|  |  |  |  |
| --- | --- | --- | --- |
| **Thermoelectric materials** | **zT** | **Temperature(K)** | **Ref.** |
| Sb2Te3 |
| Bi0.5Sb1.5Te3 | 1.86 | 320 | 1 |
| Bi0.4Sb1.6Te3 | 1.8 | 316 | 2 |
| Bi0.45Sb1.55Te3 | 1.75 | 270 | 3 |
| Bi2Te2.7Se0.3 | 1.23 | 480 | 4 |
| (Bi2Te3)0.2(Sb2Te3)0.8 | 1.27 | 363 | 5 |
| Bi2Te2.3Se0.7 | 1.2 | 445 | 6 |
| Bi0.3Sb1.7Te3 | 1.3 | 380 |
| Bi0.5Sb1.5Te3 | 1.5 | 323 | 7 |
| Bi0.5Sb1.5Te3 + 0.1 wt.% Cu | 1.35 | 400 | 8 |
| Bi0.5Sb1.5Te3 | 1.36 | 360 | 9 |
| Bi0.4Sb1.6Te3+ 1.5 wt% β-Zn4Sb3 | 1.44 | 423 | 10 |
| Bi0.4Sb1.6Te3 | 1.36 | 400 | 11 |
| Bi0.3Sb1.625In0.075Te3 | 1.4 | 500 | 12 |
| Bi0.5Sb1.5Te3 | 1.3 | 300 | 13 |
| Bi2Te2.86 | 1.1 | 420 | 14 |
| Bi2Te3 | 0.97 | 420 | 15 |
| Bi2Te2.41Se0.6 | 1.0 | 400 | 16 |
| Bi0.4Sb1.6Te3-ZnO | 1.5 | 360 | 17 |
| Bi2Te2.4Se0.6 | 1.07 | 338 | 18 |
| Bi2Te3 +2.0 vol% AgNPs | 0.77 | 475 | 19 |
| Bi0.36Sb1.64Te3+0.4vol.% RGO | 1.16 | 393 | 20 |
| 1 vol% Ti3C2T*x*/BST | 1.23 | 400 | 21 |
| Zintls |
| YbCd1.85Mn0.15Sb2 | 1.14 | 650 | 22 |
| Ca4.75Na0.25Al2Sb6 | 0.6 | 1050 | 23 |
| Sr3Ga0.93Zn0.07Sb3 | 0.9 | 1000 | 24 |
| Mg3Sb1.8Bi0.2 | 0.6 | 750 | 25 |
| Ca5Ga2As6 | 0.95 | 30 | 26 |
| YbZn0.4Cd1.6Sb2 | 1.26 | 700 | 27 |
| Yb0.99Zn2Sb2 | 0.85 | 773 | 28 |
| Yb14MgSb11 | 1.02 | 1075 | 29 |
| Mg3Sb1.8Bi0.2/GNS | 1.35 | 773 | 30 |
| Na2.19Ga2.19Sn3.81 | 1.4 | 386 | 31 |
| Mg3.2Sb1.5Bi0.49Te0.01 | 1.51 | 716 | 32 |
| Eu0.2Yb0.2Ca0.6Mg2Bi2 | 1.3 | 873 | 33 |
| Ca0.5Yb0.5Mg2Bi2 | 1.0 | 873 | 34 |
| Mg3.07Sb1.5Bi0.48Se0.02 | 1.23 | 725 | 35 |
| CaZn0.4Ag0.18Sb | 1.0 | 1073 | 36 |
| Mg3.175Mn0.025Sb1.5Bi0.49Te0.01 | 1.85 | 723 | 37 |
| Mg3.025Sb1.5Bi0.49Te0.01 | 1.6 | 770 | 38 |
| Eu2Zn0.98Sb2 | 1.0 | 823 | 39 |
| Mg3.2Pr0.02Sb1.5Bi0.5 | 1.70 | 725 | 40 |
| Ba0.7975Yb0.2Na0.0025Cd2Sb2 | 0.9 | 700 | 41 |
| Mg3.02Y0.02Sb1.5Bi0.5 | 1.8 | 773 | 42 |
| SnTe |
| SnTe+4.58% CdTe coating on grains | 1.9 | 929 | 43 |
| Sn0.86Mn0.14Te(Cu2Te)0.05Sn0.89Mn0.14Te(Cu2Te)0.05 | 1.6 | 925 | 44 |
|  Sn0.92Ca0.08In0.04Te | 1.65 | 840 | 45 |
