | 15.300 | 24.600 | 0.740 | 0.841 | https://doi.org/10.1002/adma.201903441 |
| 629. | PBDB-TF | BTP-4F-12 | 16.400 | 25.300 | 0.760 | 0.855 | https://doi.org/10.1002/adma.201903441 |
| 630. | PTB7-Th | O-IDTBR | 9.900 | 15.500 | 0.600 | 1.020 | https://doi.org/10.1002/dfm.201808429 |
| 631. | PTB7-Th | O-IDTBCN | 11.100 | 19.800 | 0.730 | 0.720 | https://doi.org/10.1002/dfm.201808429 |
| 632. | PBDTT-DPP | ITIC | 3.700 | 7.400 | 0.592 | 0.844 | https://doi.org/10.1002/dfm.201902441 |
| 633. | PBDTT-DPP | IEICO-4F | 8.140 | 18.500 | 0.648 | 0.679 | https://doi.org/10.1002/dfm.201902441 |
| 634. | PBDB-T | INPIC-4F | 12.100 | 21.300 | 0.669 | 0.850 | https://doi.org/10.1002/dfm.201903269 |
| 635. | PBDB-T | p-INPOIC | 10.600 | 19.000 | 0.661 | 0.846 | https://doi.org/10.1002/dfm.201903269 |
| 636. | PBDB-T | m-INPOIC | 9.710 | 18.400 | 0.632 | 0.835 | https://doi.org/10.1002/dfm.201903269 |
| 637. | PBTA-PS | LA1 | 10.220 | 15.170 | 0.751 | 0.890 | https://doi.org/10.1002/dfm.201903596 |

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|------|-----------|-----------|--------|--------|-------|-------|---|
| 638. | PBTA-PS | 6TIC | 8.150 | 15.470 | 0.623 | 0.840 | https://doi.org/10.1002/afm.201903596 |
| 639. | PFBDB-T | CDTTIC | 11.500 | 24.900 | 0.560 | 0.780 | https://doi.org/10.1002/afm.201904956 |
| 640. | J71 | HCN-C8 | 2.380 | 6.240 | 0.378 | 1.010 | https://doi.org/10.1021/acs.chemmater.9b02355 |
| 641. | J71 | HCN-C16 | 5.510 | 12.300 | 0.435 | 1.030 | https://doi.org/10.1021/acs.chemmater.9b02355 |
| 642. | J71 | H2FCN-C16 | 11.180 | 18.620 | 0.667 | 0.900 | https://doi.org/10.1021/acs.chemmater.9b02355 |
| 643. | PBDB-TF | C8-ITCC | 10.800 | 16.100 | 0.630 | 1.040 | https://doi.org/10.1021/acs.chemmater.9b00980 |
| 644. | PBDB-TF | C8-ITCC-C | 12.700 | 17.900 | 0.730 | 0.950 | https://doi.org/10.1021/acs.chemmater.9b00980 |
| 645. | PBDB-T-Cl | PBIBDT-C | 6.630 | 9.890 | 0.590 | 1.140 | https://doi.org/10.1002/cphc.201900309 |
| 646. | PTBTz-2 | IT-M | 10.510 | 17.610 | 0.618 | 0.954 | https://doi.org/10.1039/C9TA04286E |
| 647. | PBDB-T | DTFT5-FIC | 5.450 | 11.640 | 0.520 | 0.900 | https://doi.org/10.1039/C9TA05116C |
| 648. | PBDB-T | DTFT9-FIC | 9.580 | 19.010 | 0.586 | 0.860 | https://doi.org/10.1039/C9TA05116C |
| 649. | PBDB-T | o-F-ITIC | 11.110 | 18.070 | 0.670 | 0.918 | https://doi.org/10.1039/C9TA07133D |
| 650. | PBDB-T | m-F-ITIC | 8.900 | 15.800 | 0.638 | 0.883 | https://doi.org/10.1039/C9TA07133D |
| 651. | PBDB-TF | IT-2F | 13.680 | 19.350 | 0.760 | 0.930 | https://doi.org/10.1039/C9TA04789A |
| 652. | PBDB-TF | IT-2Cl | 13.740 | 19.800 | 0.750 | 0.920 | https://doi.org/10.1039/C9TA04789A |
| 653. | PBDB-TF | IT-4F | 13.350 | 20.420 | 0.750 | 0.870 | https://doi.org/10.1039/C9TA04789A |
| 654. | PBDB-TF | IT-4Cl | 12.870 | 22.120 | 0.740 | 0.790 | https://doi.org/10.1039/C9TA04789A |

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|------|---------|------------|--------|--------|-------|-------|---|
| 655. | PBDB-TF | ITCC | 9.510 | 14.200 | 0.620 | 1.070 | https://doi.org/10.1039/C9TA04789A |
| 656. | PBDB-TF | IT-M | 10.420 | 16.130 | 0.630 | 1.010 | https://doi.org/10.1039/C9TA04789A |
| 657. | PBDB-TF | ITIC | 10.750 | 16.420 | 0.650 | 1.000 | https://doi.org/10.1039/C9TA04789A |
| 658. | PBT1-C | IT-2F | 10.540 | 15.970 | 0.708 | 0.902 | https://doi.org/10.1039/C9TA06476A |
| 659. | PBT1-C | TTPT-T-2F | 12.710 | 17.700 | 0.751 | 0.915 | https://doi.org/10.1039/C9TA06476A |
| 660. | PBT1-C | T-TPT-T-2F | 10.710 | 16.570 | 0.671 | 0.933 | https://doi.org/10.1039/C9TA06476A |
| 661. | PTB7-Th | FUIC | 11.200 | 23.300 | 0.689 | 0.692 | https://doi.org/10.1039/C9TA07917C |
| 662. | PTB7-Th | i-FUIC | 10.300 | 20.200 | 0.634 | 0.779 | https://doi.org/10.1039/C9TA07917C |
| 663. | PM6 | IT-4F | 13.100 | 20.600 | 0.759 | 0.835 | https://doi.org/10.1039/C9TA06929A |
| 664. | PM7 | IT-4F | 13.400 | 20.500 | 0.768 | 0.852 | https://doi.org/10.1039/C9TA06929A |
| 665. | PM6 | Y6 | 15.500 | 24.500 | 0.746 | 0.848 | https://doi.org/10.1039/C9TA06929A |
| 666. | PM7 | Y6 | 15.400 | 24.200 | 0.728 | 0.875 | https://doi.org/10.1039/C9TA06929A |
| 667. | PTB7-Th | IEICO-4F | 11.710 | 25.680 | 0.653 | 0.690 | https://doi.org/10.1039/C9TA07542A |
| 668. | PBDB-T | IPT-2F | 14.000 | 22.400 | 0.724 | 0.860 | https://doi.org/10.1039/C9TA07634D |
| 669. | PBDB-T | IPTT-2F | 11.400 | 19.700 | 0.662 | 0.874 | https://doi.org/10.1039/C9TA07634D |
| 670. | PBDB-T | IPTTT-2F | 12.300 | 20.000 | 0.693 | 0.894 | https://doi.org/10.1039/C9TA07634D |
| 671. | PTB7-Th | IEICO-4F | 8.330 | 18.850 | 0.610 | 0.720 | https://doi.org/10.1021/acs.jpcc.9b06267 |
| 672. | PBDB-T | ITIC | 9.260 | 17.130 | 0.620 | 0.870 | https://doi.org/10.1021/acs.jpcc.9b06267 |

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|------|--------------------------|-------------------|--------|--------|-------|-------|---|
| 673. | PBDB-T | IEICO-4F | 8.500 | 20.910 | 0.520 | 0.770 | https://doi.org/10.1021/acs.jpcc.9b06267 |
| 674. | PBDB-T2F | ITIC-2Cl- β | 11.210 | 18.470 | 0.646 | 0.940 | https://doi.org/10.1021/acs.jpcllett.9b01931 |
| 675. | PBDB-T2F | a-ITIC-2Cl | 12.230 | 18.910 | 0.735 | 0.880 | https://doi.org/10.1021/acs.jpcllett.9b01931 |
| 676. | PBTIBD TT | ITIC | 8.890 | 14.390 | 0.644 | 0.960 | https://doi.org/10.1039/C9TC02700A |
| 677. | PBTIBD TT | oF-ITIC | 9.010 | 13.490 | 0.710 | 0.940 | https://doi.org/10.1039/C9TC02700A |
| 678. | PBTIBD TT | mF-ITIC | 9.500 | 14.530 | 0.681 | 0.960 | https://doi.org/10.1039/C9TC02700A |
| 679. | PBDB-T | IDT-PhIC | 5.110 | 9.990 | 0.547 | 0.930 | https://doi.org/10.1039/C9TC02237F |
| 680. | PBDB-TF | IT-4F | 12.290 | 19.550 | 0.748 | 0.840 | https://doi.org/10.1039/C9TC03534F |
| 681. | PBDB-TF | O6T-4F | 7.220 | 16.370 | 0.558 | 0.790 | https://doi.org/10.1039/C9TC03534F |
| 682. | PBBF | IDIC | 8.500 | 15.300 | 0.588 | 0.950 | https://doi.org/10.1002/marc.201800660 |
| 683. | PBD TT | IDIC | 5.300 | 13.700 | 0.439 | 0.880 | https://doi.org/10.1002/marc.201800660 |
| 684. | PNQ _x -2F2THW | IT-M | 7.400 | 14.100 | 0.650 | 0.810 | https://doi.org/10.1002/marc.201900120 |
| 685. | PNQ _x -2F2TLW | IT-M | 7.500 | 14.300 | 0.660 | 0.800 | https://doi.org/10.1002/marc.201900120 |
| 686. | PE31 | Y6 | 7.620 | 20.450 | 0.469 | 0.800 | https://doi.org/10.1021/acs.macromol.9b01233 |
| 687. | PE32 | Y6 | 7.310 | 18.440 | 0.530 | 0.750 | https://doi.org/10.1021/acs.macromol.9b01233 |
| 688. | J52-Cl | Y6 | 12.310 | 23.770 | 0.614 | 0.840 | https://doi.org/10.1021/acs.macromol.9b01233 |
| 689. | PE4 | Y6 | 14.020 | 22.210 | 0.754 | 0.840 | https://doi.org/10.1021/acs.macromol.9b01233 |

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| 690. | PBDB-T-SF | Y6 | 15.180 | 24.680 | 0.712 | 0.864 | https://doi.org/10.1039/C9MH00844F |
| 691. | PBDB-T-SF | ITCT | 10.920 | 18.110 | 0.615 | 0.981 | https://doi.org/10.1039/C9MH00844F |
| 692. | PBDB-T-SF | IT-4F | 12.770 | 20.100 | 0.735 | 0.864 | https://doi.org/10.1039/C9MH00844F |
| 693. | PTB7-Th | IEICO-4F | 10.100 | 20.700 | 0.682 | 0.710 | https://doi.org/10.1021/aacs.nanolett.9b01344 |
| 694. | PBDB-T | Y1 | 12.600 | 20.400 | 0.696 | 0.880 | https://doi.org/10.1021/aacs.nanolett.9b01344 |
| 695. | P1 | ITIC | 7.600 | 16.300 | 0.581 | 0.800 | https://doi.org/10.1039/C9PY00674E |
| 696. | P2 | ITIC | 8.100 | 14.600 | 0.617 | 0.900 | https://doi.org/10.1039/C9PY00674E |
| 697. | PT-68 | ITIC | 5.440 | 11.490 | 0.461 | 1.020 | https://doi.org/10.1016/j.polymer.2019.121580 |
| 698. | PT-810-H | ITIC | 7.030 | 12.430 | 0.531 | 1.040 | https://doi.org/10.1016/j.polymer.2019.121580 |
| 699. | PT-810-L | ITIC | 6.030 | 10.300 | 0.559 | 1.040 | https://doi.org/10.1016/j.polymer.2019.121580 |
| 700. | P3HT | SF-HR | 4.010 | 8.230 | 0.490 | 1.000 | https://doi.org/10.1039/C9RA03188J |
| 701. | P(F-Cl) | IT-4F | 11.800 | 20.300 | 0.660 | 0.879 | https://doi.org/10.1002/sml.201902598 |
| 702. | P(Cl-Cl) | IT-4F | 10.200 | 20.300 | 0.561 | 0.899 | https://doi.org/10.1002/sml.201902598 |
| 703. | PBDB-T2C1 | IDIC-4H | 4.570 | 10.320 | 0.453 | 0.980 | https://doi.org/10.1021/aacsami.8b15923 |
| 704. | PBDB-T2C1 | IDIC-4F | 7.100 | 13.000 | 0.619 | 0.880 | https://doi.org/10.1021/aacsami.8b15923 |
| 705. | PBDB-T2C1 | IDIC-4Cl | 9.240 | 16.210 | 0.687 | 0.830 | https://doi.org/10.1021/aacsami.8b15923 |
| 706. | PM6 | Y6 | 15.700 | 25.200 | 0.761 | 0.820 | https://doi.org/10.1016/j.joule.2019.01.004 |

