

Ken Kurosaki

List of Publications by Year in descending order

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425
papers

12,283
citations

46918

47
h-index

37111

96
g-index

442
all docs

442
docs citations

442
times ranked

8888
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancement of Thermoelectric Efficiency in PbTe by Distortion of the Electronic Density of States. Science, 2008, 321, 554-557.	6.0	3,442
2	Chalcopyrite CuGaTe ₂ : A High-Efficiency Bulk Thermoelectric Material. Advanced Materials, 2012, 24, 3622-3626.	11.1	311
3	Thermoelectric properties of rare earth doped SrTiO ₃ . Journal of Alloys and Compounds, 2003, 350, 292-295.	2.8	253
4	Ag ₉ TlTe ₅ : A high-performance thermoelectric bulk material with extremely low thermal conductivity. Applied Physics Letters, 2005, 87, 061919.	1.5	240
5	Thermoelectric properties of CoSb ₃ . Journal of Alloys and Compounds, 2001, 315, 193-197.	2.8	211
6	Thermophysical properties of BaZrO ₃ and BaCeO ₃ . Journal of Alloys and Compounds, 2003, 359, 109-113.	2.8	184
7	Thermoelectric properties of reduced and La-doped single-crystalline SrTiO ₃ . Journal of Alloys and Compounds, 2005, 392, 306-309.	2.8	175
8	Thermophysical properties of SrHfO ₃ and SrRuO ₃ . Journal of Solid State Chemistry, 2004, 177, 3484-3489.	1.4	115
9	Thermoelectric properties of doped BaTiO ₃ -SrTiO ₃ solid solution. Journal of Alloys and Compounds, 2004, 368, 22-24.	2.8	114
10	Thermochemical and thermophysical properties of alkaline-earth perovskites. Journal of Nuclear Materials, 2005, 344, 61-66.	1.3	111
11	Thermoelectric properties of Ag _{1-x} GaTe ₂ with chalcopyrite structure. Applied Physics Letters, 2011, 99, .	1.5	108
12	High-temperature thermoelectric properties of Nb-doped MNiSn (M=Ti, Zr) half-Heusler compound. Journal of Alloys and Compounds, 2009, 469, 50-55.	2.8	104
13	Thermal and mechanical properties of polycrystalline BaSnO ₃ . Journal of Alloys and Compounds, 2006, 416, 214-217.	2.8	103
14	Photoelectrochemical study of lanthanide zirconium oxides, Ln ₂ Zr ₂ O ₇ (Ln=La, Ce, Nd and Sm). Journal of Alloys and Compounds, 2006, 420, 291-297.	2.8	103
15	Evaluation of thermal properties of uranium dioxide by molecular dynamics. Journal of Alloys and Compounds, 2000, 307, 10-16.	2.8	89
16	Thermal and mechanical properties of perovskite-type barium hafnate. Journal of Alloys and Compounds, 2006, 407, 44-48.	2.8	86
17	Thermal expansion and melting temperature of the half-Heusler compounds: MNiSn (M = Ti, Zr, Hf). Journal of Alloys and Compounds, 2010, 489, 328-331.	2.8	85
18	Heat capacities and thermal conductivities of perovskite type BaZrO ₃ and BaCeO ₃ . Journal of Alloys and Compounds, 2003, 359, 1-4.	2.8	82

