

Rank (by $ \rho $)	feature	Spearman ρ (ZT)	$ \rho $
1	temperature(K)	0.4361	0.4361
2	MagpieData mode CovalentRadius	0.3047	0.3047
3	MagpieData avg_dev Electronegativity	-0.2970	0.2970
4	MagpieData mean CovalentRadius	0.2788	0.2788
5	MagpieData mean Number	0.2712	0.2712
6	MagpieData mean Row	0.2711	0.2711
7	MagpieData mean AtomicWeight	0.2595	0.2595
8	MagpieData mode Row	0.2573	0.2573
9	MagpieData maximum NdValence	0.2543	0.2543
10	MagpieData avg_dev CovalentRadius	-0.2453	0.2453
11	MagpieData mode Number	0.2420	0.2420
12	MagpieData mode AtomicWeight	0.2417	0.2417
13	MagpieData avg_dev NpValence	-0.2284	0.2284
14	MagpieData mode MeltingT	0.2282	0.2282
15	MagpieData avg_dev MeltingT	-0.2282	0.2282
16	MagpieData maximum NValence	0.2265	0.2265
17	MagpieData minimum CovalentRadius	0.2260	0.2260
18	MagpieData mode SpaceGroupNumber	0.2192	0.2192
19	MagpieData mode Electronegativity	-0.2125	0.2125
20	MagpieData avg_dev MendeleevNumber	-0.2106	0.2106
21	MagpieData mean Electronegativity	-0.2104	0.2104
22	MagpieData mean NdValence	0.2059	0.2059
23	MagpieData mean NValence	0.1988	0.1988
24	MagpieData mode NdValence	0.1825	0.1825
25	MagpieData maximum Electronegativity	-0.1764	0.1764
26	MagpieData mean SpaceGroupNumber	0.1738	0.1738
27	MagpieData maximum AtomicWeight	0.1719	0.1719
28	MagpieData avg_dev SpaceGroupNumber	-0.1714	0.1714
29	MagpieData maximum Number	0.1706	0.1706
30	MagpieData minimum MeltingT	0.1690	0.1690
31	MagpieData minimum GSvolume_pa	0.1689	0.1689
32	MagpieData mode GSvolume_pa	0.1602	0.1602
33	MagpieData range MeltingT	-0.1593	0.1593
34	MagpieData mean GSvolume_pa	0.1555	0.1555
35	MagpieData minimum Row	0.1549	0.1549
36	MagpieData maximum MendeleevNumber	0.1542	0.1542
37	MagpieData avg_dev Column	-0.1505	0.1505
38	MagpieData maximum Row	0.1488	0.1488
39	MagpieData range NValence	0.1453	0.1453
40	MagpieData mean MendeleevNumber	0.1408	0.1408
41	MagpieData avg_dev NdValence	-0.1400	0.1400
42	MagpieData minimum Number	0.1358	0.1358
43	MagpieData minimum AtomicWeight	0.1357	0.1357
44	MagpieData mode NValence	0.1342	0.1342
45	MagpieData avg_dev NdUnfilled	-0.1328	0.1328
46	MagpieData maximum NfValence	0.1313	0.1313
47	MagpieData range NfValence	0.1313	0.1313
48	MagpieData maximum MeltingT	-0.1283	0.1283
49	MagpieData avg_dev NfValence	0.1267	0.1267
50	MagpieData mean NdUnfilled	-0.1247	0.1247
51	MagpieData mean NfValence	0.1231	0.1231
52	MagpieData range SpaceGroupNumber	-0.1217	0.1217
53	MagpieData mode NpValence	-0.1215	0.1215
54	MagpieData minimum MendeleevNumber	0.1202	0.1202
55	MagpieData maximum GSmagmom	-0.1175	0.1175
56	MagpieData range GSmagmom	-0.1175	0.1175
57	MagpieData mode Column	-0.1174	0.1174
58	MagpieData minimum SpaceGroupNumber	0.1171	0.1171
59	MagpieData maximum NpUnfilled	0.1153	0.1153
60	MagpieData avg_dev GSmagmom	-0.1131	0.1131