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|------|---------|------------|--------|--------|-------|-------|---|
| 707. | PTQ10 | MO-IDIC | 11.160 | 16.920 | 0.681 | 0.969 | https://doi.org/10.1038/s41467-019-08508-3 |
| 708. | PTQ10 | MO-IDIC-2F | 13.460 | 19.870 | 0.748 | 0.906 | https://doi.org/10.1038/s41467-019-08508-3 |
| 709. | PBDB-T | Y1 | 13.420 | 22.440 | 0.691 | 0.870 | https://doi.org/10.1038/s41467-019-08386-9 |
| 710. | PBDB-T | Y2 | 13.400 | 23.560 | 0.694 | 0.820 | https://doi.org/10.1038/s41467-019-08386-9 |
| 711. | PBDB-TF | ID4F | 6.880 | 13.420 | 0.610 | 0.840 | https://doi.org/10.1038/s41467-019-10098-z |
| 712. | PBDB-TF | PTICH | 4.080 | 8.220 | 0.540 | 0.920 | https://doi.org/10.1038/s41467-019-10098-z |
| 713. | PBDB-TF | PTIC | 10.270 | 16.730 | 0.660 | 0.930 | https://doi.org/10.1038/s41467-019-10098-z |
| 714. | PBDB-TF | PTICO | 6.620 | 12.600 | 0.520 | 1.010 | https://doi.org/10.1038/s41467-019-10098-z |
| 715. | PBDB-TF | BTP-4F | 15.600 | 24.900 | 0.753 | 0.834 | https://doi.org/10.1038/s41467-019-10351-5 |
| 716. | PBDB-TF | BTP-4CI | 16.500 | 25.400 | 0.750 | 0.859 | https://doi.org/10.1038/s41467-019-10351-5 |
| 717. | PTB7-Th | ITIC | 8.400 | 15.890 | 0.630 | 0.820 | https://doi.org/10.1021/a-csaem.9b01176 |
| 718. | PTB7-Th | O-IDTBR | 5.880 | 13.300 | 0.434 | 1.010 | https://doi.org/10.1021/a-csaem.9b01534 |
| 719. | PTB7-Th | O-IDTBR | 9.000 | 15.400 | 0.585 | 0.990 | https://doi.org/10.1021/a-csaem.9b01534 |
| 720. | PTB7-Th | O-IDTBR | 9.420 | 15.000 | 0.616 | 0.990 | https://doi.org/10.1021/a-csaem.9b01534 |
| 721. | PTB7-Th | O-IDTBR | 9.180 | 14.400 | 0.625 | 1.000 | https://doi.org/10.1021/a-csaem.9b01534 |
| 722. | PTB7-Th | O-IDTBR | 8.370 | 13.600 | 0.613 | 1.000 | https://doi.org/10.1021/a-csaem.9b01534 |

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|------|-------------------|-----------------------|--------|--------|-------|-------|---|
| 723. | P6T-F00 | EH-IDTBR | 4.300 | 6.700 | 0.560 | 1.070 | https://doi.org/10.1021/a CSAEM.9b01532 |
| 724. | P6T-F100 | EH-IDTBR | 7.300 | 11.200 | 0.660 | 0.990 | https://doi.org/10.1021/a CSAEM.9b01532 |
| 725. | PBDB-T | ITIC | 9.680 | 15.880 | 0.670 | 0.850 | https://doi.org/10.1021/a CSAEM.9b01591 |
| 726. | PBDB-TF | ITIC-2Cl-Th | 11.450 | 18.310 | 0.721 | 0.860 | https://doi.org/10.1021/a CSAEM.9b01667 |
| 727. | PBDB-TF | ITIC-Cl- γ -Th | 12.250 | 18.020 | 0.726 | 0.910 | https://doi.org/10.1021/a CSAEM.9b01667 |
| 728. | PBDB-TF | ITIC-Cl- δ -Th | 11.130 | 17.270 | 0.719 | 0.890 | https://doi.org/10.1021/a CSAEM.9b01667 |
| 729. | PBDB-T-SF | ITIC2 | 10.100 | 15.490 | 0.586 | 1.069 | https://doi.org/10.1021/a CSAMI.9b11700 |
| 730. | PBDB-T-SF | ITIC-S | 11.600 | 16.400 | 0.663 | 1.046 | https://doi.org/10.1021/a CSAMI.9b11700 |
| 731. | p-PBDTPS-FTA Z | ITIC | 10.860 | 17.910 | 0.661 | 0.880 | https://doi.org/10.1021/a CSAMI.9b07112 |
| 732. | m-PBDTPS-FTA Z | ITIC | 13.160 | 18.020 | 0.715 | 0.950 | https://doi.org/10.1021/a CSAMI.9b07112 |
| 733. | PBDB-T | BDCPDT-IC | 9.330 | 15.830 | 0.638 | 0.850 | https://doi.org/10.1021/a CSAMI.9b08462 |
| 734. | PBDB-T | BDCPDT-BC | 10.820 | 18.310 | 0.625 | 0.920 | https://doi.org/10.1021/a CSAMI.9b08462 |
| 735. | PBDB-T | DTCC-IC | 9.250 | 14.260 | 0.641 | 0.970 | https://doi.org/10.1021/a CSAMI.9b08462 |
| 736. | PBDB-T | DTCC-BC | 10.740 | 17.160 | 0.615 | 0.980 | https://doi.org/10.1021/a CSAMI.9b08462 |
| 737. | PBDB-T | ITIC | 10.050 | 16.740 | 0.642 | 0.920 | https://doi.org/10.1021/a CSAMI.9b08462 |
| 738. | PBDB-T | ITBC | 12.070 | 19.610 | 0.635 | 0.940 | https://doi.org/10.1021/a CSAMI.9b08462 |

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|------|------------|------------|--------|--------|-------|-------|---|
| 739. | PBDB-T | ATT-1 | 9.000 | 16.010 | 0.600 | 0.920 | https://doi.org/10.1021/a csami.9b106 41 |
| 740. | PBDB-T | ATT-4 | 11.220 | 17.130 | 0.680 | 0.925 | https://doi.org/10.1021/a csami.9b106 41 |
| 741. | PBDB-T | ATT-5 | 12.360 | 18.560 | 0.700 | 0.927 | https://doi.org/10.1021/a csami.9b106 41 |
| 742. | PBDB-T-2F | IT-4F | 11.600 | 19.300 | 0.719 | 0.810 | https://doi.org/10.1021/a csami.9b144 64 |
| 743. | PBDB-T | i-IEICO-4F | 11.000 | 19.100 | 0.606 | 0.920 | https://doi.org/10.1021/a csami.9b125 22 |
| 744. | PBDB-T-2Cl | IT-4F | 12.960 | 18.840 | 0.745 | 0.881 | https://doi.org/10.1021/a csami.9b164 04 |
| 745. | PBDT-BZ | BDTB-Ph | 10.590 | 17.520 | 0.645 | 0.918 | https://doi.org/10.1021/a csami.9b149 81 |
| 746. | PBDT-BZ | BDTB-Na | 10.140 | 17.660 | 0.626 | 0.888 | https://doi.org/10.1021/a csami.9b149 81 |
| 747. | PBDT-BZ | TBDB-Ph | 4.040 | 9.810 | 0.428 | 0.921 | https://doi.org/10.1021/a csami.9b149 81 |
| 748. | PBDT-BZ | TBDB-Na | 6.320 | 13.020 | 0.516 | 0.903 | https://doi.org/10.1021/a csami.9b149 81 |
| 749. | PTBD-BZ | BDTB-Ph | 9.260 | 16.540 | 0.585 | 0.926 | https://doi.org/10.1021/a csami.9b149 81 |
| 750. | PTBD-BZ | BDTB-Na | 10.030 | 18.250 | 0.610 | 0.875 | https://doi.org/10.1021/a csami.9b149 81 |
| 751. | PTBD-BZ | TBDB-Ph | 11.060 | 17.940 | 0.650 | 0.923 | https://doi.org/10.1021/a csami.9b149 81 |
| 752. | PTBD-BZ | TBDB-Na | 12.470 | 19.500 | 0.692 | 0.905 | https://doi.org/10.1021/a csami.9b149 81 |
| 753. | PDTBDT-BZ | BDTB-Ph | 6.500 | 13.200 | 0.539 | 0.883 | https://doi.org/10.1021/a csami.9b149 81 |
| 754. | PDTBDT-BZ | TBDB-Ph | 6.200 | 13.180 | 0.505 | 0.911 | https://doi.org/10.1021/a csami.9b149 81 |

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|------|-------------------|---------------------------|--------|--------|-------|-------|---|
| 755. | PDTBDT-BZ | TBDB-Na | 5.380 | 11.080 | 0.528 | 0.878 | https://doi.org/10.1021/a csami.9b149 81 |
| 756. | PBDB-T | ITIC | 9.300 | 15.700 | 0.660 | 0.880 | https://doi.org/10.1021/a csami.9b157 53 |
| 757. | PBDB-T | N220 | 10.700 | 16.900 | 0.690 | 0.900 | https://doi.org/10.1021/a csami.9b157 53 |
| 758. | PTB7-Th | P-1 | 3.820 | 9.430 | 0.532 | 0.780 | https://doi.org/10.1021/a csami.9b159 75 |
| 759. | PTB7-Th | P-2 | 6.980 | 13.500 | 0.648 | 0.800 | https://doi.org/10.1021/a csami.9b159 75 |
| 760. | PTB7-Th | P-3 | 5.480 | 12.070 | 0.567 | 0.770 | https://doi.org/10.1021/a csami.9b159 75 |
| 761. | PBDB-T | FDTBT- IDTT- FINCN | 7.270 | 13.180 | 0.610 | 0.850 | https://doi.org/10.1021/a csami.9b152 47 |
| 762. | PBDB-T | CNDTBT- IDTT- FINCN | 9.130 | 16.690 | 0.640 | 0.810 | https://doi.org/10.1021/a csami.9b152 47 |
| 763. | PBDB-T | m-INPOIC | 12.800 | 20.700 | 0.708 | 0.850 | https://doi.org/10.1021/a csenergylett. 9b01630 |
| 764. | PFT-EHp | Y6 | 14.160 | 25.010 | 0.712 | 0.780 | https://doi.org/10.1021/a csenergylett. 9b01447 |
| 765. | PCT-EHp | Y6 | 15.060 | 25.700 | 0.727 | 0.790 | https://doi.org/10.1021/a csenergylett. 9b01447 |
| 766. | P2F-EHp | Y6 | 15.650 | 26.110 | 0.733 | 0.810 | https://doi.org/10.1021/a csenergylett. 9b01447 |
| 767. | PE61 | Y6 | 8.610 | 23.410 | 0.553 | 0.660 | https://doi.org/10.1021/a csmacrolett. 9b00368 |
| 768. | PE62 | Y6 | 12.020 | 24.640 | 0.622 | 0.780 | https://doi.org/10.1021/a csmacrolett. 9b00368 |
| 769. | PE63 | Y6 | 13.100 | 24.680 | 0.637 | 0.830 | https://doi.org/10.1021/a csmacrolett. 9b00368 |
| 770. | PIDTT- DTffBTA | Y6 | 11.050 | 22.440 | 0.646 | 0.730 | https://doi.org/10.1021/a csmacrolett. 9b00704 |

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| 771. | J52 | Y6 | 7.150 | 20.430 | 0.516 | 0.650 | https://doi.org/10.1021/acsmacrolett.9b00704 |
| 772. | PDTPO-BDTT | IT-4F | 10.960 | 18.940 | 0.683 | 0.810 | https://doi.org/10.1021/acsomega.9b01363 |
| 773. | PDTPO-BDTT | NNFA-4F | 10.040 | 18.720 | 0.623 | 0.830 | https://doi.org/10.1021/acsomega.9b01363 |
| 774. | PDTPO-BDTT | COi8DFIC | 6.460 | 16.260 | 0.465 | 0.810 | https://doi.org/10.1021/acsomega.9b01363 |
| 775. | PBDB-T | ITIC | 9.950 | 15.400 | 0.710 | 0.880 | https://doi.org/10.1002/enm.201900887 |
| 776. | PBDB-T | ITIC | 12.180 | 18.620 | 0.720 | 0.870 | https://doi.org/10.1002/enm.201900887 |
| 777. | PBDB-T | IT-4F | 10.100 | 20.020 | 0.706 | 0.710 | https://doi.org/10.1002/enm.201901823 |
| 778. | PBDB-T | ITIC | 10.300 | 17.100 | 0.686 | 0.878 | https://doi.org/10.1002/enm.201902065 |
| 779. | PBDB-T | F-Cl | 10.810 | 17.080 | 0.740 | 0.860 | https://doi.org/10.1002/aenm.201902688 |
| 780. | PBDB-T | F-2Cl | 10.340 | 17.520 | 0.740 | 0.801 | https://doi.org/10.1002/aenm.201902688 |
| 781. | PM6 | F-Cl | 12.500 | 16.430 | 0.770 | 0.982 | https://doi.org/10.1002/aenm.201902688 |
| 782. | PM6 | F-2Cl | 12.830 | 18.080 | 0.770 | 0.916 | https://doi.org/10.1002/aenm.201902688 |
| 783. | PBDB-T-SF | IT-4F | 13.100 | 19.400 | 0.720 | 0.900 | https://doi.org/10.1002/adma.201902965 |
| 784. | PBDB-T-2F | Y6 | 15.300 | 24.800 | 0.720 | 0.850 | https://doi.org/10.1002/adma.201902965 |
| 785. | PBDB-T | Y1 | 13.400 | 21.400 | 0.695 | 0.880 | https://doi.org/10.1002/adma.201904215 |
| 786. | PBDB-T | Y1-4F | 9.900 | 22.700 | 0.574 | 0.740 | https://doi.org/10.1002/adma.201904215 |

