Ken Kurosaki

List of Publications by Year
in descending order

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425 papers	12,283 citations	46984 47 h-index	37183 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 CuGaTe₂: A Highâ€Efficiency Bulk Thermoelectric Material. Advanced Materials, 2012, 24, 3622-3626.	11.1	311
3	Thermoelectric properties of rare earth doped SrTiO3. Journal of Alloys and Compounds, 2003, 350, 292-295.	2.8	253
4	Ag9TlTe5: A high-performance thermoelectric bulk material with extremely low thermal conductivity. Applied Physics Letters, 2005, 87, 061919.	1.5	240
5	Thermoelectric properties of CoSb3. Journal of Alloys and Compounds, 2001, 315, 193-197.	2.8	211
6	Thermophysical properties of BaZrO3 and BaCeO3. Journal of Alloys and Compounds, 2003, 359, 109-113.	2.8	184
7	Thermoelectric properties of reduced and La-doped single-crystalline SrTiO3. Journal of Alloys and Compounds, 2005, 392, 306-309.	2.8	175
8	Thermophysical properties of SrHfO3 and SrRuO3. Journal of Solid State Chemistry, 2004, 177, 3484-3489.	1.4	115
9	Thermoelectric properties of doped BaTiO3â€“SrTiO3 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 Ag1â^'xGaTe2 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 BaSnO3. Journal of Alloys and Compounds, 2006, 416, 214-217.	2.8	103
14	Photoelectrochemical study of lanthanide zirconium oxides, Ln2Zr2O7 (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 BaZrO3 and BaCeO3. Journal of Alloys and Compounds, 2003, 359, 1-4.	2.8	82

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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 Î±- and Î²-Ag2Te. 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 Tl9BiTe6. 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_xSb_{1-x}. Japanese Journal of Applied Physics, 2007, 46, L673.	0.8	74
24	Unexpectedly low thermal conductivity in natural nanostructured bulk Ga2Te3. Applied Physics Letters, 2008, 93, .	1.5	74
25	High-temperature thermoelectric properties of Cu_{1â€“}_xInTe₂ 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 SrZrO3. 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 NaCo2O4. 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 SrHfO3. 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 TlBiTe2. 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 BaSi2, SrSi2, 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 Ca3Co3.8M0.2O9. 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 BaUO3. 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 ZrO2 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 Î±- and Î²-Ag2Te. 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 SrVO3â˜Î´. 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 Ag1â˜xPb18SbTe20 (x = 0, 0.1, 0.3). Journal of Alloys and Compounds, 2005, 387, 52-55.	2.8	40
59	Thermoelectric properties of stoichiometric Ag1â˜xPb18SbTe20 (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 Ag₈GeTe₆. Physica Status Solidi - Rapid Research Letters, 2008, 2, 65-67.	1.2	39
63	The effect of Eu substitution on thermoelectric properties of SrTi0.8Nb0.2O3. 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 Ga2Te3 and Ga2Se3. Journal of Electronic Materials, 2011, 40, 999-1004.	1.0	38
66	Lowâ€thermalâ€conductivity group 13 chalcogenides as highâ€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 Ca3Co4â˜xCrxO9+Î´ thermoelectric oxides. Journal of Alloys and Compounds, 2014, 588, 199-205.	2.8	38
68	Some properties of a lead vanado-iodoapatite Pb10(VO4)6I2. 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 ZrSiO₄. Journal of Nuclear Science and Technology, 2017, 54, 1267-1273.	0.7	36
74	Thermoelectric properties of Tlâ€“Xâ€“Te (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 Ag8GeTe6. 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 BaUO3. Journal of Nuclear Materials, 2001, 294, 99-103.	1.3	33