61	MagpieData mean GSmagmom	-0.1121	0.1121
62	MagpieData range AtomicWeight	0.1113	0.1113
63	MagpieData range CovalentRadius	-0.1075	0.1075
64	MagpieData mode NsUnfilled	0.1070	0.1070
65	MagpieData maximum NdUnfilled	-0.1058	0.1058
66	MagpieData range NdUnfilled	-0.1058	0.1058
67	MagpieData range MendeleevNumber	-0.1028	0.1028
68	MagpieData minimum NValence	0.0998	0.0998
69	MagpieData range Electronegativity	-0.0969	0.0969
70	MagpieData range Number	0.0935	0.0935
71	MagpieData mode NsValence	-0.0931	0.0931
72	MagpieData avg_dev Row	-0.0901	0.0901
73	MagpieData range NpUnfilled	0.0892	0.0892
74	MagpieData avg_dev GSvolume_pa	-0.0874	0.0874
75	MagpieData mean NpUnfilled	0.0860	0.0860
76	MagpieData range Column	-0.0779	0.0779
77	MagpieData mean Column	0.0765	0.0765
78	MagpieData minimum Column	0.0715	0.0715
79	MagpieData maximum GSvolume_pa	0.0689	0.0689
80	MagpieData mode NpUnfilled	-0.0685	0.0685
81	MagpieData minimum NpUnfilled	0.0652	0.0652
82	MagpieData minimum NdValence	0.0646	0.0646
83	MagpieData minimum NpValence	0.0621	0.0621
84	MagpieData avg_dev NsValence	-0.0570	0.0570
85	MagpieData maximum CovalentRadius	0.0566	0.0566
86	MagpieData minimum GSbandgap	-0.0561	0.0561
87	MagpieData avg_dev NsUnfilled	-0.0553	0.0553
88	MagpieData range NsValence	-0.0550	0.0550
89	MagpieData minimum NsValence	0.0550	0.0550
90	MagpieData mode NfValence	0.0499	0.0499
91	MagpieData avg_dev AtomicWeight	0.0497	0.0497
92	MagpieData maximum SpaceGroupNumber	-0.0473	0.0473
93	MagpieData range NsUnfilled	-0.0471	0.0471
94	MagpieData maximum NsUnfilled	-0.0471	0.0471
95	MagpieData range NpValence	-0.0471	0.0471
96	MagpieData avg_dev NValence	0.0452	0.0452
97	MagpieData mean MeltingT	0.0435	0.0435
98	MagpieData minimum NUnfilled	0.0435	0.0435
99	MagpieData maximum NUnfilled	-0.0414	0.0414
100	MagpieData range GSbandgap	0.0394	0.0394
101	MagpieData avg_dev Number	0.0389	0.0389
102	MagpieData range NUnfilled	-0.0366	0.0366
103	MagpieData mode GSbandgap	-0.0343	0.0343
104	MagpieData range GSvolume_pa	-0.0323	0.0323
105	MagpieData mode NfUnfilled	-0.0308	0.0308
106	MagpieData mode NUnfilled	-0.0295	0.0295
107	MagpieData mean NsValence	0.0281	0.0281
108	MagpieData mode NdUnfilled	0.0277	0.0277
109	MagpieData avg_dev GSbandgap	-0.0272	0.0272
110	MagpieData avg_dev NpUnfilled	0.0271	0.0271
111	MagpieData mode GSmagmom	0.0267	0.0267
112	MagpieData mean NsUnfilled	-0.0265	0.0265
113	MagpieData mean GSbandgap	-0.0264	0.0264
114	MagpieData maximum GSbandgap	0.0238	0.0238
115	MagpieData avg_dev NUnfilled	-0.0206	0.0206
116	MagpieData range Row	-0.0174	0.0174
117	MagpieData mean NUnfilled	0.0159	0.0159
118	MagpieData mean NpValence	-0.0148	0.0148
119	MagpieData mean NfUnfilled	-0.0125	0.0125
120	MagpieData avg_dev NfUnfilled	-0.0124	0.0124
121	MagpieData range NfUnfilled	-0.0092	0.0092

122	MagpieData maximum NfUnfilled	-0.0092	0.0092
123	MagpieData maximum Column	-0.0080	0.0080
124	MagpieData maximum NpValence	-0.0080	0.0080
125	MagpieData minimum Electronegativity	0.0058	0.0058
126	MagpieData mode MendeleevNumber	0.0035	0.0035
127	MagpieData range NdValence	0.0025	0.0025
128	MagpieData minimum NfValence		
129	MagpieData maximum NsValence		
130	MagpieData minimum NfUnfilled		
131	MagpieData minimum NdUnfilled		
132	MagpieData minimum NsUnfilled		
133	MagpieData minimum GSmagmom		