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|------|--------------|----------|--------|--------|-------|-------|---|
| 787. | PBDB-T-F | Y1 | 7.100 | 12.900 | 0.555 | 0.920 | https://doi.org/10.1002/adma.201904215 |
| 788. | PBDB-T-F | Y1-4F | 14.800 | 25.200 | 0.685 | 0.830 | https://doi.org/10.1002/adma.201904215 |
| 789. | PM6 | Y6 | 16.000 | 25.500 | 0.740 | 0.840 | https://doi.org/10.1002/adma.201905645 |
| 790. | PM6 | 3TP3T-4F | 13.900 | 20.300 | 0.739 | 0.920 | https://doi.org/10.1002/adma.201905645 |
| 791. | PM6 | 3TP3T-IC | 9.000 | 13.000 | 0.656 | 1.050 | https://doi.org/10.1002/adma.201905645 |
| 792. | P3HT | TrBIC | 6.620 | 11.750 | 0.624 | 0.860 | https://doi.org/10.1002/adma.201906045 |
| 793. | FTAZ | ITIC-Th | 9.530 | 16.800 | 0.626 | 0.907 | https://doi.org/10.1002/dvs.201801560 |
| 794. | FTAZ | ITIC-Th | 9.040 | 16.400 | 0.627 | 0.879 | https://doi.org/10.1002/dvs.201801560 |
| 795. | FTAZ | ITIC-Th | 10.440 | 17.820 | 0.663 | 0.884 | https://doi.org/10.1002/dvs.201801560 |
| 796. | PBDT(T)[2F]T | ITIC | 9.100 | 15.700 | 0.620 | 0.940 | https://doi.org/10.1002/dvs.201802028 |
| 797. | PBDB-T | ITIC | 10.000 | 16.800 | 0.680 | 0.870 | https://doi.org/10.1002/dvs.201802028 |
| 798. | PBDB-T-SF | IT-4F | 11.700 | 19.400 | 0.670 | 0.895 | https://doi.org/10.1002/dvs.201802028 |
| 799. | PTB7-Th | ITIC-Th | 8.250 | 14.590 | 0.695 | 0.800 | https://doi.org/10.1002/dvs.201901773 |
| 800. | P1 | ITIC-Th | 11.390 | 17.660 | 0.631 | 1.010 | https://doi.org/10.1002/dvs.201901773 |
| 801. | PTB7-Th | IEICO-4F | 9.790 | 21.920 | 0.605 | 0.730 | https://doi.org/10.1002/dvs.201901773 |
| 802. | P1 | IEICO-4F | 1.310 | 4.200 | 0.367 | 0.810 | https://doi.org/10.1002/dvs.201901773 |

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| 803. | P(NDI2OD-T2 | ITIC | 6.440 | 14.770 | 0.540 | 0.810 | https://doi.org/10.1021/acs.chemmater.9b03333 |
| 804. | J71 | HCN-C8 | 2.380 | 5.810 | 0.376 | 1.010 | https://doi.org/10.1021/acs.chemmater.9b02355 |
| 805. | J71 | HCN-C16 | 5.510 | 12.080 | 0.421 | 1.030 | https://doi.org/10.1021/acs.chemmater.9b02355 |
| 806. | J71 | H2FCN-C16 | 11.180 | 18.640 | 0.662 | 0.900 | https://doi.org/10.1021/acs.chemmater.9b02355 |
| 807. | PBDB-TF | C8-ITCC | 10.800 | 16.100 | 0.630 | 1.040 | https://doi.org/10.1021/acs.chemmater.9b00980 |
| 808. | PBDB-TF | C8-ITCC-Cl | 12.700 | 17.900 | 0.730 | 0.950 | https://doi.org/10.1021/acs.chemmater.9b00980 |
| 809. | PBDB-T-2F | SRID-4F | 13.050 | 20.290 | 0.747 | 0.843 | https://doi.org/10.1021/acs.chemmater.9b01242 |
| 810. | PBDB-T-2F | TRID-4F | 12.330 | 18.370 | 0.739 | 0.873 | https://doi.org/10.1021/acs.chemmater.9b01242 |
| 811. | PBDB-T-2F | IT-4F | 12.630 | 19.190 | 0.752 | 0.862 | https://doi.org/10.1021/acs.chemmater.9b01242 |
| 812. | PM6 | IN-4F | 13.000 | 21.300 | 0.687 | 0.870 | https://doi.org/10.1021/acs.chemmater.9b02943 |
| 813. | PM6 | IT-4F | 13.100 | 20.600 | 0.749 | 0.835 | https://doi.org/10.1021/acs.chemmater.9b02943 |
| 814. | PM6 | Y6 | 15.500 | 24.700 | 0.736 | 0.837 | https://doi.org/10.1021/acs.chemmater.9b02943 |
| 815. | T2-BTDF-(TE2) | ITIC | 2.930 | 5.800 | 0.520 | 0.980 | https://doi.org/10.1021/acs.chemmater.9b03327 |
| 816. | TE2-BTDF-(T2) | ITIC | 2.300 | 4.400 | 0.550 | 1.000 | https://doi.org/10.1021/acs.chemmater.9b03327 |
| 817. | T2-BTDF-(TE2) | ITIC-4F | 3.610 | 6.700 | 0.680 | 0.800 | https://doi.org/10.1021/acs.chemmater.9b03327 |
| 818. | TE2-BTDF-(T2) | ITIC-4f | 6.690 | 11.100 | 0.700 | 0.860 | https://doi.org/10.1021/acs.chemmater.9b03327 |

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| 819. | PBDB-T | ITIC | 9.400 | 16.870 | 0.628 | 0.887 | https://doi.org/10.1021/acs.chemmater.9b03935 |
| 820. | PDCBT | ITIC | 8.820 | 16.440 | 0.578 | 0.928 | https://doi.org/10.1021/acs.chemmater.9b03935 |
| 821. | PM7 | ITC-2Cl | 13.720 | 19.640 | 0.739 | 0.915 | https://doi.org/10.1039/C9EE01030K |
| 822. | PM7 | IXIC-4Cl | 12.010 | 21.190 | 0.699 | 0.795 | https://doi.org/10.1039/C9EE01030K |
| 823. | PTB7-Th | F5IC | 5.610 | 13.430 | 0.621 | 0.641 | https://doi.org/10.1021/jacs.9b08988 |
| 824. | PTB7-Th | AOIC | 13.700 | 24.320 | 0.743 | 0.742 | https://doi.org/10.1021/jacs.9b08988 |
| 825. | PTB7-Th | IUIC2 | 4.480 | 10.770 | 0.515 | 0.758 | https://doi.org/10.1021/jacs.9b08988 |
| 826. | PBDB-T-2F | HBDT-4Cl | 10.350 | 17.600 | 0.641 | 0.899 | https://doi.org/10.1039/C9TA06311K |
| 827. | PBDB-T-2F | FBDT-4Cl | 12.360 | 19.510 | 0.700 | 0.884 | https://doi.org/10.1039/C9TA06311K |
| 828. | PBDB-T-2F | CIBDT-4Cl | 11.650 | 18.980 | 0.677 | 0.875 | https://doi.org/10.1039/C9TA06311K |
| 829. | P3HT | ITIC | 1.500 | 5.200 | 0.522 | 0.550 | https://doi.org/10.1039/C9TA07361B |
| 830. | P3HT | ITIC-M | 2.300 | 9.800 | 0.525 | 0.450 | https://doi.org/10.1039/C9TA07361B |
| 831. | P3HT | O-IDTBR | 5.600 | 12.400 | 0.616 | 0.740 | https://doi.org/10.1039/C9TA07361B |
| 832. | P3HT | EH-IDTBR | 3.300 | 7.700 | 0.577 | 0.740 | https://doi.org/10.1039/C9TA07361B |
| 833. | P3HT | O-IDFBR | 4.200 | 6.900 | 0.675 | 0.900 | https://doi.org/10.1039/C9TA07361B |
| 834. | PBDB-T | CZTT-IC | 9.870 | 17.150 | 0.583 | 0.970 | https://doi.org/10.1039/C9TA08573D |
| 835. | PM6 | CZTT-IC | 7.020 | 12.650 | 0.505 | 1.070 | https://doi.org/10.1039/C9TA08573D |
| 836. | PBDB-T | CZTT-4F | 9.810 | 18.780 | 0.581 | 0.890 | https://doi.org/10.1039/C9TA08573D |

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| 837. | PM6 | CZTT-4F | 12.070 | 19.860 | 0.650 | 0.950 | https://doi.org/10.1039/C9TA08573D |
| 838. | PTB7-Th | EH-IDTBR | 10.070 | 15.250 | 0.620 | 1.020 | https://doi.org/10.1039/C9TA07919J |
| 839. | PTB7-Th | T2-ORH | 9.390 | 14.430 | 0.580 | 1.060 | https://doi.org/10.1039/C9TA07919J |
| 840. | PM6 | BP-4F | 10.900 | 19.800 | 0.590 | 0.910 | https://doi.org/10.1039/C9TA08636F |
| 841. | PM6 | BP-4F | 13.900 | 21.600 | 0.720 | 0.890 | https://doi.org/10.1039/C9TA08636F |
| 842. | PM6 | TTTIC | 10.510 | 17.320 | 0.627 | 0.940 | https://doi.org/10.1039/C9TA08328F |
| 843. | PM6 | TTTIC | 12.050 | 18.170 | 0.693 | 0.930 | https://doi.org/10.1039/C9TA08328F |
| 844. | PM6 | TSeTIC | 11.190 | 18.130 | 0.643 | 0.930 | https://doi.org/10.1039/C9TA08328F |
| 845. | PM6 | TSeTIC | 13.710 | 19.310 | 0.751 | 0.920 | https://doi.org/10.1039/C9TA08328F |
| 846. | PTQ10 | IT-4Cl | 12.120 | 19.330 | 0.705 | 0.890 | https://doi.org/10.1039/C9TA10887D |
| 847. | PTQ10 | IT-4Cl | 13.040 | 19.610 | 0.730 | 0.910 | https://doi.org/10.1039/C9TA10887D |
| 848. | PBDB-T | BTOPIC | 9.310 | 14.830 | 0.695 | 0.880 | https://doi.org/10.1039/C9TC01214A |
| 849. | PBDB-T | BT-IC | 10.760 | 17.720 | 0.701 | 0.850 | https://doi.org/10.1039/C9TC01214A |
| 850. | PBDB-T | ITIC | 10.200 | 16.770 | 0.688 | 0.870 | https://doi.org/10.1039/C9TC02781E |
| 851. | PBDD-CH | ITIC | 6.150 | 10.990 | 0.528 | 0.980 | https://doi.org/10.1039/C9TC02663K |
| 852. | PBDD-CH | ITIC | 8.210 | 13.640 | 0.602 | 0.950 | https://doi.org/10.1039/C9TC02663K |
| 853. | PBDD-CH-S | ITIC | 8.960 | 14.530 | 0.614 | 0.980 | https://doi.org/10.1039/C9TC02663K |
| 854. | PBDD-CH-S | ITIC | 9.630 | 14.730 | 0.658 | 0.960 | https://doi.org/10.1039/C9TC02663K |

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| 855. | PM7 | ITC6-IC | 5.850 | 11.580 | 0.474 | 1.019 | https://doi.org/10.1039/C9TC04798K |
| 856. | PM7 | ITC6-IC | 8.210 | 13.480 | 0.587 | 1.009 | https://doi.org/10.1039/C9TC04798K |
| 857. | PM7 | IT-4F | 10.240 | 18.030 | 0.633 | 0.880 | https://doi.org/10.1039/C9TC04798K |
| 858. | PM7 | IT-4F | 12.480 | 20.080 | 0.706 | 0.858 | https://doi.org/10.1039/C9TC04798K |
| 859. | PM7 | ITC6-4F | 12.100 | 19.620 | 0.635 | 0.960 | https://doi.org/10.1039/C9TC04798K |
| 860. | PM7 | ITC6-4F | 14.470 | 21.870 | 0.729 | 0.898 | https://doi.org/10.1039/C9TC04798K |
| 861. | PBDB-T | ITIC | 9.700 | 15.500 | 0.714 | 0.880 | https://doi.org/10.1039/C9TC05301H |
| 862. | PBDB-T-2F | BTP-4F | 15.400 | 25.200 | 0.770 | 0.800 | https://doi.org/10.1039/C9TC05301H |
| 863. | PBDB-T | ITIC | 11.150 | 16.800 | 0.725 | 0.916 | https://doi.org/10.1021/acs.jpcc.9b03515 |
| 864. | PBDB-T | IT-T-IC | 6.330 | 11.580 | 0.525 | 0.986 | https://doi.org/10.1002/marc.201900353 |
| 865. | PBDB-T | ITCT | 11.270 | 17.880 | 0.723 | 0.850 | https://doi.org/10.1002/marc.201900353 |
| 866. | PDB-1 | IT-4F | 0.210 | 0.850 | 0.200 | 1.000 | https://doi.org/10.1021/acs.macromol.9b01742 |
| 867. | PDB-1 | IT-4F | 5.680 | 11.500 | 0.460 | 0.890 | https://doi.org/10.1021/acs.macromol.9b01742 |
| 868. | PDB-2 | IT-4F | 2.120 | 7.410 | 0.200 | 0.900 | https://doi.org/10.1021/acs.macromol.9b01742 |
| 869. | PDB-2 | IT-4F | 11.820 | 18.510 | 0.630 | 0.890 | https://doi.org/10.1021/acs.macromol.9b01742 |
| 870. | PDB-3 | IT-4F | 8.870 | 16.120 | 0.510 | 0.900 | https://doi.org/10.1021/acs.macromol.9b01742 |
| 871. | PDB-3 | IT-4F | 11.190 | 17.710 | 0.700 | 0.850 | https://doi.org/10.1021/acs.macromol.9b01742 |