| In0.0025Sn0.9975Te | 1.1 | 873 | 46 |
| SnBi2Te4 | 0.33 | 383 | 47 |
|  SnCd0.03Te-2%CdS | 1.3 | 873 | 48 |
| Sn0.98Bi0.02Te–3%HgTe | 1.35 | 910 | 49 |
| Sn0.88Mn0.12Te | 1.3 | 900 | 50 |
|  Sn0.97In0.015Cd0.015Te-3%CdS | 1.4 | 923 | 51 |
| Sn0.94Ca0.09Te | 1.35 | 873 | 52 |
| Sn0.915Mn0.11In0.005Te | 1.15 | 823 | 53 |
|  Sn0.93Cd0.04Te | 1.65 | 750 | 54 |
| Sn0.91Mg0.12Te(Cu2Te)0.05 | 1.4 | 900 | 55 |
|  Sn0.97Bi0.03Te-3% SrTe | 1.2 | 823 | 56 |
| Sn0.83Ge0.05Mn0.2Te(Cu2Te)0.05 | 1.9 | 900 | 57 |
|  (Sn0.74Ge0.2Pb0.1)0.75Mn0.275Te | 1.42 | 900 | 58 |
| Sn0.98Cd0.06Te0.88Se0.12 | 1.7 | 900 | 59 |
| Sn0.57Sb0.13Ge0.3Te | 1.6 | 721 | 60 |
| Sn1.03Te0.85Se0.075S0.075 - 2% Ag & 2% In | 1.3 | 854 | 61 |
| Sn0.48Cd0.02Ge0.25Pb0.25Te | 1.4 | 873 | 62 |
| SnTe-CdSe | 1.3 | 850 | 63 |
| (SnTe)0.9(CdSe)0.1 | 1.1 | 850 | 64 |
| Sn0.96In0.04Te–5% Cu1.75Se | 1.7 | 823 | 65 |
| (SnTe)2.94(In2Te3)0.02–(Cu2Te)0.18 | 1.55 | 873 | 66 |
| Sn0.98Pd0.025In0.025Te | 1.51 | 800 | 67 |
| SnTe + 10% MnO2 | 1.5 | 873 | 68 |
| Sn0.92Ge0.04Sb0.04Te–5% Cu2Te | 1.5 | 873 | 69 |
| PbTe |
| Na0.03Eu0.03Sn0.02Pb0.92Te | 2.6 | 850 | 70 |
| Pb0.98Na0.02Te + 8% SrTe | 2.5 | 923 | 71 |
| (PbTe)0.7(PbS)0.3 + 3% Na | 2.3 | 923 | 72 |
| PbTe0.85Se0.15 + 2% Na + 4% SrTe | 2.3 | 923 | 73 |
| PbTe0.7S0.3 + 2.5% K | 2.24 | 823 | 74 |
| Pb0.945Na0.025Eu0.03Te | 2.2 | 850 | 75 |
| PbTe0.8Se0.2+8% MgTe | 2.2 | 820 | 76 |
| (PbTe)0.86(PbSe)0.07(PbS)0.07+2% Na | 2.1 | 825 | 77 |
| Pb0.98Na0.02Te | 2.0 | 773 | 78 |
| PbBi0.002Te+15% Ag2Te | 2.0 | 773 | 79 |
| Pb0.953Na0.040Ge0.007Te | 1.9 | 805 | 80 |
| PbTe+12% PbS+2% Na | 1.8 | 800 | 81 |
| Pb0.98Na0.02Te0.85Se0.15 | 1.8 | 850 | 82 |
| Pb0.98Na0.02Te+4% SrTe+0.5vol SiC | 1.73 | 750 | 83 |
| Pb0.958Na0.012Cd0.03Te | 1.7 | 775 | 84 |
| Pb0.98K0.02Te0.15Se0.85 | 1.7 | 873 | 85 |
| (La0.028Pb0.972Te) 0.947 (Ag2Te) 0.053 | 1.5 | 775 | 86 |
| PbTe0.9988I0.0012 | 1.4  | 720 | 87 |
| PbTe-Na | 1.4 | 750 | 88 |
| PbTe-2% MgTe -2% Na2Te | 1.6 | 780 | 89 |