79	Thermoelectric power and electrical resistivity of Ag-doped Na1.5Co2O4. Journal of Alloys and Compounds, 2006, 407, 314-317.	2.8	33
80	Thermoelectric properties of Ga-added CoSb3 based skutterudites. Journal of Applied Physics, 2011, 110, 013521.	1.1	33
81	Oxygen potentials of (U0.685Pu0.270Am0.045)O2â^'x solid solution. Journal of Alloys and Compounds, 2005, 397, 110-114.	2.8	32
82	Thermoelectric properties of constantan/spherical SiO2 and Al2O3 particles composite. Journal of Alloys and Compounds, 2003, 359, 326-329.	2.8	31
83	Thermoelectric and Thermophysical Characteristics of Cu₂Te-Tl₂Te Pseudo Binary System. Materials Transactions, 2006, 47, 1432-1435.	0.4	31
84	Oxygen potential of (Pu0.91Am0.09)O2â^'x. Journal of Nuclear Materials, 2006, 357, 69-76.	1.3	31
85	Ag₈SiTe₆: 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 Ag₂Te. Materials Transactions, 2012, 53, 1216-1219.	0.4	31
87	Thermoelectric properties of Ti- and Sn-doped Î±-Fe2O3. Journal of Alloys and Compounds, 2002, 335, 200-202.	2.8	30
88	Thermoelectric Characterization of (Ga,In)2Te3 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 ZrB2. Journal of Nuclear Materials, 2015, 467, 612-617.	1.3	30
90	Thermal and mechanical properties of polycrystalline U3Si2 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 TiO2, MgO, and YSZ single crystals. Journal of Alloys and Compounds, 2005, 386, 261-264.	2.8	29
92	Thermal properties of polycrystalline sintered SrY2O4. 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 C2H4and C2D4between 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_{1â^'x}U_xO₂pellets 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 Fe2VAl. Journal of Alloys and Compounds, 2003, 352, 48-51.	2.8	26
101	Thermal properties of SrCeO3. Journal of Alloys and Compounds, 2003, 352, 52-56.	2.8	26
102	Nanoindentation studies of UO2 and (U,Ce)O2. 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 Cu2Ga4Te7 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 Ag1â^'xPb18SbTe20 (x = 0, 0.1, 0.3). Journal of Alloys and Compounds, 2005, 386, 315-318.	2.8	25
107	Thermophysical properties of BaY2O4: 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<I>M</I>Te₂ and Ag<I>M</I>₅Te₈ (<I>M</I> = 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:Tl by alloying with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">TlSbT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2011, 83, .	1.1	25
111	Thermoelectric Properties of Indium-Added Skutterudites In x Co4Sb12. Journal of Electronic Materials, 2013, 42, 1463-1468.	1.0	25
112	Thermoelectric properties of Mo3Te4. 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 (U,Er)O2. Journal of Nuclear Materials, 2009, 389, 115-118.	1.3	24
117	Synthesis and thermoelectric properties of silicon- and manganese-doped Ru1â^'xFexAl2. Journal of Alloys and Compounds, 2010, 493, 17-21.	2.8	24
118	Synthesis of silicon and molybdenumâ€“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 Tl9BiTe6 and TlBiTe2. Journal of Alloys and Compounds, 2003, 351, 14-17.	2.8	23
121	Thermophysical properties of SrY2O4. Journal of Alloys and Compounds, 2005, 398, 304-308.	2.8	23
122	High-temperature thermoelectric properties of non-stoichiometric Ag1â^'InTe2 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 MO2â^'X 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: ErNi1â^'xPdxSb. Journal of Applied Physics, 2008, 104, 013714.	1.1	22
125	Thermal conductivity of BaPuO3 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 ZnSnSb₂: A Promising Thermoelectric Material. ACS Applied Materials & Interfaces, 2018, 10, 43682-43690.	4.0	22
128	Synthesis, microstructure, multifunctional properties of mayenite Ca12Al14O33 (C12A7) cement and graphene oxide (GO) composites. Scientific Reports, 2020, 10, 11077.	1.6	22
129	Heat capacity measurement of BaUO3. Journal of Alloys and Compounds, 2001, 322, 77-81.	2.8	21