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| 872. | PTB7-Th | COi6-2Cl-d | 8.410 | 20.290 | 0.599 | 0.670 | https://doi.org/10.1039/C9QM00327D |
| 873. | PTB7-Th | COi6-2Cl-m | 9.220 | 20.440 | 0.631 | 0.690 | https://doi.org/10.1039/C9QM00327D |
| 874. | PTB7-Th | COi6-2Cl-g | 8.820 | 20.030 | 0.613 | 0.690 | https://doi.org/10.1039/C9QM00327D |
| 875. | PPN4T-2F | IT-4F | 6.660 | 13.320 | 0.571 | 0.870 | https://doi.org/10.1039/C9QM00622B |
| 876. | PPN4T-2F | IT-4F | 8.540 | 16.150 | 0.642 | 0.820 | https://doi.org/10.1039/C9QM00622B |
| 877. | PBDB-T | IEICF-DMOT | 13.010 | 21.980 | 0.662 | 0.870 | https://doi.org/10.1016/j.nanoen.2019.103934 |
| 878. | PBDB-T | IEICO-4F | 9.980 | 22.870 | 0.573 | 0.740 | https://doi.org/10.1016/j.nanoen.2019.103934 |
| 879. | PM6 | DPBDT-4Cl | 11.400 | 18.700 | 0.650 | 0.890 | https://doi.org/10.1016/j.nanoen.2019.104209 |
| 880. | PM6 | POBDT-4Cl | 12.600 | 20.700 | 0.670 | 0.870 | https://doi.org/10.1016/j.nanoen.2019.104209 |
| 881. | PM6 | COBDT-4Cl | 13.500 | 21.600 | 0.700 | 0.860 | https://doi.org/10.1016/j.nanoen.2019.104209 |
| 882. | PBDB-T | IT-M | 9.790 | 14.900 | 0.703 | 0.934 | https://doi.org/10.1016/j.orgel.2019.02.015 |
| 883. | PBDB-T | IT-M | 8.970 | 15.930 | 0.606 | 0.929 | https://doi.org/10.1016/j.orgel.2019.02.015 |
| 884. | PTB7-Th | O-IDTBR | 9.740 | 14.250 | 0.664 | 1.030 | https://doi.org/10.1016/j.orgel.2019.03.030 |
| 885. | PBDB-T | O-IDTBR | 6.990 | 10.800 | 0.648 | 1.000 | https://doi.org/10.1016/j.orgel.2019.03.030 |
| 886. | J71 | ITIC | 10.900 | 16.960 | 0.640 | 0.925 | https://doi.org/10.1016/j.orgel.2019.05.004 |
| 887. | PBDTTFTQ-DO | ITIC | 2.850 | 6.490 | 0.468 | 0.940 | https://doi.org/10.1016/j.orgel.2019.06.007 |

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|------|-------------|----------|--------|--------|-------|-------|---|
| 888. | PBDTTFTQ-DO | ITIC-Th | 2.760 | 6.650 | 0.424 | 0.980 | https://doi.org/10.1016/j.orgel.2019.06.007 |
| 889. | PBDTTFTQ-DO | ITIC-Th | 7.810 | 15.140 | 0.586 | 0.880 | https://doi.org/10.1016/j.orgel.2019.06.007 |
| 890. | PBDTTFTQ-DO | ITIC-Th1 | 5.760 | 10.560 | 0.620 | 0.880 | https://doi.org/10.1016/j.orgel.2019.06.007 |
| 891. | PBDTTFTQ-DO | ITIC-Th1 | 6.920 | 13.350 | 0.617 | 0.840 | https://doi.org/10.1016/j.orgel.2019.06.007 |
| 892. | J11 | Y10 | 11.370 | 19.760 | 0.626 | 0.920 | https://doi.org/10.1039/C9CP05015A |
| 893. | J11 | Y10 | 13.460 | 21.210 | 0.716 | 0.890 | https://doi.org/10.1039/C9CP05015A |
| 894. | PTPTI-T-BDD | ITIC | 2.730 | 7.440 | 0.371 | 0.950 | https://doi.org/10.1016/j.polymer.2019.12.1850 |
| 895. | PTPTI-T-FBT | ITIC | 6.030 | 14.800 | 0.416 | 0.980 | https://doi.org/10.1016/j.polymer.2019.12.1850 |
| 896. | J52 | DBTIC | 6.870 | 11.180 | 0.625 | 0.930 | https://doi.org/10.1016/j.polymer.2019.12.1976 |
| 897. | J52 | DBTIC | 8.640 | 13.550 | 0.661 | 0.930 | https://doi.org/10.1016/j.polymer.2019.12.1976 |
| 898. | PBDT-TPD | ITIC | 3.920 | 10.760 | 0.400 | 0.900 | https://doi.org/10.1016/j.reactfunctpolym.2019.10.4378 |
| 899. | PBDT-TPD | ITIC | 4.430 | 10.510 | 0.437 | 0.960 | https://doi.org/10.1016/j.reactfunctpolym.2019.10.4378 |
| 900. | PBDTT-TPD | ITIC | 4.970 | 12.100 | 0.429 | 0.940 | https://doi.org/10.1016/j.reactfunctpolym.2019.10.4378 |
| 901. | PBDTT-TPD | ITIC | 6.170 | 12.980 | 0.480 | 0.960 | https://doi.org/10.1016/j.reactfunctpolym.2019.10.4378 |
| 902. | PBDT-TPD | IDIC | 4.360 | 10.040 | 0.481 | 0.880 | https://doi.org/10.1016/j.reactfunctpolym.2019.10.4378 |

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|------|-----------|---------|--------|--------|-------|-------|---|
| 903. | PBDTT-TPD | IDIC | 7.150 | 14.470 | 0.552 | 0.890 | https://doi.org/10.1016/j.reactfunctpolym.2019.104378 |
| 904. | PBDB-T | IDIC | 8.470 | 15.620 | 0.684 | 0.790 | https://doi.org/10.1039/C9RA08092A |
| 905. | PBDB-T | IDIC | 9.190 | 17.350 | 0.680 | 0.770 | https://doi.org/10.1039/C9RA08092A |
| 906. | PBDB-T | NDIC | 7.920 | 13.350 | 0.683 | 0.870 | https://doi.org/10.1039/C9RA08092A |
| 907. | PBDB-T | NDIC | 9.430 | 15.100 | 0.696 | 0.900 | https://doi.org/10.1039/C9RA08092A |
| 908. | PTQ10 | IDIC | 10.010 | 16.850 | 0.601 | 0.987 | https://doi.org/10.1021/acsami.9b22666 |
| 909. | PTQ10 | IDIC | 11.860 | 17.420 | 0.702 | 0.952 | https://doi.org/10.1021/acsami.9b22666 |
| 910. | PTQ10 | ITIC | 9.250 | 15.940 | 0.537 | 1.035 | https://doi.org/10.1021/acsami.9b22666 |
| 911. | PTQ10 | ITIC | 10.900 | 17.300 | 0.593 | 1.026 | https://doi.org/10.1021/acsami.9b22666 |
| 912. | PTQ10 | IDTCN | 7.400 | 13.900 | 0.540 | 0.980 | https://doi.org/10.1002/enm.201800856 |
| 913. | PTQ10 | IDTPC | 12.200 | 17.500 | 0.746 | 0.930 | https://doi.org/10.1002/enm.201800856 |
| 914. | PTQ10 | ZITI-S | 7.060 | 11.800 | 0.589 | 0.965 | https://doi.org/10.1002/enm.201903298 |
| 915. | PTQ10 | ZITI-N | 10.690 | 16.970 | 0.647 | 0.958 | https://doi.org/10.1002/enm.201903298 |
| 916. | PTQ10 | IDIC | 12.400 | 20.200 | 0.630 | 0.970 | https://doi.org/10.1002/enm.202001149 |
| 917. | PTQ10 | BTP-Ph | 17.100 | 24.300 | 0.753 | 0.882 | https://doi.org/10.1002/enm.202100079 |
| 918. | PTQ10 | BTP-Th | 16.800 | 24.800 | 0.747 | 0.872 | https://doi.org/10.1002/enm.202100079 |
| 919. | PTQ10 | BTP-C11 | 16.400 | 24.700 | 0.741 | 0.852 | https://doi.org/10.1002/enm.202100079 |

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|------|----------|------------|--------|--------|-------|-------|---|
| 920. | PTQ7 | Y6 | 5.750 | 18.650 | 0.434 | 0.710 | https://doi.org/10.1002/adma.201905480 |
| 921. | PTQ8 | Y6 | 0.900 | 3.110 | 0.325 | 0.890 | https://doi.org/10.1002/adma.201905480 |
| 922. | PTQ9 | Y6 | 10.500 | 23.720 | 0.540 | 0.820 | https://doi.org/10.1002/adma.201905480 |
| 923. | PTQ10 | Y6 | 16.210 | 24.810 | 0.751 | 0.870 | https://doi.org/10.1002/adma.201905480 |
| 924. | PBNT-BDD | Y6-BO | 16.100 | 25.400 | 0.710 | 0.870 | https://doi.org/10.1002/anie.202016265 |
| 925. | PM6 | Y6-BO | 16.000 | 25.800 | 0.740 | 0.830 | https://doi.org/10.1002/anie.202016265 |
| 926. | PCTZ-B | Y6 | 11.900 | 19.800 | 0.682 | 0.867 | https://doi.org/10.1021/acsc.chemmater.0c03720 |
| 927. | PCTZ-B | Y6 | 12.900 | 21.700 | 0.691 | 0.850 | https://doi.org/10.1021/acsc.chemmater.0c03720 |
| 928. | PCTZ-B | Y6 | 12.600 | 21.600 | 0.676 | 0.843 | https://doi.org/10.1021/acsc.chemmater.0c03720 |
| 929. | PCTZ-B | Y6 | 12.000 | 20.800 | 0.665 | 0.841 | https://doi.org/10.1021/acsc.chemmater.0c03720 |
| 930. | PBDB-T | TACIC | 9.920 | 16.170 | 0.605 | 0.984 | https://doi.org/10.1039/C9SC06456G |
| 931. | PBDB-T | ITIC | 9.710 | 15.810 | 0.683 | 0.880 | https://doi.org/10.1039/C9SC06456G |
| 932. | PTQ10 | o-BTP-PhC6 | 16.000 | 22.500 | 0.743 | 0.920 | https://doi.org/10.1039/D0EE03506H |
| 933. | PTQ10 | m-BTP-PhC6 | 17.700 | 24.800 | 0.774 | 0.878 | https://doi.org/10.1039/D0EE03506H |
| 934. | PTQ10 | p-BTP-PhC6 | 17.100 | 24.300 | 0.753 | 0.882 | https://doi.org/10.1039/D0EE03506H |
| 935. | J71 | ITC6-IC | 11.320 | 18.350 | 0.658 | 0.938 | https://doi.org/10.1039/C8EE02560F |
| 936. | PTQ10 | IDIC | 11.750 | 18.710 | 0.669 | 0.939 | https://doi.org/10.1039/C8EE02560F |