| PbTe-2% HgTe-1% Na2Te | 1.64 | 770 | 90 |
| PbTe/7% PbTe@C:Ag | 1.65 | 723 | 91 |
| Cu2Se |
| Cu2S0.52Te0.48 | 2.1 | 1000 | 92 |
| Cu1.97S | 1.7 | 1000 | 93 |
| Cu1.94Al0.02Se | 2.62 | 1029 | 94 |
| Cu2Se+1mol%In | 2.6 | 850 | 95 |
| Cu2Se + 0.15 wt% graphene | 2.44 | 870 | 96 |
| Cu2Se + 0.75 wt% CNTs | 2.4 | 1000 | 97 |
| Cu2Se + 0.1 wt% carbon-coated boron nanoparticle | 2.23 | 1000 | 98 |
| Cu1.98Li0.02Se | 2.14 | 973 | 99 |
| Nano-Cu2Se | 2.1 | 973 | 100 |
| Cu2Se + 0.05 wt% SiC | 2.0 | 850 | 101 |
| Cu2Se0.92S0.08 | 2.0 | 1000 | 102 |
| Cu2Se + 0.8 wt% carbon nanodots | 1.98 | 973 | 103 |
| Cu2Se | 1.9 | 1000 | 104 |
| Cu2Se + Ag2Se | 1.85 | 800 | 105 |
| Cu2Se | 1.82 | 850 | 106 |
| Cu2-*x*Se | 1.8 | 973 | 107 |
| Cu2Te + 50% Ag2Te | 1.8 | 1000 | 108 |
| Cu1.97Ag0.03Se | 1.0 | 400 | 109 |
| Cu2Se | 1.6 | 973 | 110 |
| Cu2Se | 1.2 | 900 | 111 |
| Cu2Se | 2.3 | 400 | 112 |
| Cu2Se | 0.38 | 750 | 113 |
| Cu2Se | 1.46 | 874 | 114 |
| SnSe |
| SnSe0.97Br0.03 | 2.8 | 773 | 115 |
| SnSe | 2.6 | 923 | 116 |
| (Sn0.95Pb0.05)0.99Na0.01Se | 2.5 | 773 | 117 |
| SnSe0.97Br0.03+12% PbSe | 2.4 | 723 | 118 |
| Sn0.97Na0.03Se0.9S0.1 | 2.3 | 773 | 119 |
| Sn0.94Bi0.06Se | 2.2 | 773 | 120 |
| Sn0.985Na0.015Se+2% SnSe2 | 2.2 | 773 | 121 |
| Sn0.98Pb0.01Zn0.01Se | 2.2 | 873 | 122 |
| SnSe0.95+3% PbBr2 | 2.1 | 770 | 123 |
| Sn0.98Na0.02Se0.98Te0.02 | 2.1 | 793 | 124 |
| Sn0.95Se | 2.1 | 873 | 125 |
| Sn0.97Ge0.03Se | 2.1 | 873 | 126 |
| Sn0.985Na0.015Se | 2.0 | 773 | 127 |
| Sn0.97Na0.03Se | 2.0 | 800 | 128 |
| Sn0.99Pb0.01Se+Se QDs | 2.0 | 873 | 129 |
| Sn0.99Pb0.01Se0.93S0.07 | 1.85 | 873 | 130 |
| Sn0.978Ag0.007S0.25Se0.75 | 1.75 | 823 | 131 |
| SnSe | 1.7 | 758 | 132 |
| Sn0.948Cd0.023Se | 1.7 | 823 | 133 |
| Nanoporous SnSe | 1.7 | 823 | 134 |
| Sn0.99Ag0.01Se0.85S0.15 | 1.7 | 823 | 135 |
| SnSe + 1% PbSe | 1.7 | 873 | 136 |
| Chalcopyrite |
| CuGaTe2 | 1.4 | 950 | 137 |
| AgGa0.93Te2 | 1.05 | 873 | 138 |
| Ag1.02InSe2 | 1.1 | 900 | 139 |
| Cu0.7Ag0.3Ga0.4In0.6Te2 | 1.64 | 873 | 140 |