130	Thermophysical properties of Moâ€“Ruâ€“Rhâ€“Pd alloys. Journal of Alloys and Compounds, 2003, 353, 269-273.	2.8	21
131	Thermoelectric properties of NaxCo2O4/Ag composites. Journal of Alloys and Compounds, 2006, 414, 293-297.	2.8	21
132	Systematic investigation of the thermoelectric properties of TlMTe2 (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 (Fe1â^'xVx)3Al Heusler type compounds. Journal of Alloys and Compounds, 2003, 349, 37-40.	2.8	20
137	Thermophysical properties of NiZrSn1â^'xSbx 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 SrZrO3 and BaZrO3. 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/CrSi2 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 NaxCo2O4. Journal of Alloys and Compounds, 2006, 416, 291-295.	2.8	19
146	Mechanical Properties of Ca0.9Yb0.1MnO3/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 Fe2VAl. Journal of Alloys and Compounds, 2009, 486, 507-510.	2.8	19
148	Lattice parameter and thermal conductivity of Th1â˜'M O2â˜' (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 Mo6Te8â˜'xSx. 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 CoSb3-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 Bi₂Te_{3â€“x}Se_x by Energy Filtering Effect. ACS Applied Energy Materials, 2021, 4, 11819-11826.	2.5	18
155	A molecular dynamics study on uraniumâ€“plutonium mixed nitride. Journal of Alloys and Compounds, 2001, 319, 253-257.	2.8	17
156	Thermoelectric properties of p-type (AgSbTe2)x(Pb0.5Sn0.5Te)1â˜'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 UO2 and (U,Pu)O2. 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 Siâ€“Mg₂Si Nanocomposite Ribbons Synthesized by Melt Spinning. ACS Applied Energy Materials, 2020, 3, 1962-1968.	2.5	17
160	The influence of Gd2O3 on shielding, thermal and luminescence properties of WO3â€“Gd2O3â€“B2O3 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 PuO2â^'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 Cr1â^'Mo Si2. Journal of Physics and Chemistry of Solids, 2015, 87, 153-157.	1.9	16
168	Thermoelectric properties of Î²-BaCu2S2. Journal of Alloys and Compounds, 2005, 388, 122-125.	2.8	15
169	Thermoelectric Properties of Chalcopyrite-Type CuGaTe₂ with Ag Substituted into the Cu Sites. Japanese Journal of Applied Physics, 2013, 52, 081801.	0.8	15
170	Enhancement of Thermoelectric Properties of Bulk Si by Dispersing Size-Controlled VSi2. Journal of Electronic Materials, 2017, 46, 3249-3255.	1.0	15
171	Effect of point and planar defects on thermal conductivity of TiO_{2â^'x}. Journal of the American Ceramic Society, 2018, 101, 334-346.	1.9	15
172	High thermoelectric power factor of ytterbium silicon-germanium. Applied Physics Letters, 2018, 113, .	1.5	15
173	A simple method for fabricating flexible thermoelectric nanocomposites based on bacterial cellulose nanofiber and Ag2Se. Applied Physics Letters, 2022, 120, .	1.5	15
174	Thermoelectric properties of Ni- and Zn-doped Nd2CuO4. Journal of Alloys and Compounds, 2003, 350, 340-343.	2.8	14
175	Molecular Dynamics Studies of Minor Actinide Dioxides. Journal of Nuclear Science and Technology, 2004, 41, 827-831.	0.7	14
176	Electrical properties of Î²-BaCu2S2. Journal of Alloys and Compounds, 2004, 385, 312-315.	2.8	14
177	Molecular dynamics studies of actinide nitrides. Journal of Nuclear Materials, 2005, 344, 45-49.	1.3	14
178	Chemical thermodynamic representation of (U,Pu,Am)O2â^'x. Journal of Nuclear Materials, 2005, 344, 230-234.	1.3	14
179	Thermoelectric properties of potassium-doped Î²-BaCu2S2 with natural superlattice structure. Journal of Applied Physics, 2005, 97, 053705.	1.1	14
180	Effect of periodicity of the twoâ€dimensional vacancy planes on the thermal conductivity of bulk Ga₂Te₃. Physica Status Solidi - Rapid Research Letters, 2009, 3, 221-223.	1.2	14