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| 937. | J71 | MeIC | 10.570 | 18.370 | 0.634 | 0.908 | https://doi.org/10.1039/C8EE02560F |
| 938. | J71 | ITCPTC | 10.460 | 17.460 | 0.680 | 0.881 | https://doi.org/10.1039/C8EE02560F |
| 939. | J71 | ITIC | 10.950 | 18.060 | 0.658 | 0.930 | https://doi.org/10.1039/C8EE02560F |
| 940. | PTQ10 | IDIC-2F | 13.010 | 19.090 | 0.749 | 0.910 | https://doi.org/10.1039/C9EE02433F |
| 941. | PTQ10 | IDIC | 12.440 | 17.430 | 0.743 | 0.960 | https://doi.org/10.1039/C9EE02433F |
| 942. | PM6 | Y6 | 16.520 | 25.650 | 0.762 | 0.820 | https://doi.org/10.1039/C9EE02433F |
| 943. | PTQ10 | DF-OCIC | 3.680 | 6.510 | 0.541 | 1.040 | https://doi.org/10.1021/jacs.8b12126 |
| 944. | PTQ10 | HC-PCIC | 10.420 | 15.990 | 0.680 | 0.940 | https://doi.org/10.1021/jacs.8b12126 |
| 945. | PBDB-TF | HC-PCIC | 11.750 | 18.130 | 0.721 | 0.890 | https://doi.org/10.1021/jacs.8b12126 |
| 946. | PBDB-T | DF-OCIC | 8.430 | 15.280 | 0.619 | 0.890 | https://doi.org/10.1021/jacs.8b12126 |
| 947. | PBDB-T | FO-PCIC | 8.320 | 15.020 | 0.611 | 0.900 | https://doi.org/10.1021/jacs.8b12126 |
| 948. | PBDB-T | HC-PCIC | 9.030 | 17.530 | 0.691 | 0.730 | https://doi.org/10.1021/jacs.8b12126 |
| 949. | PTQ10 | TPT10 | 9.240 | 17.250 | 0.582 | 0.920 | https://doi.org/10.1021/jacs.9b09939 |
| 950. | PTQ11 | TPT10 | 16.320 | 24.790 | 0.748 | 0.880 | https://doi.org/10.1021/jacs.9b09939 |
| 951. | D18 | Y6 | 18.220 | 27.700 | 0.766 | 0.859 | https://doi.org/10.1016/j.scib.2020.01.001 |
| 952. | PTQ10 | TPTC | 1.360 | 3.870 | 0.367 | 0.960 | https://doi.org/10.1039/C8TA05920A |
| 953. | PTQ10 | TPTIC | 3.830 | 10.380 | 0.388 | 0.950 | https://doi.org/10.1039/C8TA05920A |
| 954. | PTQ10 | TPTIC | 10.420 | 17.170 | 0.675 | 0.900 | https://doi.org/10.1039/C8TA05920A |

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| 955. | PM6 | TPT10 | 13.550 | 21.230 | 0.686 | 0.877 | https://doi.org/10.1039/D0TA04941G |
| 956. | PM6 | TPT10 | 16.260 | 23.910 | 0.730 | 0.899 | https://doi.org/10.1039/D0TA04941G |
| 957. | PM6 | TPT10 | 15.180 | 23.730 | 0.695 | 0.877 | https://doi.org/10.1039/D0TA04941G |
| 958. | PBDB-T | TPT10 | 10.860 | 22.030 | 0.621 | 0.754 | https://doi.org/10.1039/D0TA04941G |
| 959. | PBDB-T | TPT10 | 13.410 | 23.730 | 0.688 | 0.783 | https://doi.org/10.1039/D0TA04941G |
| 960. | PBDB-T | TPT10 | 12.600 | 21.530 | 0.683 | 0.813 | https://doi.org/10.1039/D0TA04941G |
| 961. | PTQ10 | TPT10 | 9.210 | 15.230 | 0.638 | 0.883 | https://doi.org/10.1039/D0TA04941G |
| 962. | PTQ10 | TPT10 | 13.140 | 21.150 | 0.662 | 0.890 | https://doi.org/10.1039/D0TA04941G |
| 963. | PTQ10 | TPT10 | 12.370 | 19.730 | 0.668 | 0.873 | https://doi.org/10.1039/D0TA04941G |
| 964. | PTQ10 | HO-IDIC-2F | 12.430 | 19.010 | 0.707 | 0.920 | https://doi.org/10.1039/D0TC01313G |
| 965. | PTQ10 | HO-IDIC-2F | 12.320 | 19.280 | 0.718 | 0.890 | https://doi.org/10.1039/D0TC01313G |
| 966. | PTQ10 | TPD8 | 10.400 | 18.200 | 0.630 | 0.910 | https://doi.org/10.1039/D0TC04601A |
| 967. | PTQ10 | ZITI-C | 13.130 | 20.110 | 0.689 | 0.930 | https://doi.org/10.1021/acs.jpcc.0c05654 |
| 968. | PTQ10 | ZITI-N | 7.390 | 11.880 | 0.577 | 0.930 | https://doi.org/10.1021/acs.jpcc.0c05654 |
| 969. | PM6 | Y6 | 15.370 | 25.220 | 0.725 | 0.840 | https://doi.org/10.1016/j.joule.2019.12.004 |
| 970. | PM6 | Y6-2Cl | 15.380 | 25.670 | 0.707 | 0.847 | https://doi.org/10.1016/j.joule.2019.12.004 |
| 971. | PTQ10 | Y6 | 13.620 | 22.620 | 0.703 | 0.855 | https://doi.org/10.1016/j.joule.2019.12.004 |
| 972. | PM6 | Y6-C2 | 15.590 | 25.760 | 0.717 | 0.844 | https://doi.org/10.1016/j.joule.2019.12.004 |

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|------|----------|-------|--------|--------|-------|-------|---|
| 973. | PM6 | Y6 | 15.500 | 25.400 | 0.702 | 0.840 | https://doi.org/10.1021/a cs.nanolett.0 c05045 |
| 974. | PTQ10 | Y6 | 15.000 | 24.900 | 0.693 | 0.860 | https://doi.org/10.1021/a cs.nanolett.0 c05045 |
| 975. | PM7 | Y1-4F | 14.000 | 25.400 | 0.656 | 0.830 | https://doi.org/10.1021/a cs.nanolett.0 c05045 |
| 976. | PTQ10 | Y1-4F | 6.900 | 15.300 | 0.528 | 0.850 | https://doi.org/10.1021/a cs.nanolett.0 c05045 |
| 977. | PTQ10 | IDIC | 10.410 | 15.700 | 0.649 | 0.995 | https://doi.org/10.1038/s 41467-018- 03207-x |
| 978. | PTQ10 | IDIC | 11.650 | 16.610 | 0.716 | 0.962 | https://doi.org/10.1038/s 41467-018- 03207-x |
| 979. | PTQ10 | IDIC | 12.700 | 17.440 | 0.733 | 0.962 | https://doi.org/10.1038/s 41467-018- 03207-x |
| 980. | PTQ10 | IDIC | 12.130 | 19.690 | 0.636 | 0.960 | https://doi.org/10.1038/s 41467-018- 03207-x |
| 981. | PTQ10 | Y6 | 15.470 | 25.400 | 0.699 | 0.866 | https://doi.org/10.1007/s 11426-019- 9599-1 |
| 982. | PTQ10 | Y6 | 16.530 | 26.640 | 0.746 | 0.828 | https://doi.org/10.1007/s 11426-019- 9599-1 |
| 983. | PTQ10 | IDIC | 13.190 | 18.620 | 0.738 | 0.960 | https://doi.org/10.1007/s 11426-019- 9599-1 |
| 984. | PBDTTzH | IT-4F | 2.150 | 6.590 | 0.410 | 0.770 | https://doi.org/10.1002/a dfm.202011 168 |
| 985. | PBDTTzEH | IT-4F | 10.100 | 16.260 | 0.650 | 0.930 | https://doi.org/10.1002/a dfm.202011 168 |
| 986. | PBDTTzEH | IT-4F | 3.970 | 7.810 | 0.510 | 0.950 | https://doi.org/10.1002/a dfm.202011 168 |
| 987. | PBDTTzHD | IT-4F | 2.340 | 5.800 | 0.380 | 0.970 | https://doi.org/10.1002/a dfm.202011 168 |
| 988. | PM6 | Y6 | 17.720 | 26.810 | 0.767 | 0.862 | https://doi.org/10.1002/anie.202202177 |

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|------|---------|------------|--------|--------|-------|-------|---|
| 989. | PTB7-Th | ITIC | 4.520 | 11.610 | 0.510 | 0.760 | https://doi.org/10.1016/j.orgel.2020.105893 |
| 990. | PBDB-T | Y6 | 9.550 | 24.330 | 0.577 | 0.680 | http://dx.doi.org/10.1016/j.nanoen.2021.105862 |
| 991. | P1 | IT-4F | 8.800 | 21.600 | 0.550 | 0.740 | https://doi.org/10.1016/j.synthmet.2020.116508 |
| 992. | PM6 | F-EH-2F | 12.080 | 17.710 | 0.705 | 0.963 | http://dx.doi.org/10.1016/j.orgel.2022.106541 |
| 993. | PM6 | FOEH-2F | 14.530 | 22.810 | 0.733 | 0.869 | http://dx.doi.org/10.1016/j.orgel.2022.106541 |
| 994. | D18 | FOEH-2F | 15.510 | 23.750 | 0.738 | 0.880 | http://dx.doi.org/10.1016/j.orgel.2022.106541 |
| 995. | PBDB-T | m-INPOIC | 11.400 | 20.100 | 0.632 | 0.880 | http://dx.doi.org/10.1016/j.jecchem.2020.05.054 |
| 996. | PT2 | IT-BnC6-4F | 13.360 | 20.700 | 0.728 | 0.860 | http://dx.doi.org/10.1016/j.dyepig.2021.109706 |
| 997. | PT2 | IT-4F | 12.850 | 19.400 | 0.764 | 0.830 | http://dx.doi.org/10.1016/j.dyepig.2021.109706 |
| 998. | PM6 | Y6 | 15.380 | 24.870 | 0.724 | 0.855 | http://dx.doi.org/10.1002/sml.202107106 |
| 999. | PBDB-T | ITIC | 4.500 | 11.020 | 0.466 | 0.783 | http://dx.doi.org/10.1016/j.solener.2021.12.052 |

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|-------|---------|-----------|--------|--------|-------|-------|---|
| 1000. | PBT1-C | TPT-IN | 8.910 | 14.010 | 0.714 | 0.876 | http://dx.doi.org/10.1016/j.jec hem.2019.03.009 |
| 1001. | PBT1-C | SePT-IN | 10.200 | 16.010 | 0.733 | 0.847 | http://dx.doi.org/10.1016/j.jec hem.2019.03.009 |
| 1002. | P3HT | O-IDTBR | 3.300 | 7.600 | 0.610 | 0.700 | http://dx.doi.org/10.3389/fenr g.2021.741288 |
| 1003. | PTB7-Th | DTC-T-F | 8.800 | 17.460 | 0.646 | 0.780 | http://dx.doi.org/10.1016/j.org el.2020.106026 |
| 1004. | PTB7-Th | DTC-F-F | 7.530 | 16.010 | 0.560 | 0.840 | http://dx.doi.org/10.1016/j.org el.2020.106026 |
| 1005. | PTB7-Th | DTC-F-C | 2.700 | 8.940 | 0.408 | 0.740 | http://dx.doi.org/10.1016/j.org el.2020.106026 |
| 1006. | PM6 | BDTN-BF | 11.540 | 20.200 | 0.609 | 0.920 | http://dx.doi.org/10.1021/acsa mi.9b22093 |
| 1007. | J52 | UF-Qx-2F | 10.540 | 21.640 | 0.611 | 0.780 | http://dx.doi.org/10.1016/j.cej.2021.131473 |
| 1008. | J52 | UF-Qx-2cl | 10.810 | 22.710 | 0.623 | 0.760 | http://dx.doi.org/10.1016/j.cej.2021.131473 |
| 1009. | PBDB-T | X94FIC | 7.080 | 14.670 | 0.661 | 0.730 | http://dx.doi.org/10.1016/j.org el.2020.105662 |
| 1010. | PBDB-T | X9IC | 6.290 | 11.460 | 0.639 | 0.860 | http://dx.doi.org/10.1016/j.org el.2020.105662 |

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|-------|------------|----------|--------|--------|-------|-------|---|
| 1011. | PBDB-T | X9Rd | 2.480 | 6.700 | 0.341 | 1.080 | http://dx.doi.org/10.1016/j.orgel.2020.105662 |
| 1012. | PBDB-T | X9T4FIC | 3.220 | 7.010 | 0.541 | 0.850 | http://dx.doi.org/10.1016/j.orgel.2020.105662 |
| 1013. | PE71 | Y6 | 12.030 | 21.780 | 0.650 | 0.820 | http://dx.doi.org/10.1007/s11426-020-9777-1 |
| 1014. | PE72 | Y6 | 9.740 | 18.510 | 0.610 | 0.850 | http://dx.doi.org/10.1007/s11426-020-9777-1 |
| 1015. | PBDB-T-SF | IT-4F | 9.530 | 22.390 | 0.541 | 0.786 | http://dx.doi.org/10.1021/acscami.9b20857 |
| 1016. | D18 | BTP-eC11 | 16.600 | 25.800 | 0.722 | 0.860 | http://dx.doi.org/10.1007/s11426-021-1128-1 |
| 1017. | D18 | N3 | 17.000 | 26.400 | 0.718 | 0.840 | http://dx.doi.org/10.1007/s11426-021-1128-1 |
| 1018. | PBDB-T-H | Y6 | 9.940 | 20.650 | 0.600 | 0.790 | http://dx.doi.org/10.1021/acscami.9b22275 |
| 1019. | PBDB-T-Br | Y6 | 13.200 | 25.260 | 0.650 | 0.790 | http://dx.doi.org/10.1021/acscami.9b22275 |
| 1020. | PBDB-T-OMe | Y6 | 12.750 | 24.200 | 0.700 | 0.760 | http://dx.doi.org/10.1021/acscami.9b22275 |
| 1021. | PBDB-T-T | Y6 | 12.460 | 24.420 | 0.640 | 0.780 | http://dx.doi.org/10.1021/acscami.9b22275 |