#	ARTICLE	IF	CITATIONS
19	Thermoelectric properties of Sn-doped TiCoSb half-Heusler compounds. Journal of Alloys and Compounds, 2006, 407, 326-329.	2.8	82
20	Thermoelectric properties of $\hat{1}\pm$ - and $\hat{1}^2$ -Ag ₂ Te. Journal of Alloys and Compounds, 2005, 393, 299-301.	2.8	80
21	Effect of porosity on thermal and electrical properties of polycrystalline bulk ZrN prepared by spark plasma sintering. Journal of Alloys and Compounds, 2007, 432, 7-10.	2.8	76
22	Thermoelectric properties of Tl ₉ BiTe ₆ . Journal of Alloys and Compounds, 2003, 352, 275-278.	2.8	75
23	High-Thermoelectric Figure of Merit Realized in p-Type Half-Heusler Compounds: ZrCoSn _x Sb _{1-x} . Japanese Journal of Applied Physics, 2007, 46, L673.	0.8	74
24	Unexpectedly low thermal conductivity in natural nanostructured bulk Ga ₂ Te ₃ . Applied Physics Letters, 2008, 93, .	1.5	74
25	High-temperature thermoelectric properties of Cu _{1-x} InTe ₂ with a chalcopyrite structure. Applied Physics Letters, 2012, 100, 042108.	1.5	74
26	Characteristics of zirconium hydride and deuteride. Journal of Alloys and Compounds, 2002, 330-332, 99-104.	2.8	69
27	Molecular dynamics study of mixed oxide fuel. Journal of Nuclear Materials, 2001, 294, 160-167.	1.3	68
28	Thermoelectric properties of heavily boron- and phosphorus-doped silicon. Japanese Journal of Applied Physics, 2015, 54, 071301.	0.8	67
29	High temperature phase transitions of SrZrO ₃ . Journal of Alloys and Compounds, 2003, 351, 43-46.	2.8	66
30	Thermal properties of zirconium hydride. Journal of Nuclear Materials, 2001, 294, 94-98.	1.3	65
31	Thermoelectric properties of perovskite type barium molybdate. Journal of Alloys and Compounds, 2004, 372, 65-69.	2.8	61
32	Thermoelectric properties of NaCo ₂ O ₄ . Journal of Alloys and Compounds, 2001, 315, 234-236.	2.8	60
33	Thermoelectric properties of thallium antimony telluride. Journal of Alloys and Compounds, 2004, 376, 43-48.	2.8	60
34	Thermal and mechanical properties of SrHfO ₃ . Journal of Alloys and Compounds, 2004, 381, 295-300.	2.8	59
35	Bottom-up nanostructured bulk silicon: a practical high-efficiency thermoelectric material. Nanoscale, 2014, 6, 13921-13927.	2.8	59
36	Substitution Effect on Thermoelectric Properties of ZrNiSn Based Half-Heusler Compounds. Materials Transactions, 2006, 47, 1453-1457.	0.4	56

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37	Thermal and mechanical properties of uranium nitride prepared by SPS technique. Journal of Materials Science, 2008, 43, 6429-6434.	1.7	56
38	Thermoelectric properties of TlBiTe ₂ . Journal of Alloys and Compounds, 2003, 351, 279-282.	2.8	54
39	Electrical and thermal properties of titanium hydrides. Journal of Alloys and Compounds, 2006, 420, 25-28.	2.8	54
40	Thermoelectric properties of BaSi ₂ , SrSi ₂ , and LaSi. Journal of Applied Physics, 2007, 102, 063703.	1.1	54
41	Oxidative dehydrogenation of iso-butane to iso-butene I. Metal phosphate catalysts. Applied Catalysis A: General, 1998, 167, 49-56.	2.2	53
42	Thermophysical Properties of Perovskite-Type Strontium Cerate and Zirconate. Journal of the American Ceramic Society, 2005, 88, 1496-1499.	1.9	52
43	Effect of spark plasma sintering temperature on thermoelectric properties of (Ti,Zr,Hf)NiSn half-Heusler compounds. Journal of Alloys and Compounds, 2005, 397, 296-299.	2.8	51
44	Evaluation of thermal properties of mixed oxide fuel by molecular dynamics. Journal of Alloys and Compounds, 2000, 307, 1-9.	2.8	50
45	High temperature thermoelectric properties of CoTiSb half-Heusler compounds. Journal of Alloys and Compounds, 2004, 384, 308-311.	2.8	50
46	Synthesis, mechanical and magnetic properties of transition metals-doped Ca ₃ Co _{3.8} M _{0.2} O ₉ . Journal of Alloys and Compounds, 2010, 503, 431-435.	2.8	50
47	Thermoelectric Properties of (Ti,Zr,Hf)CoSb Type Half-Heusler Compounds. Materials Transactions, 2005, 46, 1481-1484.	0.4	49
48	Annealing effect on thermoelectric properties of TiCoSb half-Heusler compound. Journal of Alloys and Compounds, 2005, 394, 122-125.	2.8	48
49	Thermal and electrical properties of zirconium nitride. Journal of Alloys and Compounds, 2005, 399, 242-244.	2.8	47
50	Thermoelectric properties of BaUO ₃ . Journal of Alloys and Compounds, 2001, 319, 271-275.	2.8	46
51	Thermoelectric and Thermophysical Properties of TiCoSb-ZrCoSb-HfCoSb Pseudo Ternary System Prepared by Spark Plasma Sintering. Materials Transactions, 2006, 47, 1445-1448.	0.4	44
52	Density and viscosity of liquid ZrO ₂ measured by aerodynamic levitation technique. Heliyon, 2019, 5, e02049.	1.4	44
53	High-temperature thermoelectric properties of thallium-filled skutterudites. Applied Physics Letters, 2010, 96, .	1.5	43
54	Electrical properties of $\hat{1}\pm$ - and $\hat{1}^2$ -Ag ₂ Te. Journal of Alloys and Compounds, 2005, 387, 297-299.	2.8	41