| Cu0.7Ga0.3Te2 | 1.0 | 750 | 141 |
| Cu0.98GaSb0.02Te2 | 1.07 | 721 | 142 |
| CuGa0.36In0.64Te2 | 0.91 | 701 | 143 |
| CuGa0.99Mn0.01Te2 | 0.83 | 870 | 144 |
| CuGaTe2/3 vol% Cu2Se | 1.2 | 834 | 145 |
| (CuInTe2)0.99(2ZnTe)0.01 & 0.1% TiO2 NFs | 1.47 | 823 | 146 |
| Ag0.95GaTe2 | 0.77 | 850 | 147 |
| Cu0.89Ag0.2In0.91Te2 | 1.6 | 850 | 148 |
| Cu18Ga25Sb2.5Te47.5 | 1.2 | 854 | 149 |
| CuInTe2 | 1.18 | 850 | 150 |
| Cu0.9InTe2 | 0.54 | 710 | 151 |
| CuGaTe2 | 0.86 | 719 | 152 |
| Cu0.97Fe1.03S2 | 0.33 | 700 | 153 |
| Ag0.99In1.01Se2+1% mol Na | 0.74 | 800 | 154 |
| (Cu0.85Ag0.15InTe2)0.98(In2Te3)0.02 | 1.1 | 840 | 155 |
| CuGaTe2 | 1.0 | 900 | 156 |
| Cu2CoSnSe4 | 0.7 | 850 | 157 |
| Cu0.92Zn0.08FeS2 | 0.26 | 630 | 158 |
| Cu0.75Ag0.2InTe2 | 1.3 | 850 | 159 |
| Cu0.98In0.98Zn0.04Te2 | 0.69 | 737 | 160 |
| Ag0.9InZn0.1Se2 | 1.05 | 815 | 161 |
| (GeTe)5.5AgIn0.5Sb0.5Te2 | 0.75 | 573 | 162 |
| CuGaTe2 | 0.6 | 850 | 163 |
| Cu2.9Ga5Mn0.1Te9 | 0.81 | 804 | 164 |
| Cu0.8Ag0.2In3Se4.9Te0.1 | 0.5 | 930 | 165 |
| Cu1.95Sb0.05Ga4Te7 | 0.58 | 803 | 166 |
| Cu2.88Ga4Sb0.6Te8 | 1.51 | 870 | 167 |
| Cu3.3In4.7Ga0.3Te9 | 0.8 | 822 | 168 |
| Cu25Ga26Te49 | 0.6 | 750 | 169 |
| Cu(In0.25Ga0.75)0.99Zn0.01Te2 | 1.3 | 865 | 170 |
| Cu0.88Ag0.12FeS2 | 0.45 | 723 | 171 |
| CuGa0.98Fe0.02Te2 | 0.92 | 870 | 172 |
| Cu0.985Ni0.015InTe2 | 0.35 | 675 | 173 |
| CuGaTe2 | 1.0 | 840 | 174 |
| CuInTe2 + 6% ZnS | 1.52 | 823 | 175 |
| CuGaTe2 | 1.2 | 973 | 176 |
| CuInTe2+0.5% SnO2 | 1.1 | 823 | 177 |
| GeTe |
| Ge0.86Pb0.1Bi0.04Te | 2.4 | 600 | 178 |
| Ge0.95Bi0.05Te1.025 | 2.4 | 773 | 179 |
| (GeTe)17Sb2Te3 | 2.4 | 773 | 180 |
| Ge0.9Sb0.1Te | 2.35 | 800 | 181 |
| Ge0.89Sb0.1In0.01Te | 2.3 | 650 | 182 |
| Ge0.76Sb0.08Pb0.12Te | 2.3 | 800 | 183 |
| Ge0.87Pb0.13Te | 2.25 | 673 | 184 |
| (GeTe)0.937(Bi2Se0.2Te2.8)0.063 | 2.25 | 723 | 185 |
| (Ge0.988Re0.012Te)12Sb2Te3 | 2.25 | 773 | 186 |
| (GeTe)0.73(PbSe)0.27 | 2.25 | 800 | 187 |
| Ge0.89Cr0.03Sb0.08Te | 2.2 | 780 | 188 |
| Ge0.9Cd0.05Bi0.05Te | 2.2 | 650 | 189 |