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|-------|------------|-----------|--------|--------|-------|-------|---|
| 1022. | PBDB-T | i-cc23 | 7.340 | 11.100 | 0.595 | 1.090 | http://dx.doi.org/10.1021/acscami.0c03842 |
| 1023. | PBDB-T | i-cc34 | 9.510 | 15.460 | 0.630 | 0.960 | http://dx.doi.org/10.1021/acscami.0c03842 |
| 1024. | PBDB-T | i-IEICO | 8.790 | 14.670 | 0.596 | 1.010 | http://dx.doi.org/10.1021/acscami.0c03842 |
| 1025. | PM6 | DTBCIC-F | 11.660 | 19.150 | 0.679 | 0.910 | http://dx.doi.org/10.1021/acscampm.1c01406 |
| 1026. | PM6 | DTBCIC-Cl | 12.710 | 20.400 | 0.694 | 0.890 | http://dx.doi.org/10.1021/acscampm.1c01406 |
| 1027. | PBDB-TF | IT-4F | 10.180 | 17.900 | 0.628 | 0.910 | http://dx.doi.org/10.1016/j.apusc.2021.151120 |
| 1028. | PBDB-T-2Cl | IT-4F | 10.040 | 19.480 | 0.647 | 0.800 | http://dx.doi.org/10.1016/j.orgel.2021.106139 |
| 1029. | PTB7-Th | IEICO-4F | 10.900 | 24.400 | 0.640 | 0.700 | https://sci-hub.st/10.1002/solr.202100592 |
| 1030. | PBDB-T-H | Y6 | 9.050 | 20.710 | 0.530 | 0.800 | http://dx.doi.org/10.1007/s10118-020-2490-y |
| 1031. | PBDB-T-I | Y6 | 12.630 | 24.420 | 0.660 | 0.760 | http://dx.doi.org/10.1007/s10118-020-2490-y |
| 1032. | PBDB-T-OAc | Y6 | 12.590 | 25.570 | 0.610 | 0.790 | http://dx.doi.org/10.1007/s10118-020-2490-y |

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|-------|---------|-----------|--------|--------|-------|-------|---|
| 1033. | PBDB-T | IT-SM | 7.930 | 15.150 | 0.590 | 0.840 | http://dx.doi.org/10.1016/j.dyepig.2021.109987 |
| 1034. | PBDB-T | IT-DSM | 5.650 | 12.540 | 0.490 | 0.880 | http://dx.doi.org/10.1016/j.dyepig.2021.109987 |
| 1035. | PBDS-T | BTP-eC9 | 14.600 | 23.800 | 0.690 | 0.860 | http://dx.doi.org/10.1016/j.cej.2022.134878 |
| 1036. | PM6 | Y6-eC6-HD | 13.740 | 21.120 | 0.732 | 0.870 | http://dx.doi.org/10.1016/j.chemphys.2021.111172 |
| 1037. | PTB7-Th | 6-IFIC | 9.740 | 22.350 | 0.614 | 0.690 | http://dx.doi.org/10.1021/acsaami.1c13404 |
| 1038. | PTB7-Th | 6-IF2F | 11.200 | 24.690 | 0.678 | 0.650 | http://dx.doi.org/10.1021/acsaami.1c13404 |
| 1039. | PTB7-Th | 6-IF4F | 10.460 | 25.210 | 0.679 | 0.590 | http://dx.doi.org/10.1021/acsaami.1c13404 |
| 1040. | PTB7-Th | IEICO-4F | 10.750 | 22.150 | 0.620 | 0.710 | http://dx.doi.org/10.1021/acsaami.2c03340 |
| 1041. | PM6 | NCIC | 10.320 | 17.530 | 0.667 | 0.879 | http://dx.doi.org/10.1016/j.solmat.2021.111046 |
| 1042. | PM6 | NOCIC | 9.890 | 16.220 | 0.670 | 0.907 | http://dx.doi.org/10.1016/j.solmat.2021.111046 |
| 1043. | PBDB-T | IT-4F | 11.260 | 19.790 | 0.677 | 0.840 | http://dx.doi.org/10.1016/j.org |

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| | | | | | | | e1.2022.106495 |
| 1044. | PM6 | Y3 | 13.760 | 24.100 | 0.664 | 0.810 | http://dx.doi.org/10.1007/s11426-020-9747-9 |
| 1045. | PM6 | Y11 | 15.650 | 24.620 | 0.733 | 0.840 | http://dx.doi.org/10.1007/s11426-020-9747-9 |
| 1046. | PM6 | Y18 | 16.370 | 24.910 | 0.764 | 0.840 | http://dx.doi.org/10.1007/s11426-020-9747-9 |
| 1047. | PBDT-AFBT | IDTCN-O | 12.330 | 21.480 | 0.657 | 0.860 | http://dx.doi.org/10.1021/acscami.0c17571 |
| 1048. | PBDT-AFBT | ITOIC-2F | 11.500 | 20.720 | 0.629 | 0.869 | http://dx.doi.org/10.1021/acscami.0c17571 |
| 1049. | PBDT-AFBT | IEICO-4F | 9.400 | 22.920 | 0.545 | 0.744 | http://dx.doi.org/10.1021/acscami.0c17571 |
| 1050. | PTQ10 | BTP-Fu | 4.800 | 14.500 | 0.401 | 0.802 | http://dx.doi.org/10.1016/j.cej.2022.135998 |
| 1051. | PTQ10 | BTP-Th | 16.800 | 25.000 | 0.764 | 0.874 | http://dx.doi.org/10.1016/j.cej.2022.135998 |
| 1052. | PTQ10 | BTP-Se | 15.300 | 22.700 | 0.746 | 0.871 | http://dx.doi.org/10.1016/j.cej.2022.135998 |
| 1053. | PBDB-T | IDTT2OT | 6.460 | 12.080 | 0.556 | 0.920 | http://dx.doi.org/10.1016/j.synthmet.2021.116880 |

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| 1054. | PBDB-T | IDTT2OT-2F | 10.040 | 17.430 | 0.644 | 0.870 | http://dx.doi.org/10.1016/j.synthmet.2021.116880 |
| 1055. | PBDB-T | IDTT2OT-4F | 10.400 | 19.120 | 0.624 | 0.850 | http://dx.doi.org/10.1016/j.synthmet.2021.116880 |
| 1056. | PBDB-T | BCPDT-1 | 7.540 | 16.030 | 0.578 | 0.750 | http://dx.doi.org/10.1016/j.orgel.2021.106131 |
| 1057. | PBDB-T | BCPDT-2 | 10.650 | 19.010 | 0.670 | 0.810 | http://dx.doi.org/10.1016/j.orgel.2021.106131 |
| 1058. | PBDTTzBO | IT-4F | 5.230 | 12.960 | 0.477 | 0.847 | http://dx.doi.org/10.1021/acsaami.2c06077 |
| 1059. | PFBDTTzBO | IT-4F | 10.300 | 17.220 | 0.639 | 0.935 | http://dx.doi.org/10.1021/acsaami.2c06077 |
| 1060. | PFSBDTTzBO | IT-4F | 7.350 | 14.610 | 0.520 | 0.965 | http://dx.doi.org/10.1021/acsaami.2c06077 |
| 1061. | PBDB-T | IFL-ED-4F | 7.500 | 13.640 | 0.582 | 0.940 | http://dx.doi.org/10.1016/j.jechem.2021.05.032 |
| 1062. | PBDB-T | IDT-ED-4F | 10.400 | 22.140 | 0.530 | 0.880 | http://dx.doi.org/10.1016/j.jechem.2021.05.032 |
| 1063. | PBDB-T | IDTT-ED-2F | 1.500 | 5.100 | 0.318 | 0.910 | http://dx.doi.org/10.1016/j.jechem.2021.05.032 |
| 1064. | PM6 | BTP-BO-4Cl | 14.400 | 24.060 | 0.715 | 0.840 | http://dx.doi.org/10.1016/j.jechem.2021.05.032 |

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| 1065. | PBDB-T-SF | IT-4F | 11.500 | 18.710 | 0.690 | 0.830 | http://dx.doi.org/10.1039/d1ta01609a |
| 1066. | PCDTBT | MPU2 | 8.040 | 14.730 | 0.642 | 0.850 | https://doi.org/10.1016/j.solenar.2021.04.049 |
| 1067. | PCDTBT | MPU5 | 10.120 | 16.320 | 0.660 | 0.950 | https://doi.org/10.1016/j.solenar.2021.04.049 |
| 1068. | PM6 | Y6 | 15.890 | 25.690 | 0.719 | 0.860 | http://dx.doi.org/10.1021/acscami.1c11139 |
| 1069. | PBDB-T | TTC8-O1-4F | 10.750 | 21.550 | 0.582 | 0.842 | http://dx.doi.org/10.1021/acscami.0c05331 |
| 1070. | 7T-CNA | Y6 | 7.200 | 15.400 | 0.667 | 0.700 | http://dx.doi.org/10.1016/j.dyepig.2021.109592 |
| 1071. | PTQ-10 | BT-F | 8.260 | 16.990 | 0.593 | 0.820 | http://dx.doi.org/10.1016/j.orgel.2021.106132 |
| 1072. | PTQ-10 | BT-CI | 8.650 | 17.850 | 0.611 | 0.790 | http://dx.doi.org/10.1016/j.orgel.2021.106132 |
| 1073. | PBDB-T | BTCIC | 9.300 | 18.200 | 0.610 | 0.790 | http://dx.doi.org/10.1021/acscami.0c01850 |
| 1074. | PBDB-T | BTCIC-4CI | 10.200 | 22.600 | 0.670 | 0.630 | http://dx.doi.org/10.1021/acscami.0c01850 |
| 1075. | PBDBT-2CI | BTCIC-4CI | 10.500 | 20.800 | 0.630 | 0.750 | http://dx.doi.org/10.1021/acscami.0c01850 |

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| 1076. | PM6 | BTP-eC9 | 17.460 | 26.370 | 0.777 | 0.838 | http://dx.doi.org/10.1002/adma.202101733 |
| 1077. | PM6 | L8-BO-F | 16.820 | 23.070 | 0.763 | 0.932 | http://dx.doi.org/10.1002/adma.202101733 |
| 1078. | PBDB-T | ITIC-4F | 5.020 | 14.820 | 0.550 | 0.610 | http://dx.doi.org/10.1016/j.jmst.2020.02.054 |
| 1079. | PM6 | BT-BO-LIC | 9.600 | 18.410 | 0.560 | 0.900 | http://dx.doi.org/10.1002/aenm.202102172 |
| 1080. | PM6 | BT-BO-L2F | 14.130 | 23.140 | 0.681 | 0.870 | http://dx.doi.org/10.1002/aenm.202102172 |
| 1081. | PM6 | BT-BO-L4F | 16.810 | 27.620 | 0.705 | 0.830 | http://dx.doi.org/10.1002/aenm.202102172 |
| 1082. | P-FT | m-ITIC | 11.100 | 17.440 | 0.685 | 0.910 | http://dx.doi.org/10.1021/acscami.1c00327 |
| 1083. | P-FT | Y6 | 10.520 | 19.250 | 0.704 | 0.740 | http://dx.doi.org/10.1021/acscami.1c00327 |
| 1084. | P-CIT | m-ITIC | 11.590 | 16.700 | 0.716 | 0.920 | http://dx.doi.org/10.1021/acscami.1c00327 |
| 1085. | P-CIT | Y6 | 10.790 | 19.710 | 0.701 | 0.770 | http://dx.doi.org/10.1021/acscami.1c00327 |
| 1086. | P-P | m-ITIC | 7.910 | 16.250 | 0.563 | 0.800 | http://dx.doi.org/10.1021/acscami.1c00327 |

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| 1087. | P-P | Y6 | 8.220 | 24.200 | 0.543 | 0.616 | http://dx.doi.org/10.1021/acscami.1c00327 |
| 1088. | P-4FP | m-ITIC | 8.960 | 15.720 | 0.577 | 0.960 | http://dx.doi.org/10.1021/acscami.1c00327 |
| 1089. | P-4FP | Y6 | 13.220 | 22.610 | 0.703 | 0.800 | http://dx.doi.org/10.1021/acscami.1c00327 |
| 1090. | P3HT | BTA43 | 6.560 | 10.840 | 0.680 | 0.890 | http://dx.doi.org/10.1021/acscami.9b16662 |
| 1091. | P3HT | BTA53 | 6.310 | 11.570 | 0.620 | 0.880 | http://dx.doi.org/10.1021/acscami.9b16662 |
| 1092. | PM6 | PCPD-F | 9.030 | 13.600 | 0.722 | 0.920 | http://dx.doi.org/10.1016/j.dyepig.2022.110232 |
| 1093. | PM7 | PCPD-F | 8.260 | 12.410 | 0.708 | 0.950 | http://dx.doi.org/10.1016/j.dyepig.2022.110232 |
| 1094. | PM7 | PCPD-Cl | 6.770 | 13.820 | 0.570 | 0.860 | http://dx.doi.org/10.1016/j.dyepig.2022.110232 |
| 1095. | PBDBT-2F | IT-4F | 13.720 | 20.540 | 0.777 | 0.860 | http://dx.doi.org/10.1021/acscami.0c09123 |
| 1096. | PBDBT-2Cl | IT-4F | 14.050 | 21.520 | 0.759 | 0.860 | http://dx.doi.org/10.1021/acscami.0c09123 |
| 1097. | PBDBT-2F | Y6 | 16.090 | 26.220 | 0.749 | 0.820 | http://dx.doi.org/10.1021/acscami.0c09123 |