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55	Thermoelectric and thermophysical properties of ErPdX (X=Sb and Bi) half-Heusler compounds. Journal of Applied Physics, 2006, 99, 103701.	1.1	41
56	Physical properties of polycrystalline SrVO ₃ . Journal of Alloys and Compounds, 2006, 426, 46-50.	2.8	41
57	FeNbSb p-type half-Heusler compound: beneficial thermomechanical properties and high-temperature stability for thermoelectrics. Journal of Materials Chemistry C, 2017, 5, 6677-6681.	2.7	41
58	Thermoelectric properties of Ag _{1-x} Pb ₁₈ SbTe ₂₀ (x = 0, 0.1, 0.3). Journal of Alloys and Compounds, 2005, 387, 52-55.	2.8	40
59	Thermoelectric properties of stoichiometric Ag _{1-x} Pb ₁₈ SbTe ₂₀ (x = 0, 0.1, 0.2). Journal of Alloys and Compounds, 2005, 391, 288-291.	2.8	40
60	High temperature thermoelectric properties of NiZrSn half-Heusler compounds. Journal of Alloys and Compounds, 2004, 364, 59-63.	2.8	39
61	Effect of Sn doping on the thermoelectric properties of ErNiSb-based p-type half-Heusler compound. Applied Physics Letters, 2007, 91, 062115.	1.5	39
62	Reinvestigation of the thermoelectric properties of Ag ₈ GeTe ₆ . Physica Status Solidi - Rapid Research Letters, 2008, 2, 65-67.	1.2	39
63	The effect of Eu substitution on thermoelectric properties of SrTi _{0.8} Nb _{0.2} O ₃ . Journal of Applied Physics, 2007, 102, 116107.	1.1	38
64	Thermal conductivity of titanium dioxide films grown by metal-organic chemical vapor deposition. Surface and Coatings Technology, 2008, 202, 3067-3071.	2.2	38
65	Effect of Vacancy Distribution on the Thermal Conductivity of Ga ₂ Te ₃ and Ga ₂ Se ₃ . Journal of Electronic Materials, 2011, 40, 999-1004.	1.0	38
66	Low thermal conductivity group 13 chalcogenides as high efficiency thermoelectric materials. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 82-88.	0.8	38
67	The effect of Cr substitution on the structure and properties of misfit-layered Ca ₃ Co _{4-x} Cr _x O _{9+δ} thermoelectric oxides. Journal of Alloys and Compounds, 2014, 588, 199-205.	2.8	38
68	Some properties of a lead vanado-iodoapatite Pb ₁₀ (VO ₄) ₆ I ₂ . Journal of Nuclear Materials, 2001, 294, 119-122.	1.3	37
69	Thermophysical properties of several nitrides prepared by spark plasma sintering. Journal of Nuclear Materials, 2009, 389, 186-190.	1.3	37
70	Thermoelectric properties of layered rare earth copper oxides. Journal of Alloys and Compounds, 2003, 349, 321-324.	2.8	36
71	Thermoelectric properties of perovskite type strontium ruthenium oxide. Journal of Alloys and Compounds, 2005, 387, 56-59.	2.8	36
72	Porosity influence on the mechanical properties of polycrystalline zirconium nitride ceramics. Journal of Nuclear Materials, 2006, 358, 106-110.	1.3	36