| Ge0.93Bi0.07Te1.005I0.03 | 2.2 | 723 | 190 |
| (GeTe)17Sb2Te3 + 1.5% BiI3 | 2.2 | 723 | 191 |
| Ge0.89Ti0.03Sb0.08Te | 2.2 | 725 | 192 |
| Ge0.9Sb0.1Te0.9Se0.05S0.05 | 2.1 | 630 | 193 |
| Ge0.93In0.01Bi0.06Te | 2.1 | 723 | 194 |
| Ge0.94Bi0.06Te + 0.2% nano-SiC | 2.1 | 723 | 195 |
| Ge0.84In0.01Pb0.1Sb0.05Te0.997I0.003 | 2.1 | 800 | 196 |
| Ge0.89Cu0.06Sb0.08Te | 2.03 | 750 | 197 |
| (Ge0.87Pb0.13Te)0.97(Bi2Te3)0.03 | 2.03 | 773 | 198 |
| Ge0.92Cr0.03Bi0.05Te | 2.0 | 623 | 199 |
| Sb0.1Ge0.9Te0.88Se0.12 | 2.0 | 700 | 200 |
| Ge0.99Bi0.05Te | 2.0 | 650 | 201 |
| Ge0.90Ga0.02Sb0.08Te | 1.95 | 723 | 202 |
| Ge0.8Pb0.1Bi0.1Te1.06 | 1.92 | 673 | 203 |
| (Ge0.87Pb0.13Te)0.93(Bi2Te3)0.07 | 1.9 | 573 | 204 |
| Ge0.94Bi0.06Te | 1.9 | 723 | 205 |
| Ge0.9Bi0.1Te | 1.9 | 740 | 206 |
| Ge0.9Sb0.1Te1.03 | 1.9 | 760 | 207 |
| Ge0.9Sb0.1Te | 1.85 | 725 | 208 |
| Ge0.85Mg0.05Sb0.1Te | 1.84 | 800 | 209 |
| Ge0.85Sb0.10Bi0.05Te | 1.8 | 725 | 210 |
| Ge0.89Cd0.03Sb0.08Te | 1.8 | 700 | 211 |
| Ge0.95Bi0.05Te + 5% AgBiSe2 | 1.7 | 640 | 212 |
| (AgSbTe2)10(GeTe)90 | 1.08 | 723 | 213 |
| (Ag0.6SbTe1.8)15(GeTe)85 | 1.6  | 750 | 214 |
| 0.67% Cu-doped (GeTe)0.95 (BiTe)0.05 | 1.55  | 623 | 215 |
| (GeTe)0.15 (Mn0.6Sn0.4Te)0.85 | 1.57  | 770 | 216 |
| Pb0.25Sn0.25Ge0.5Te | 1.8  | 673 | 217 |
| AgSbTe2 |
| AgBi0.05Sb0.95Te2 | 1.04 | 570 | 218 |
| Ag25Sb25Se10Te40Ag25Sb25Se5Te45 | 1.4 | 680 | 219 |
| Ag0.9SbMn0.1Te2.05 | 1.2 | 573 | 220 |
| Ag0.95Sb0.95Mn0.1Te2 | 0.74 | 550 | 221 |
| AgSb0.96Zn0.04Te2 | 1.9 | 585 | 222 |
| AgSn5SbTe7 | 1.2 | 800 | 223 |
| AgSb0.97Sn0.03Te2 | 1.1 | 600 | 224 |
| (Ag0.366Sb0.558Te)0.8(SnTe)0.2 | 0.9 | 550 | 225 |
| AgSn4SbTe6 | 1.0 | 710 | 226 |
| AgSbTe1.85Se0.15 | 2.1 | 575 | 227 |
| AgSbTe2 | 1.55 | 533 | 228 |
| AgSb0.98Bi0.02Se2 | 1.15 | 680 | 229 |
| AgSb0.93In0.07Te2 | 1.35 | 650 | 230 |
| AgSbSe2+2 mol% ZnSe | 1.1 | 635 | 231 |
| AgSb0.98Cd0.02Se2 | 1.0 | 640 | 232 |
| AgSb0.99Se2 | 1.0 | 610 | 233 |
| AgSbSe0.02Te1.98 | 1.37 | 565 | 234 |