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| 1098. | PBDBT-SF | IT-4F | 12.940 | 20.320 | 0.723 | 0.880 | http://dx.doi.org/10.1021/acscami.0c09123 |
| 1099. | PBDBT | ITIC | 10.270 | 16.390 | 0.704 | 0.890 | http://dx.doi.org/10.1021/acscami.0c09123 |
| 1100. | P3HT | IDT-2 | 1.740 | 3.910 | 0.456 | 0.950 | http://dx.doi.org/10.3390/molecules27041229 |
| 1101. | 2TRA | O-IDTBR | 10.080 | 14.590 | 0.654 | 1.060 | http://dx.doi.org/10.1016/j.orgel.2020.105874 |
| 1102. | 2TRA | IEICO-4F | 12.100 | 23.740 | 0.700 | 0.730 | http://dx.doi.org/10.1016/j.orgel.2020.105874 |
| 1103. | 2TRR | IEICO-4F | 2.850 | 7.530 | 0.500 | 0.760 | http://dx.doi.org/10.1016/j.orgel.2020.105874 |
| 1104. | PM6 | ITIC | 8.400 | 15.300 | 0.556 | 0.950 | http://dx.doi.org/10.1021/acscami.9b20544 |
| 1105. | PM6 | ITCF3 | 13.300 | 20.700 | 0.754 | 0.840 | http://dx.doi.org/10.1021/acscami.9b20544 |
| 1106. | PBDB-T | SNC2C4-F | 4.250 | 10.990 | 0.442 | 0.850 | http://dx.doi.org/10.1016/j.dyepig.2021.109661 |
| 1107. | PBDB-T | SNC4C6-F | 10.710 | 18.370 | 0.658 | 0.870 | http://dx.doi.org/10.1016/j.dyepig.2021.109661 |
| 1108. | PBDB-T | SNC6C8-F | 9.250 | 16.490 | 0.615 | 0.890 | http://dx.doi.org/10.1016/j.dyepig.2021.109661 |

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| 1109. | PTB7-Th | BDTI | 8.540 | 19.090 | 0.621 | 0.720 | http://dx.doi.org/10.1016/j.jec hem.2020.03.058 |
| 1110. | PTB7-Th | BDTI-2F | 9.110 | 21.700 | 0.656 | 0.640 | http://dx.doi.org/10.1016/j.jec hem.2020.03.058 |
| 1111. | PTB7-Th | BDTI-4F | 7.960 | 20.120 | 0.649 | 0.610 | http://dx.doi.org/10.1016/j.jec hem.2020.03.058 |
| 1112. | PBDB-T | Py-2H | 5.130 | 10.640 | 0.478 | 1.010 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116904 |
| 1113. | PBDB-T | Py-2F | 9.730 | 15.440 | 0.682 | 0.920 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116904 |
| 1114. | PBDB-T-SF | IT-4F | 13.100 | 20.880 | 0.713 | 0.880 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116736 |
| 1115. | PBDB-TF | IT-4F | 13.200 | 20.810 | 0.760 | 0.840 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116736 |
| 1116. | PBDB-T-2Cl | IT-4F | 14.400 | 21.800 | 0.760 | 0.860 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116736 |
| 1117. | PBDB-TF | IDTN | 12.200 | 16.580 | 0.780 | 0.940 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116736 |
| 1118. | PBDB-T | ITIC | 11.220 | 16.800 | 0.740 | 0.900 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116736 |
| 1119. | PBDB-T | ITCT | 11.270 | 17.880 | 0.723 | 0.850 | http://dx.doi.org/10.1016/j.syn thmet.202 1.116736 |

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| 1120. | PBDB-T | ITCC | 11.400 | 15.900 | 0.710 | 1.010 | http://dx.doi.org/10.1016/j.synthmet.2021.116736 |
| 1121. | PBDB-T | IT-M | 11.480 | 20.510 | 0.700 | 0.800 | http://dx.doi.org/10.1016/j.synthmet.2021.116736 |
| 1122. | PBDB-T | IT-DM | 11.290 | 16.480 | 0.706 | 0.970 | http://dx.doi.org/10.1016/j.synthmet.2021.116736 |
| 1123. | PBDB-T | IT-M | 12.100 | 17.340 | 0.732 | 0.950 | http://dx.doi.org/10.1016/j.synthmet.2021.116736 |
| 1124. | PM7 | IT-4F | 10.930 | 18.560 | 0.634 | 0.902 | http://dx.doi.org/10.1016/j.orgel.2020.105871 |
| 1125. | PM7 | IT-4CL | 10.770 | 19.600 | 0.609 | 0.871 | http://dx.doi.org/10.1016/j.orgel.2020.105871 |
| 1126. | PBDB-T-2F | ITCC-Br | 10.700 | 16.200 | 0.649 | 0.990 | http://dx.doi.org/10.1016/j.orgel.2021.106357 |
| 1127. | PBDB-T-2F | IDTT-2F-Br | 12.100 | 18.400 | 0.687 | 0.940 | http://dx.doi.org/10.1016/j.orgel.2021.106357 |
| 1128. | PBDB-T-2Cl | ITCC-Br | 10.500 | 15.900 | 0.638 | 1.040 | http://dx.doi.org/10.1016/j.orgel.2021.106357 |
| 1129. | PBDB-T-2Cl | IDTT-2F-Br | 11.400 | 17.400 | 0.661 | 0.970 | http://dx.doi.org/10.1016/j.orgel.2021.106357 |
| 1130. | PTC8 | ITIC | 4.040 | 11.570 | 0.387 | 0.900 | http://dx.doi.org/10.1016/j.dyepig.2020.108987 |

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| 1131. | PTCO8 | ITIC | 5.910 | 14.330 | 0.415 | 0.990 | http://dx.doi.org/10.1016/j.dyepig.2020.108987 |
| 1132. | PTC01 | ITIC | 9.330 | 16.910 | 0.579 | 0.950 | http://dx.doi.org/10.1016/j.dyepig.2020.108987 |
| 1133. | PM6 | TB-4Cl | 14.450 | 23.200 | 0.746 | 0.835 | http://dx.doi.org/10.1021/acscami.1c02652 |
| 1134. | PM6 | PTIC-4Cl | 14.810 | 23.300 | 0.739 | 0.860 | http://dx.doi.org/10.1021/acscami.1c02652 |
| 1135. | PM6 | PT2IC-4Cl | 12.510 | 20.700 | 0.724 | 0.834 | http://dx.doi.org/10.1021/acscami.1c02652 |
| 1136. | PM6 | NITT-BF | 12.300 | 18.080 | 0.724 | 0.940 | http://dx.doi.org/10.1016/j.cej.2021.130618 |
| 1137. | PM6 | NITT-ThCl | 9.580 | 16.300 | 0.606 | 0.970 | http://dx.doi.org/10.1016/j.cej.2021.130618 |
| 1138. | PM6 | IT-BT-CN | 9.950 | 16.380 | 0.632 | 1.000 | http://dx.doi.org/10.1021/acscem.1c01872 |
| 1139. | PM6 | IT-BT-ICN | 10.980 | 17.540 | 0.699 | 0.870 | http://dx.doi.org/10.1021/acscem.1c01872 |
| 1140. | J101 | MeIC | 11.830 | 17.800 | 0.707 | 0.940 | http://dx.doi.org/10.1016/j.orgel.2020.105880 |
| 1141. | J101 | F-IXIC | 9.440 | 22.090 | 0.562 | 0.760 | http://dx.doi.org/10.1016/j.orgel.2020.105880 |

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| 1142. | J101 | CI-IXIC | 9.450 | 23.120 | 0.531 | 0.770 | http://dx.doi.org/10.1016/j.orgel.2020.105880 |
| 1143. | PE25 | BTA3 | 9.080 | 11.430 | 0.645 | 1.000 | http://dx.doi.org/10.1021/acsaami.1c14317 |
| 1144. | PE25 | F-BTA3 | 10.480 | 12.750 | 0.723 | 1.120 | http://dx.doi.org/10.1021/acsaami.1c14317 |
| 1145. | PE25 | CI-BTA3 | 10.750 | 13.560 | 0.722 | 1.080 | http://dx.doi.org/10.1021/acsaami.1c14317 |
| 1146. | PBDB-T | BDTIC | 9.900 | 18.600 | 0.610 | 0.870 | http://dx.doi.org/10.1007/s10118-020-2440-8 |
| 1147. | PBDB-T | ITIC | 10.220 | 16.800 | 0.708 | 0.861 | http://dx.doi.org/10.1021/acsaami.0c02862 |
| 1148. | PBDB-T | BTP-N | 11.970 | 24.870 | 0.644 | 0.748 | http://dx.doi.org/10.1016/j.cej.2021.132830 |
| 1149. | PBDB-T | BTP-S | 12.560 | 26.500 | 0.667 | 0.711 | http://dx.doi.org/10.1016/j.cej.2021.132830 |
| 1150. | PBDB-T | BTP-Se | 14.200 | 28.660 | 0.697 | 0.711 | http://dx.doi.org/10.1016/j.cej.2021.132830 |
| 1151. | PM6 | TTCO-4F | 10.590 | 19.310 | 0.676 | 0.817 | http://dx.doi.org/10.1007/s11426-020-9820-2 |
| 1152. | PM6 | TTC2-4F | 11.430 | 20.000 | 0.680 | 0.838 | http://dx.doi.org/10.1007/s11426-020-9820-2 |

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|-------|---------|-------------|--------|--------|-------|-------|---|
| 1153. | PM6 | TTC4-4F | 12.680 | 20.960 | 0.679 | 0.884 | http://dx.doi.org/10.1007/s11426-020-9820-2 |
| 1154. | PM6 | TTC6-4F | 13.240 | 21.650 | 0.684 | 0.890 | http://dx.doi.org/10.1007/s11426-020-9820-2 |
| 1155. | PM6 | TTC8-4F | 13.950 | 22.140 | 0.694 | 0.895 | http://dx.doi.org/10.1007/s11426-020-9820-2 |
| 1156. | PM6 | TTC10-4F | 13.200 | 22.160 | 0.655 | 0.899 | http://dx.doi.org/10.1007/s11426-020-9820-2 |
| 1157. | PM6 | TTC12-4F | 12.530 | 21.910 | 0.627 | 0.903 | http://dx.doi.org/10.1007/s11426-020-9820-2 |
| 1158. | PBDB-TF | BTIC-4Br | 7.510 | 20.330 | 0.412 | 0.870 | http://dx.doi.org/10.1002/advs.201903784 |
| 1159. | PBDB-TF | BTIC-BO-4Br | 14.030 | 23.810 | 0.655 | 0.860 | http://dx.doi.org/10.1002/advs.201903784 |
| 1160. | PBDB-TF | BTIC-2Br-m | 16.110 | 23.770 | 0.713 | 0.880 | http://dx.doi.org/10.1002/advs.201903784 |
| 1161. | PM6 | 2T2Se-F | 12.170 | 20.630 | 0.669 | 0.875 | http://dx.doi.org/10.1016/j.cej.2021.132298 |
| 1162. | PTB7-Th | IOTIC-4F | 10.200 | 20.500 | 0.680 | 0.720 | http://dx.doi.org/10.1002/aenm.202001203 |
| 1163. | PTB7-Th | IOTIC-2F | 7.200 | 14.800 | 0.600 | 0.790 | http://dx.doi.org/10.1002/aenm.202001203 |

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|-------|---------|----------|--------|--------|-------|-------|---|
| 1164. | PTB7-Th | IOTIC | 6.000 | 10.700 | 0.600 | 0.880 | http://dx.doi.org/10.1002/aenm.202001203 |
| 1165. | PM6 | BZ4F-5 | 12.860 | 21.120 | 0.694 | 0.840 | http://dx.doi.org/10.1002/adfm.202101627 |
| 1166. | PM6 | BZ4F-6 | 15.140 | 23.230 | 0.748 | 0.860 | http://dx.doi.org/10.1002/adfm.202101627 |
| 1167. | PM6 | BZ4F-7 | 16.170 | 25.060 | 0.762 | 0.840 | http://dx.doi.org/10.1002/adfm.202101627 |
| 1168. | B1 | BO-4Cl | 15.300 | 24.810 | 0.730 | 0.820 | http://dx.doi.org/10.1007/s40843-020-1269-9 |
| 1169. | BTR | BO-4Cl | 10.400 | 17.910 | 0.660 | 0.830 | http://dx.doi.org/10.1007/s40843-020-1269-9 |
| 1170. | PBDB-T | DFB-dIDT | 6.710 | 15.570 | 0.486 | 0.860 | http://dx.doi.org/10.1016/j.solener.2020.01.032 |
| 1171. | PBDB-T | BT-dIDT | 10.520 | 18.590 | 0.646 | 0.870 | http://dx.doi.org/10.1016/j.solener.2020.01.032 |
| 1172. | TTC-F | BTA5 | 9.810 | 12.210 | 0.650 | 1.220 | http://dx.doi.org/10.1021/acsaami.2c07251 |
| 1173. | TTC-F | F-BTA5 | 10.570 | 13.930 | 0.670 | 1.130 | http://dx.doi.org/10.1021/acsaami.2c07251 |
| 1174. | TTC-Cl | BTA5 | 8.650 | 10.660 | 0.640 | 1.250 | http://dx.doi.org/10.1021/acsaami.2c07251 |