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73	Mechanical and thermal properties of ZrSiO ₄ . Journal of Nuclear Science and Technology, 2017, 54, 1267-1273.	0.7	36
74	Thermoelectric properties of TlXTe (X=Ge, Sn, and Pb) compounds with low lattice thermal conductivity. Journal of Applied Physics, 2006, 99, 063705.	1.1	35
75	Fabrication of oxide nanohole arrays by a liquid phase deposition method. Journal of Alloys and Compounds, 2004, 373, 312-315.	2.8	34
76	Thermoelectric properties of Ag ₈ GeTe ₆ . Journal of Alloys and Compounds, 2005, 396, 280-282.	2.8	34
77	Heavily doped silicon and nickel silicide nanocrystal composite films with enhanced thermoelectric efficiency. Journal of Applied Physics, 2013, 114, .	1.1	34
78	Thermophysical properties of BaUO ₃ . Journal of Nuclear Materials, 2001, 294, 99-103.	1.3	33
79	Thermoelectric power and electrical resistivity of Ag-doped Na _{1.5} Co ₂ O ₄ . Journal of Alloys and Compounds, 2006, 407, 314-317.	2.8	33
80	Thermoelectric properties of Ga-added CoSb ₃ based skutterudites. Journal of Applied Physics, 2011, 110, 013521.	1.1	33
81	Oxygen potentials of (U _{0.685} Pu _{0.270} Am _{0.045})O ₂ ±x solid solution. Journal of Alloys and Compounds, 2005, 397, 110-114.	2.8	32
82	Thermoelectric properties of constantan/spherical SiO ₂ and Al ₂ O ₃ particles composite. Journal of Alloys and Compounds, 2003, 359, 326-329.	2.8	31
83	Thermoelectric and Thermophysical Characteristics of Cu ₂ Te-Tl ₂ Te Pseudo Binary System. Materials Transactions, 2006, 47, 1432-1435.	0.4	31
84	Oxygen potential of (Pu _{0.91} Am _{0.09})O ₂ ±x. Journal of Nuclear Materials, 2006, 357, 69-76.	1.3	31
85	Ag ₈ SiTe ₆ : A New Thermoelectric Material with Low Thermal Conductivity. Japanese Journal of Applied Physics, 2009, 48, 011603.	0.8	31
86	Effect of Phase Transition on the Thermoelectric Properties of Ag ₂ Te. Materials Transactions, 2012, 53, 1216-1219.	0.4	31
87	Thermoelectric properties of Ti- and Sn-doped ±-Fe ₂ O ₃ . Journal of Alloys and Compounds, 2002, 335, 200-202.	2.8	30
88	Thermoelectric Characterization of (Ga,In) ₂ Te ₃ with Self-Assembled Two-Dimensional Vacancy Planes. Journal of Electronic Materials, 2009, 38, 1392-1396.	1.0	30
89	Mechanical and thermal properties of bulk ZrB ₂ . Journal of Nuclear Materials, 2015, 467, 612-617.	1.3	30
90	Thermal and mechanical properties of polycrystalline U ₃ Si ₂ synthesized by spark plasma sintering. Journal of Nuclear Science and Technology, 2018, 55, 1141-1150.	0.7	30