| Ag0.99Na0.01SbTe2.02 | 1.50 | 570 | 235 |
| Ag0.96Nb0.04BiSe2 | 1.0 | 773 | 236 |
| Ag(Sb0.99La0.01)Te2 | 1.5 | 573 | 237 |
| AgSbTe2 | 1.0 | 650 | 238 |
| AgSbTe2 | 1.22 | 593 | 239 |
| AgSbTe2.01 | 1.4 | 560 | 240 |
| AgSbTe2 | 0.86 | 475 | 241 |
| Skutterudites |
| Ba0.08La0.05Yb0.04Co4Sb12 | 1.7 | 850 | 242 |
| Yb0.3Ca0.1Al0.1Ga0.1In0.1Co3.75Fe0.25Sb12 | 1.0 | 773  | 243 |
| Ba0.21Co3.96Sb12Ag0.09 | 1.0 | 823  | 244 |
| Yb0.2Ce0.15In0.2Co4Sb12 | 1.43 | 800  | 245 |
| CoSb3 | 1.2 | 800  | 246 |
| In0.27Co4Sb11.9 | 1.2 | 750 | 247 |
| Ba0.3Co4Sb12 +0.5% P25+0.5% TiO2 | 1.2 | 813  | 248 |
|  Ba0.3Yb0.3Fe0.4Co3.6Sb12 | 1.35 | 800 | 249 |
| (Sr,Ba,Yb)yCo4Sb12+9.1wt.% In0.4Co4Sb12 | 1.8 | 823 | 250 |
| Yb0.27Co4Sb12/0.72 vol% rGO | 1.51 | 850 | 251 |
| Yb0.3Co4Sb12+20% Sb | 1.4 | 800 | 252 |
| 0.5 vol% MWCNT-Yb0.3Co4Sb12 | 1.43 | 875 | 253 |
|  (Mm,Sm)yCo4Sb12+0.5wt.% Ta0.8Zr0.2B | 1.5 | 820 | 254 |
|  In0.12Yb0.2Co4Sb11.84 | 1.48 | 800 | 255 |
| 0.5 vol% SiC/Yb0.3Co4Sb12 | 1.42 | 850 | 256 |
| Ba0.15Yb0.3Co4Sb12+20%Sb | 1.53 | 823 | 257 |
| (Yb0.3Ca0.1Al0.1Ga0.1In0.1Fe0.25Co3.75Sb12)0.5(Yb0.1Ca0.1Al0.1Ga0.1In0.1Fe0.25Co3.75Sb12) | 1.3 | 773 | 258 |
| Yb0.4Co3.8Fe0.2Sb12 | 1.34 | 780 | 259 |
| Yb0.3Co4Sb11.85Sn0.15 | 1.4 | 823 | 260 |
| Ba0.3In0.3Co4Sb12+0.2% Co | 850 | 850 | 261 |
| Ba0.3In0.3Co4Sb12+0.35% BaF12O19 | 1.75 | 773 | 262 |
| Half-Heuslels |
| Zr0.7Hf0.3NiSn | 1.2 | 873 | 263 |
| Ti0.5Zr0.5NiSn0.98Sb0.02 | 1.2 | 823 | 264 |
| (Hf0.25Zr0.75)0.995Nb0.005NiSn | 0.9 | 973 | 265 |
| Ti0.37Zr0.37Hf0.26NiSn | 1.0 | 725 | 266 |
| FeNb0.84Hf0.1Ti0.06Sb | 1.32 | 1200 | 267 |
| Ti0.5Hf0.5CoSb0.8Sn0.2 | 0.9 | 973 | 268 |
| FeNb0.8Ti0.2Sb | 1.1 | 1100 | 269 |
| Ti0.25Hf0.75CoSb0.85Sn0.15 | 1.2 | 983 | 270 |
| Hf0.5Zr0.5NiSn0.99Sb0.01 | 1.0 | 873 | 271 |
| Hf0.6Zr0.4NiSn0.995Sb0.005 | 1.05 | 900 | 272 |
| Hf 0.75Zr0.25NiSn0.99Sb0.01 | 1.0 | 923 | 273 |
| FeNb0.88Hf0.12Sb | 1.5 | 1500 | 274 |
| Half-Heusler | 0.8 | 973 | 275 |
| ZrCoBi0.65Sb0.15Sn0.20 | 1.42 | 973 | 276 |