#	Article	IF	Citations
181	Thermoelectric properties of gold telluride: AuTe2. Journal of Alloys and Compounds, 2010, 496, 53-55.	2.8	14
182	Effect of hydrogenation conditions on the microstructure and mechanical properties of zirconium hydride. Journal of Nuclear Materials, 2018, 500, 145-152.	1.3	14
183	Thermal and Mechanical Properties of Î±â€MoSi₂ as a Highâ€Temperature Material. Physica Status Solidi (B): Basic Research, 2018, 255, 1700448.	0.7	14
184	Flexible Thermoelectric Paper and Its Thermoelectric Generator from Bacterial Cellulose/Ag₂Se Nanocomposites. ACS Applied Energy Materials, 2022, 5, 3489-3501.	2.5	14
185	High temperature thermoelectric properties of CoNb1â^'xHfxSn1â^'ySby half-Heusler compounds. Journal of Alloys and Compounds, 2004, 377, 312-315.	2.8	13
186	Thermal properties of yttrium hydride. Journal of Nuclear Materials, 2005, 344, 295-297.	1.3	13
187	Thermomechanical Properties of Hafnium Hydride. Journal of Nuclear Science and Technology, 2010, 47, 156-159.	0.7	13
188	Enhanced thermoelectric properties of Ga and In Co-added CoSb3-based skutterudites with optimized chemical composition and microstructure. AIP Advances, 2016, 6, 125015.	0.6	13
189	Ytterbium Silicide (YbSi₂): A Promising Thermoelectric Material with a High Power Factor at Room Temperature. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1700372.	1.2	13
190	Phase relation assessment for Oâ€“Puâ€“U ternary system. Journal of Nuclear Materials, 2004, 326, 185-194.	1.3	12
191	High temperature thermoelectric properties of CoNb1â^'M Sn half-Heusler compounds. Journal of Alloys and Compounds, 2004, 384, 303-307.	2.8	12
192	Influence of additive elements on the terminal solid solubility of hydrogen for Zirconium alloy. Journal of Nuclear Materials, 2005, 344, 291-294.	1.3	12
193	Thermal conductivity analysis of BaUO3 and BaZrO3 by semiempirical molecular dynamics simulation. Journal of Alloys and Compounds, 2006, 407, 49-52.	2.8	12
194	Synthesis and thermal conductivities of ZnIn2Te4 and CdIn2Te4 with defect-chalcopyrite structure. Journal of Alloys and Compounds, 2011, 509, 7484-7487.	2.8	12
195	Thermophysical properties of molten core materials: Zrâ€“Fe alloys measured by electrostatic levitation. Journal of Nuclear Science and Technology, 2016, 53, 1943-1950.	0.7	12
196	Thermoelectric properties of Si-NiSi2 bulk nanocomposites synthesized by a combined method of melt spinning and spark plasma sintering. Journal of Applied Physics, 2017, 121, .	1.1	12
197	Thermoelectric properties of Si/CoSi2 sub-micrometer composites prepared by melt-spinning technique. Journal of Applied Physics, 2017, 121, .	1.1	12
198	Physical properties of molten core materials: Zr-Ni and Zr-Cr alloys measured by electrostatic levitation. Journal of Nuclear Materials, 2017, 485, 129-136.	1.3	12

#	Article	IF	Citations
199	Effect of Ba concentration on phase stability and mechanical and thermal properties of La2Mo2O9. Journal of the European Ceramic Society, 2017, 37, 281-288.	2.8	12
200	Increased Seebeck Coefficient and Decreased Lattice Thermal Conductivity in Grain-Size-Controlled p-Type PbTeâ€“MgTe System. ACS Applied Energy Materials, 2018, 1, 6586-6592.	2.5	12
201	Chemical States of Fission Products and Actinides in Irradiated Oxide Fuels Analyzed by Thermodynamic Calculation and Post-Irradiation Examination. Progress in Nuclear Science and Technology, 2011, 2, 5-8.	0.3	12
202	Mechanical properties of (U,Ce)O2 with and without Nd or Zr. Journal of Alloys and Compounds, 2001, 327, 281-284.	2.8	11
203	Electronic states of hydrogen in zirconium oxide. Journal of Alloys and Compounds, 2002, 330-332, 307-312.	2.8	11
204	Physical properties of Mo6â^'xRuxTe8 and Mo6Te8â^'xSx. Journal of Alloys and Compounds, 2003, 350, 288-291.	2.8	11
205	Molecular Dynamics Study on Defect Structure of Gadolinia-Doped Thoria. Journal of Nuclear Science and Technology, 2007, 44, 1543-1549.	0.7	11