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91	Nanoindentation tests for TiO ₂ , MgO, and YSZ single crystals. Journal of Alloys and Compounds, 2005, 386, 261-264.	2.8	29
92	Thermal properties of polycrystalline sintered SrY ₂ O ₄ . Journal of Alloys and Compounds, 2005, 395, 318-321.	2.8	29
93	Thermal and electrical properties of perovskite-type strontium molybdate. Journal of Alloys and Compounds, 2005, 390, 314-317.	2.8	28
94	Measurements of Thermal Rate Constants for the Reactions of N(2D,2P) with C ₂ H ₄ and C ₂ D ₄ between 225 and 292 K. Journal of Physical Chemistry A, 1999, 103, 8650-8656.	1.1	27
95	Substitution effect on the thermoelectric properties of alkaline earth titanate. Materials Letters, 2004, 58, 3868-3871.	1.3	27
96	Thermal properties of titanium hydrides. Journal of Nuclear Materials, 2005, 344, 298-300.	1.3	27
97	Thermophysical properties of Th _{1-x} U _x O ₂ pellets prepared by spark plasma sintering technique. Journal of Nuclear Science and Technology, 2013, 50, 181-187.	0.7	27
98	A molecular dynamics study of the thermal conductivity of uranium mononitride. Journal of Alloys and Compounds, 2000, 311, 305-310.	2.8	26
99	A molecular dynamics study of the heat capacity of uranium mononitride. Journal of Alloys and Compounds, 2000, 297, 1-4.	2.8	26
100	Thermophysical properties of Fe ₂ VAl. Journal of Alloys and Compounds, 2003, 352, 48-51.	2.8	26
101	Thermal properties of SrCeO ₃ . Journal of Alloys and Compounds, 2003, 352, 52-56.	2.8	26
102	Nanoindentation studies of UO ₂ and (U,Ce)O ₂ . Journal of Alloys and Compounds, 2004, 381, 240-244.	2.8	26
103	Thermoelectric Properties of Thallium Compounds with Extremely Low Thermal Conductivity. Materials Transactions, 2005, 46, 1502-1505.	0.4	26
104	High-temperature thermoelectric properties of Cu ₂ Ga ₄ Te ₇ with defect zinc-blende structure. Applied Physics Letters, 2011, 98, 172104.	1.5	26
105	Effect of the Amount of Vacancies on the Thermoelectric Properties of Cu–Ga–Te Ternary Compounds. Materials Transactions, 2012, 53, 1212-1215.	0.4	26
106	Electrical properties of Ag _{1-x} Pb ₁₈ SbTe ₂₀ (x = 0, 0.1, 0.3). Journal of Alloys and Compounds, 2005, 386, 315-318.	2.8	25
107	Thermophysical properties of BaY ₂ O ₄ : A new candidate material for thermal barrier coatings. Materials Letters, 2007, 61, 2303-2306.	1.3	25
108	Thermal Conductivity of the Ternary Compounds: Ag_{1-x}M_yTe₂ and Ag_{1-x}M_yTe₈ (M = Ga or In). Materials Transactions, 2009, 50, 1603-1606.	0.4	25

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109	Thermomechanical properties of calcium series perovskite-type oxides. Journal of Alloys and Compounds, 2010, 504, 201-204.	2.8	25
110	Reduction of thermal conductivity in PbTe:Ti by alloying with TlSbTe . Physical Review B, 2011, 83, .	1.1	25
111	Thermoelectric Properties of Indium-Added Skutterudites $\text{In}_x\text{Co}_4\text{Sb}_{12}$. Journal of Electronic Materials, 2013, 42, 1463-1468.	1.0	25
112	Thermoelectric properties of Mo_3Te_4 . Journal of Alloys and Compounds, 2002, 334, 317-323.	2.8	24
113	Design and development of MH actuator system. Sensors and Actuators A: Physical, 2004, 113, 118-123.	2.0	24
114	Thermoelectric properties of titanium-based half-Heusler compounds. Journal of Alloys and Compounds, 2004, 384, 51-56.	2.8	24
115	Molecular dynamics studies of neptunium dioxide. Journal of Alloys and Compounds, 2005, 387, 9-14.	2.8	24
116	Thermal and mechanical properties of $(\text{U},\text{Er})\text{O}_2$. Journal of Nuclear Materials, 2009, 389, 115-118.	1.3	24
117	Synthesis and thermoelectric properties of silicon- and manganese-doped $\text{Ru}_{1-x}\text{Fe}_x\text{Al}_2$. Journal of Alloys and Compounds, 2010, 493, 17-21.	2.8	24
118	Synthesis of silicon and molybdenum silicide nanocrystal composite films having low thermal conductivity. Thin Solid Films, 2013, 534, 238-241.	0.8	24
119	Enhanced Thermoelectric Properties of Silicon via Nanostructuring. Materials Transactions, 2016, 57, 1018-1021.	0.4	24
120	Thermophysical properties of Tl_9BiTe_6 and TlBiTe_2 . Journal of Alloys and Compounds, 2003, 351, 14-17.	2.8	23
121	Thermophysical properties of SrY_2O_4 . Journal of Alloys and Compounds, 2005, 398, 304-308.	2.8	23
122	High-temperature thermoelectric properties of non-stoichiometric $\text{Ag}_{1-x}\text{In}_x\text{Te}_2$ with chalcopyrite structure. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 999-1002.	1.7	23
123	Thermodynamic modelling and phase stability assessment of MO_2 oxides with a fluorite structure. Journal of Chemical Thermodynamics, 2003, 35, 719-731.	1.0	22
124	Substitution effect on the thermoelectric properties of p-type half-Heusler compounds: $\text{ErNi}_{1-x}\text{PdxSb}$. Journal of Applied Physics, 2008, 104, 013714.	1.1	22
125	Thermal conductivity of BaPuO_3 at temperatures from 300 to 1500 K. Journal of Nuclear Materials, 2011, 414, 316-319.	1.3	22
126	Ab initio study of hydrogen diffusion in zirconium oxide. Journal of Nuclear Science and Technology, 2012, 49, 544-550.	0.7	22