| Hf0.65Zr0.35Ni0.95Pt0.05Sn0.98Sb0.02 | 0.75 | 875 | 277 |
| (Nb0.64Ta0.36)0.8Ti0.2 | 1.6 | 1200 | 278 |
| Ti0.8Hf0.2Fe0.6Ni0.4Sb | 1.0 | 973 | 279 |
| (Hf0.3Zr0.7)0.88Nb0.12CoSb | 0.85 | 1123 | 280 |
| BiCuSeO |
| BiCuSeO+5% Cd | 0.98 | 923 | 281 |
| Bi0.94Pb0.06CuSeO | 1.14 | 823 | 282 |
| Bi0.925Ca0.075CuSeO | 0.8 | 773 | 283 |
|  Bi0.985Na0.015CuSeO | 0.91 | 923 | 284 |
| Bi0.875Ba0.125CuSeO | 1.1 | 923 | 285 |
| BiCu0.975SeO | 0.81 | 923 | 286 |
| Bi0.925Ca0.075CuSeO. | 0.9 | 923 | 287 |
| BiCuSeO | 1.4 | 923 | 288 |
| BiCu0.9Zn0.1SeO | 0.9 | 873 | 289 |
| Bi0.96Pb0.04CuSeO | 0.91 | 873 | 290 |
| Bi0.875Ba0.125CuSeO | 1.4 | 923 | 291 |
| Bi0.94Pb0.06CuSeO | 1.2 | 923 | 292 |
| Bi0.92Na0.08CuSeO | 0.97 | 873 | 293 |
| Bi0.88Ca0.06Pb0.06CuSeO | 1.5 | 873 | 294 |
| Bi0.90Pb0.10Cu0.90Ni0.10SeO | 1.08 | 873 | 295 |
| Bi0.92Er0.08CuSeO | 0.99 | 874 | 296 |
| Bi0.9Li0.1Cu0.9Mn0.1SeO | 0.9 | 873 | 297 |
| Bi0.96Pb0.04CuSe0.95Te0.05O | 1.2 | 873 | 298 |
| Bi0.92La0.02Pb0.06CuSeO  | 0.9 | 873 | 299 |
| Bi0.86Pb0.14CuSeO | 1.3 | 873 | 300 |
| Pb0.06Bi0.94Cu0.94Ag0.06SeO  | 1.03 | 873 | 301 |
| Clathrates |
| Ba8Ga15.967Cu0.033Sn30 | 1.35 | 540 | 302 |
| Ba8Ga16Sn30 | 1.45 | 500 | 303 |
| Ba8Ga15.9Sn30.03Ge0.07 | 0.87 | 0.87 | 304 |
| Ba8Ni0.22Zn7.22Ge37.12Sn1.44 | 0.87 | 830 | 305 |
| K8Ba16Ga40Sn96 | 0.93 | 637 | 306 |
| Ba8Zn7.66Ge36.55Sn1.79 | 0.82 | 850 | 307 |
| Ba8Ga15.9Zn0.007Sn30.1 | 1.07 | 500 | 308 |
| (K, Ba)24(Ga, Sn)136 | 1.19 | 630 | 309 |
| Ba8Ga15.7In0.2Sn30.1 | 1.05 | 540 | 310 |
| Ba8Ga16Ge30 | 1.14 | 773 | 311 |
| Ba8Cu14Ge6P26  | 0.63 | 812 | 312 |
| Ba8Ga16Ge30 | 1.1 | 823 | 313 |
| Sr7.92Ga15.04Sn0.35Ge30.69 | 1.0 | 750 | 314 |
| Ba8Ga16Ge30  | 1.0 | 773 | 315 |
| Ba8Ga16Zn1.5Sn30 | 0.63 | 537 | 316 |
| Ba8Ga16.7Sn28.6Sb0.7 | 1.0 | 480 | 317 |
| Ba8Ga10Al6Sn30 | 1.2 | 500 | 318 |
| Ba8Ga16Si30 | 0.55 | 900 | 319 |
| Ba8Ga16.9Sn19.8Ge9.3 | 0.63 | 600 | 320 |
| Ba8Ga10Al6Sn30 | 1.2 | 500 | 321 |

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