206	Mechanical properties at sub-microscale and macroscale of polycrystalline uranium mononitride. Journal of Nuclear Materials, 2009, 384, 6-11.	1.3	11
207	Effect of Nd and Pr addition on the thermal and mechanical properties of (U,Ce)O2. Journal of Nuclear Materials, 2009, 389, 85-88.	1.3	11
208	Characterization and thermomechanical properties of Ln₂Zr₂O₇ (Ln=La, Pr, Nd, Eu, Gd, Dy) and Nd₂Ce₂O₇. Materials Research Society Symposia Proceedings, 2013, 1514, 139-144.	0.1	11
209	Thermophysical and mechanical properties of CrB and FeB. Journal of Nuclear Science and Technology, 2019, 56, 859-865.	0.7	11
210	Photoelectrochemical study of hydrogen in zirconium oxide. Journal of Alloys and Compounds, 2002, 330-332, 645-648.	2.8	10
211	Thermophysical properties of layered rare earth copper oxides. Journal of Alloys and Compounds, 2003, 349, 269-272.	2.8	10
212	Thermoelectric and thermophysical properties of TiCoSb, ZrCoSb, HfCoSb prepared by SPS. , 2005, , .		10
213	A molecular dynamics study of zirconium nitride. Journal of Alloys and Compounds, 2005, 396, 260-263.	2.8	10
214	Compositional Difference of Thermoelectric Properties in Ag₉TlTe₅. Materials Transactions, 2006, 47, 1938-1940.	0.4	10
215	Molecular Dynamics Studies of Americium-Containing Mixed Oxide Fuels. Journal of Nuclear Science and Technology, 2006, 43, 1224-1227.	0.7	10
216	Thermoelectric Properties of La-Doped BaSi₂. Materials Transactions, 2008, 49, 1737-1740.	0.4	10

#	Article	IF	Citations
217	High-temperature thermoelectric properties of Cu2 In4 Te7. Physica Status Solidi - Rapid Research Letters, 2012, 6, 154-156.	1.2	10
218	How thermoelectric properties of p-type Tl-filled skutterudites are improved. APL Materials, 2013, 1, .	2.2	10
219	Effect of Ball-Milling Conditions on Thermoelectric Properties of Polycrystalline CuGaTe₂. Materials Transactions, 2014, 55, 1215-1218.	0.4	10
220	Enhancement of thermoelectric properties of CoSb₃ skutterudite by addition of Ga and In. Japanese Journal of Applied Physics, 2015, 54, 111801.	0.8	10
221	Improving thermoelectric properties of bulk Si by dispersing VSi₂ nanoparticles. Japanese Journal of Applied Physics, 2016, 55, 061301.	0.8	10
222	The effect of YSi₂ nanoinclusion on the thermoelectric properties of pâ€type SiGe alloy. Physica Status Solidi (A) Applications and Materials Science, 2017, 214, 1700235.	0.8	10
223	Thermal and mechanical properties of U3Si and USi3. Annals of Nuclear Energy, 2019, 133, 186-193.	0.9	10
224	Si-Based Materials for Thermoelectric Applications. Materials, 2019, 12, 1943.	1.3	10
225	Thermal conductivity of (U,Ce)O2 with and without Nd or Zr. Journal of Nuclear Materials, 2001, 294, 193-197.	1.3	9
226	Thermoelectric properties of Feâ€“Vâ€“Si Heusler type compounds. Journal of Alloys and Compounds, 2003, 359, 216-220.	2.8	9
227	Thermophysical properties of perovskite type alkaline-earth metals and plutonium complex oxides. Journal of Nuclear Materials, 2012, 422, 163-166.	1.3	9
228	Thermoelectric properties of Tl-filled Co-free p-type skutterudites: Tlx(Fe,Ni)4Sb12. Journal of Applied Physics, 2014, 115, 023702.	1.1	9
229	Thermoelectric properties of Au nanoparticleâ€supported Sb_{1.6}<scp>B</scp>i_{0.4}<scp>T</scp>e₃ synthesized by a Î³â€ray irradiation method. Physica Status Solidi (B): Basic Research, 2014, 251, 162-167.	0.7	9
230	Carrier Transport Properties of p-Type Siliconâ€“Metal Silicide Nanocrystal Composite Films. Journal of Electronic Materials, 2015, 44, 2074-2079.	1.0	9
231	Bi-doped lanthanum molybdate: Enhancing the anharmonicity and reducing the thermal conductivity using Bi3+ with lone pair electrons. Ceramics International, 2018, 44, 15833-15838.	2.3	9
232	Molecular Dynamics Studies of Minor Actinide Dioxides. Journal of Nuclear Science and Technology, 2004, 41, 827-831.	0.7	9