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127	Chalcopyrite ZnSnSb ₂ : A Promising Thermoelectric Material. ACS Applied Materials & Interfaces, 2018, 10, 43682-43690.	4.0	22
128	Synthesis, microstructure, multifunctional properties of mayenite Ca ₁₂ Al ₁₄ O ₃₃ (C12A7) cement and graphene oxide (GO) composites. Scientific Reports, 2020, 10, 11077.	1.6	22
129	Heat capacity measurement of BaUO ₃ . Journal of Alloys and Compounds, 2001, 322, 77-81.	2.8	21
130	Thermophysical properties of Mo-Ru-Rh-Pd alloys. Journal of Alloys and Compounds, 2003, 353, 269-273.	2.8	21
131	Thermoelectric properties of Na _x Co ₂ O ₄ /Ag composites. Journal of Alloys and Compounds, 2006, 414, 293-297.	2.8	21
132	Systematic investigation of the thermoelectric properties of TlMTe ₂ (M=Ga, In, or Tl). Journal of Applied Physics, 2008, 104, .	1.1	21
133	Thermoelectric properties of Zn-doped GaSb. Journal of Applied Physics, 2012, 111, .	1.1	21
134	A new semiconductor Al ₂ Fe ₃ Si ₃ with complex crystal structure. Intermetallics, 2017, 89, 51-56.	1.8	21
135	Enhancing thermoelectric properties of p-type SiGe alloy through optimization of carrier concentration and processing parameters. Materials Science in Semiconductor Processing, 2018, 88, 239-249.	1.9	21
136	High temperature thermoelectric properties of (Fe _{1-x} V _x) ₃ Al Heusler type compounds. Journal of Alloys and Compounds, 2003, 349, 37-40.	2.8	20
137	Thermophysical properties of NiZrSn _{1-x} Sb _x half-Heusler compounds. Journal of Alloys and Compounds, 2004, 381, 9-11.	2.8	20
138	A molecular dynamics study of thorium nitride. Journal of Alloys and Compounds, 2005, 394, 312-316.	2.8	20
139	The low-temperature heat capacity and entropy of SrZrO ₃ and BaZrO ₃ . Journal of Alloys and Compounds, 2006, 424, 1-3.	2.8	20
140	LnPdSb (Ln=La,Gd): Promising intermetallics with large carrier mobility for high performance p-type thermoelectric materials. Applied Physics Letters, 2006, 89, 092108.	1.5	20
141	Local structure of Fe in Fe-doped misfit-layered calcium cobaltite: An X-ray absorption spectroscopy study. Journal of Solid State Chemistry, 2013, 204, 257-265.	1.4	20
142	Physical properties of core-concrete systems: Al ₂ O ₃ -ZrO ₂ molten materials measured by aerodynamic levitation. Journal of Nuclear Materials, 2017, 487, 121-127.	1.3	20
143	The Nanometer-Sized Eutectic Structure of Si/CrSi ₂ Thermoelectric Materials Fabricated by Rapid Solidification. Journal of Electronic Materials, 2018, 47, 2330-2336.	1.0	20
144	Study on the formation process of titania nanohole arrays. Journal of Alloys and Compounds, 2005, 386, 265-269.	2.8	19