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|-------|--------|-------------|--------|--------|-------|-------|---|
| 1175. | TTC-Cl | F-BTA5 | 10.980 | 13.380 | 0.700 | 1.170 | http://dx.doi.org/10.1021/acscami.2c07251 |
| 1176. | PM6 | BTP | 8.800 | 16.200 | 0.560 | 0.950 | http://dx.doi.org/10.1021/acscami.0c16389 |
| 1177. | PM6 | BTP-4Cl | 14.500 | 24.900 | 0.674 | 0.840 | http://dx.doi.org/10.1021/acscami.0c16389 |
| 1178. | J52 | i-IEICO-2Cl | 11.450 | 19.500 | 0.667 | 0.884 | http://dx.doi.org/10.1021/acscem.1c02608 |
| 1179. | J52 | i-IECO-4Cl | 12.160 | 21.220 | 0.688 | 0.850 | http://dx.doi.org/10.1021/acscem.1c02608 |
| 1180. | PM6 | F8IDT-Br | 9.700 | 14.600 | 0.678 | 0.980 | http://dx.doi.org/10.1021/acscem.1c00369 |
| 1181. | PM6 | C8IDT-Br | 9.850 | 15.660 | 0.648 | 0.970 | http://dx.doi.org/10.1021/acscem.1c00369 |
| 1182. | BTR | Y6 | 11.880 | 22.600 | 0.628 | 0.837 | http://dx.doi.org/10.1021/acscem.1c00617 |
| 1183. | PSTz1 | Y6 | 12.100 | 20.700 | 0.690 | 0.840 | http://dx.doi.org/10.1021/acscami.1c17199 |
| 1184. | POTz1 | Y6 | 12.000 | 21.000 | 0.680 | 0.840 | http://dx.doi.org/10.1021/acscami.1c17199 |
| 1185. | PNBTz1 | Y6 | 14.000 | 23.800 | 0.700 | 0.840 | http://dx.doi.org/10.1021/acscami.1c17199 |

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|-------|---------|----------------------------|--------|--------|-------|-------|---|
| 1186. | PBDBT | CNDTBT- C8IDT- INCN | 11.220 | 18.930 | 0.666 | 0.863 | http://dx.doi.org/10.1021/acscami.0c13277 |
| 1187. | PBDBT | CNDTBT- C8IDT- FINCN | 12.330 | 21.810 | 0.700 | 0.793 | http://dx.doi.org/10.1021/acscami.0c13277 |
| 1188. | PBDB-T | BCDT-4F | 9.650 | 18.330 | 0.650 | 0.800 | http://dx.doi.org/10.1021/acscami.0c00837 |
| 1189. | PBDB-T | BCDT-4Cl | 12.100 | 23.340 | 0.650 | 0.770 | http://dx.doi.org/10.1021/acscami.0c00837 |
| 1190. | PBDB-TF | IT-4F | 13.700 | 20.200 | 0.789 | 0.858 | http://dx.doi.org/10.1021/acscami.0c05172 |
| 1191. | PBDB-TF | BTP-4Cl | 16.500 | 25.500 | 0.760 | 0.850 | http://dx.doi.org/10.1021/acscami.0c05172 |
| 1192. | PE31 | BTA5 | 10.080 | 13.620 | 0.656 | 1.100 | http://dx.doi.org/10.1021/acscami.1c03757 |
| 1193. | PE32 | BTA5 | 7.400 | 11.550 | 0.570 | 1.080 | http://dx.doi.org/10.1021/acscami.1c03757 |
| 1194. | PE33 | BTA5 | 8.990 | 12.590 | 0.603 | 1.140 | http://dx.doi.org/10.1021/acscami.1c03757 |
| 1195. | J52-Cl | BTA5 | 8.640 | 11.290 | 0.619 | 1.200 | http://dx.doi.org/10.1021/acscami.1c03757 |
| 1196. | PM6 | BDTBO-4F | 14.830 | 22.950 | 0.728 | 0.860 | http://dx.doi.org/10.1021/acscami.0c19033 |

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|-------|------|-----------|--------|--------|-------|-------|---|
| 1197. | PM6 | BDTBO-4Cl | 13.870 | 22.800 | 0.705 | 0.830 | http://dx.doi.org/10.1021/acscami.0c19033 |
| 1198. | P3HT | TTDTC-0F | 4.780 | 9.900 | 0.638 | 0.690 | http://dx.doi.org/10.1021/acscami.1c21089 |
| 1199. | P3HT | TTDTC-2F | 6.610 | 15.800 | 0.613 | 0.600 | http://dx.doi.org/10.1021/acscami.1c21089 |
| 1200. | P3HT | TTDTC-4F | 7.620 | 22.100 | 0.601 | 0.560 | http://dx.doi.org/10.1021/acscami.1c21089 |
| 1201. | PM6 | L8-BO | 18.500 | 26.320 | 0.803 | 0.877 | 10.1039/d2e00595f |
| 1202. | PM6 | BTP-H2 | 18.500 | 25.330 | 0.785 | 0.932 | 10.1039/d2e00595f |
| 1203. | D18 | L8-BO | 19.050 | 26.860 | 0.772 | 0.918 | 10.1002/adma.202204718 |
| 1204. | D18 | S9TBO-F | 17.170 | 28.190 | 0.749 | 0.838 | 10.1002/adma.202202089 |
| 1205. | D18 | BS3TSe-4F | 18.480 | 29.400 | 0.759 | 0.828 | 10.1002/adma.202202089 |
| 1206. | PM6 | Y-BO-FCI | 17.520 | 23.450 | 0.779 | 0.850 | 10.1039/d1e01832a |
| 1207. | PM6 | Y-Bo-FBr | 16.470 | 25.830 | 0.750 | 0.850 | 10.1039/d1e01832a |
| 1208. | PM6 | Y-BO-CIBr | 13.610 | 22.090 | 0.716 | 0.860 | 10.1039/d1e01832a |
| 1209. | PM6 | PY-V-y | 17.100 | 24.800 | 0.758 | 0.912 | 10.1002/adma.202200361 |
| 1210. | PM6 | PY-T-y | 16.100 | 24.100 | 0.719 | 0.929 | 10.1002/adma.202200361 |
| 1211. | PM6 | PY-2T-y | 15.300 | 23.500 | 0.699 | 0.933 | 10.1002/adma.202200361 |

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|-------|----------|------------------|--------|--------|-------|-------|--------------------------------------|
| 1212. | PBDTT | Y18-1F | 8.840 | 22.420 | 0.518 | 0.760 | 10.1002/a dma.2021 05483 |
| 1213. | PBDTT1Cl | Y18-1F | 17.100 | 27.700 | 0.713 | 0.870 | 10.1002/a dma.2021 05483 |
| 1214. | PBDTT2Cl | Y18-1F | 11.740 | 21.890 | 0.586 | 0.900 | 10.1002/a dma.2021 05483 |
| 1215. | PM6 | BTP-T-2Cl | 14.890 | 22.320 | 0.715 | 0.936 | 10.1002/adf m.20210861 4 |
| 1216. | PM6 | BTP-T-3Cl | 17.610 | 26.020 | 0.757 | 0.893 | 10.1002/adf m.20210861 4 |
| 1217. | PM6 | BTP-T- 4Cl-BO | 17.200 | 26.740 | 0.761 | 0.844 | 10.1002/adf m.20210861 4 |
| 1218. | PM6 | BTTPC-Br | 14.460 | 22.160 | 0.695 | 0.937 | 10.1002/adf m.20210861 4 |
| 1219. | PBDB-T | BTP-T-2Cl | 15.370 | 25.630 | 0.693 | 0.863 | 10.1002/adf m.20210861 4 |
| 1220. | PBDB-T | BTP-T-3Cl | 14.690 | 25.220 | 0.733 | 0.794 | 10.1002/adf m.20210861 4 |
| 1221. | PBDB-T | BTTPC-Br | 15.220 | 24.710 | 0.710 | 0.860 | 10.1002/adf m.20210861 4 |
| 1222. | P4T2F-HD | Y6 | 2.900 | 9.640 | 0.382 | 0.780 | 10.1002/adf m.20220114 2 |
| 1223. | P4T2F-HD | Y6-BO | 13.600 | 21.210 | 0.745 | 0.750 | 10.1002/adf m.20220114 2 |
| 1224. | P5TCN-2F | Y6 | 16.100 | 25.070 | 0.750 | 0.850 | 10.1002/adf m.20220114 2 |
| 1225. | P5TCN-2F | Y6-BO | 15.800 | 24.020 | 0.754 | 0.870 | 10.1002/adf m.20220114 2 |
| 1226. | D18 | L8-BO | 16.700 | 24.550 | 0.758 | 0.900 | 10.1016/j.na noen.2022.1 07538 |
| 1227. | PM6 | CH4 | 16.490 | 26.110 | 0.711 | 0.888 | 10.1002/ani e.20220958 0 |
| 1228. | PM6 | CH6 | 18.330 | 26.620 | 0.784 | 0.875 | 10.1002/ani e.20220958 0 |
| 1229. | L2 | N3 | 16.690 | 24.990 | 0.768 | 0.870 | 10.1039/d1t a10233h |

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|-------|------|----------|--------|--------|------------|-------|---------------------------------------|
| 1230. | L3 | N3 | 17.230 | 26.390 | 0.759 | 0.860 | 10.1039/d1t a10233h |
| 1231. | PBQ6 | m-THE | 18.510 | 26.610 | 0.790 | 0.880 | 10.1039/d2e e00430e |
| 1232. | PBQ6 | o-THE | 16.220 | 26.100 | 0.704 | 0.882 | 10.1039/d2e e00430e |
| 1233. | PM6 | YCF3 | 18.210 | 27.560 | 76.80 0 | 0.861 | 10.1021/acs energylett.2 c02140 |
| 1234. | PM6 | YCH3 | 15.530 | 25.450 | 0.700 | 0.872 | 10.1021/acs energylett.2 c02140 |
| 1235. | D18 | BTPIC-4F | 10.300 | 21.790 | 0.605 | 0.780 | 10.1002/ad ma.2022073 36 |
| 1236. | D18 | TTPIC-4F | 17.100 | 25.240 | 0.766 | 0.883 | 10.1002/ad ma.2022073 36 |
| 1237. | PM6 | Y6-IOBO | 18.020 | 25.130 | 0.771 | 0.930 | 10.1021/acs. chemmater. 2c02851 |
| 1238. | PM6 | Y6-IO | 16.810 | 25.510 | 0.735 | 0.900 | 10.1021/acs. chemmater. 2c02851 |
| 1239. | PM6 | QX | 14.900 | 24.150 | 0.744 | 0.829 | 10.1021/acs energylett.2 c01589 |
| 1240. | PM6 | QX-EH | 12.220 | 20.080 | 0.664 | 0.917 | 10.1021/acs energylett.2 c01589 |
| 1241. | PM6 | QX-TH | 11.280 | 18.830 | 0.631 | 0.949 | 10.1021/acs energylett.2 c01589 |
| 1242. | PM6 | QX-THF | 17.450 | 24.490 | 0.789 | 0.902 | 10.1021/acs energylett.2 c01589 |

Table S4 Brief description and categories of critical molecular descriptors

| Sr. No. | Descriptors | Description | Categories |
|---------|--------------|---|-----------------------------|
| 1. | SMR-VSA 1-10 | These descriptors utilize the MR contribution as well as area of surface contribution | 2D matrix-based descriptors |

| | | | |
|-----|--------------------------|---|------------------------------|
| 2. | PEOE-VSA 1-14 | The descriptors which used surface area of contribution and partial charges | P_VSA-like descriptors |
| 3. | MaxEstateIndex | Describe the maximum Estate index | Estate index descriptor |
| 4. | SlogP-VSA 1-12 | These descriptors use the contribution slog-P as well as surface area contribution | 2D matrix-based descriptors |
| 5. | Estate-VSA 1-11 | These utilize the indices Estate and contribution of surface-area | Hybrid Estate-VSA descriptor |
| 6. | PEOE-VSA 1-14 | These are the MOE-type descriptors. The partial charge or surface area contributions used for calculation | P_VSA-like descriptors |
| 7. | NumHAcceptor | Calculate the number of acceptor atoms in the H-bonds compound (N, O, and F) | Functional-group count |
| 8. | fr-C-O | These descriptors determine the quantity of carbonyl O in the compound | Atom-centered fragment |
| 9. | MinAbsEstateindex | Minimum absolute Estate index | Estate index descriptors |
| 10. | NumAliphaticHeterocycles | These are the descriptor which measure the number of aliphatic containing minimum one nonaromatic bond hydro-cycle for a molecule | Functional group count |
| 11. | NumAliphaticRings | These descriptors calculate the number of aliphatic rings for molecules | Functional group count |
| 12. | MinEStateIndex | Describe Minimum Estate index | State index descriptor |