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145	Effect of sintering temperature on the thermoelectric properties of $\text{Na}_x\text{Co}_2\text{O}_4$. Journal of Alloys and Compounds, 2006, 416, 291-295.	2.8	19
146	Mechanical Properties of $\text{Ca}_{0.9}\text{Yb}_{0.1}\text{MnO}_3/\text{Ag}$ Composites for n-Type Legs of Thermoelectric Oxide Devices. Japanese Journal of Applied Physics, 2008, 47, 6399-6403.	0.8	19
147	Effect of Nb substitution for V on the thermoelectric properties of Fe_2VAl . Journal of Alloys and Compounds, 2009, 486, 507-510.	2.8	19
148	Lattice parameter and thermal conductivity of $\text{Th}_{1-x}\text{M}_x\text{O}_2$ (M = Y, La, Ce, Nd, Gd and U). Journal of Nuclear Materials, 2013, 434, 124-128.	1.3	19
149	Thermoelectric properties of Chevrel phase $\text{Mo}_6\text{Te}_8\text{S}_x$. Journal of Alloys and Compounds, 2003, 351, 208-211.	2.8	18
150	Thermoelectric Properties of Lanthanum-Doped Europium Titanate. Materials Transactions, 2005, 46, 1466-1469.	0.4	18
151	Extremely low thermal conductivity of AgTlTe . Journal of Alloys and Compounds, 2005, 395, 304-306.	2.8	18
152	Effect of electronegativity on the mechanical properties of metal hydrides with a fluorite structure. Journal of Alloys and Compounds, 2006, 426, 67-71.	2.8	18
153	Enhancement of thermoelectric properties of CoSb_3 -based skutterudites by double filling of Tl and In. Journal of Applied Physics, 2012, 112, 043509.	1.1	18
154	Enhancement of Thermoelectric Properties of n-Type $\text{Bi}_{2-x}\text{Te}_{3-x}\text{Se}_x$ by Energy Filtering Effect. ACS Applied Energy Materials, 2021, 4, 11819-11826.	2.5	18
155	A molecular dynamics study on uranium-plutonium mixed nitride. Journal of Alloys and Compounds, 2001, 319, 253-257.	2.8	17
156	Thermoelectric properties of p-type $(\text{AgSbTe}_2)_x(\text{Pb}_{0.5}\text{Sn}_{0.5}\text{Te})_{1-x}$ ($x=0.05, 0.09, 0.2$). Journal of Alloys and Compounds, 2006, 416, 218-221.	2.8	17
157	Chemical thermodynamic analysis of americium-containing UO_2 and $(\text{U,Pu})\text{O}_2$. Journal of Alloys and Compounds, 2007, 428, 355-361.	2.8	17
158	High Temperature Thermoelectric Properties of Half-Heusler Compound PtYSb . Japanese Journal of Applied Physics, 2013, 52, 041804.	0.8	17
159	High Thermoelectric Power Factor of $\text{Si}_2\text{Mg}_2\text{Si}$ Nanocomposite Ribbons Synthesized by Melt Spinning. ACS Applied Energy Materials, 2020, 3, 1962-1968.	2.5	17
160	The influence of Gd_2O_3 on shielding, thermal and luminescence properties of $\text{WO}_3\text{-Gd}_2\text{O}_3\text{-B}_2\text{O}_3$ glass for radiation shielding and detection material. Radiation Physics and Chemistry, 2022, 190, 109805.	1.4	17
161	A molecular dynamics study on plutonium mononitride. Journal of Alloys and Compounds, 2000, 313, 242-247.	2.8	16
162	Analysis of the electronic structure of zirconium hydride. Journal of Alloys and Compounds, 2002, 330-332, 313-317.	2.8	16

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163	Enhancement of thermoelectric figure of merit of AgTlTe by tuning the carrier concentration. Journal of Applied Physics, 2007, 102, 023707.	1.1	16
164	Thermoelectric Properties of Half-Heusler Type LaPdBi and GdPdBi. Materials Transactions, 2007, 48, 2079-2082.	0.4	16
165	Phase behavior of PuO ₂ ·x with addition of 9% Am. Journal of Alloys and Compounds, 2007, 444-445, 610-613.	2.8	16
166	Thermal Conductivity of Hafnium Hydride. Journal of Nuclear Science and Technology, 2009, 46, 814-818.	0.7	16
167	Thermoelectric properties of Cr _{1-x} Mo Si ₂ . Journal of Physics and Chemistry of Solids, 2015, 87, 153-157.	1.9	16
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