233	Reactions of uranium nitride with platinum-family metals. Journal of Nuclear Materials, 1997, 247, 322-327.	1.3	8
234	Phase equilibria in the ternary URu3â€“URh3â€“UPd3 system. Journal of Alloys and Compounds, 1998, 271-273, 641-644.	2.8	8

#	Article	IF	Citations
235	Heat capacities of BaMO3. Journal of Nuclear Science and Technology, 2002, 39, 823-826.	0.7	8
236	Thermodynamic modelling of the (U,Pu,Np)O2Â±x mixed oxide. Journal of Nuclear Materials, 2005, 344, 84-88.	1.3	8
237	Mechanical properties of Ag-doped Na1.5Co2O4. Journal of Alloys and Compounds, 2005, 403, 308-311.	2.8	8
238	Characterization of simulated burnup fuel by nanoindentation. Journal of Nuclear Materials, 2006, 350, 203-207.	1.3	8
239	Fabrication and Thermoelectric Properties of Ag₉TlTe<I>_X</I> (<I>X</I>=5.0∼6.0). Materials Transactions, 2007, 48, 2083-2087.	0.4	8
240	Thermoelectric Properties of the Thallium-Tellurium Binary Compounds. Materials Transactions, 2009, 50, 1582-1585.	0.4	8
241	Effects of Tl-filling into the voids and Rh substitution for Co on the thermoelectric properties of CoSb3. Journal of Alloys and Compounds, 2011, 509, 1084-1089.	2.8	8
242	Effect of Cooling Conditions on the Microstructure and Thermoelectric Properties of Zn/Si-Codoped InSb. Journal of Electronic Materials, 2013, 42, 2388-2392.	1.0	8
243	Thermoelectric Properties of Ca3Co4-x Ga x O9+Î´ Prepared by Thermal Hydro-decomposition. Journal of Electronic Materials, 2014, 43, 2064-2071.	1.0	8
244	Mechanical and Thermal Properties of Fe₂B. Transactions of the Atomic Energy Society of Japan, 2016, 15, 223-228.	0.2	8
245	Thermal and Electrical Conductivity of Liquid Alâ€“Si Alloys. International Journal of Thermophysics, 2019, 40, 1.	1.0	8
246	Thermoelectric Properties of Co- and Mn-Doped Al2Fe3Si3. Journal of Electronic Materials, 2019, 48, 475-482.	1.0	8
247	Enhancing Thermoelectric Properties of Higher Manganese Silicide (HMS) by Partial Ta Substitution. Journal of Electronic Materials, 2020, 49, 2726-2733.	1.0	8
248	Effects of the Defects on the Thermoelectric Properties of Cuâ€“Inâ€“Te Chalcopyrite-Related Compounds. Japanese Journal of Applied Physics, 2012, 51, 121803.	0.8	8
249	Re-evaluation of the phase relationship between plutonium and zirconium dioxides. Progress in Nuclear Energy, 2001, 38, 237-240.	1.3	7
250	A molecular dynamics study on BaUO3. Journal of Nuclear Science and Technology, 2002, 39, 815-818.	0.7	7
251	Thermoelectric properties of ZrNiSn based half Heusler compounds. , 2005, , .		7
252	High-temperature Hall measurements of lanthanide based ternary intermetallics. Journal of Applied Physics, 2007, 102, 023705.	1.1	7

#	Article	IF	Citations
253	Thermal properties of polycrystalline NdN bulk samples with various porosities. Journal of Nuclear Materials, 2008, 376, 83-87.	1.3	7
254	Thermoelectric properties of Zn-Sn-Sb based alloys. Materials Research Society Symposia Proceedings, 2011, 1314, 1.	0.1	7
255	Synthesis and high-temperature thermoelectric properties of Ni3GaSb and Ni3InSb. Journal of Alloys and Compounds, 2011, 509, 4014-4017.	2.8	7
256	Thermal Conductivity of Size-Controlled Bulk Silicon Nanocrystals Using Self-Limiting Oxidation and HF Etching. Applied Physics Express, 2012, 5, 081302.	1.1	7
257	Enhancement of thermoelectric efficiency of CoSb3-based skutterudites by double filling with K and Tl. Frontiers in Chemistry, 2014, 2, 84.	1.8	7
258	Thermophysical properties of BaThO3. Journal of Nuclear Materials, 2014, 448, 62-65.	1.3	7
259	Thermoelectric properties of gallium-doped p-type germanium. Japanese Journal of Applied Physics, 2016, 55, 051301.	0.8	7
260	Synthesis of High-Density Bulk Tin Monoxide and Its Thermoelectric Properties. Materials Transactions, 2018, 59, 1022-1029.	0.4	7
261	Thermal properties of Mo3Te4. Journal of Nuclear Materials, 2001, 294, 179-182.	1.3	6
262	Phase equilibria in the BaUO3-BaZrO3-BaMoO3 system. Journal of Nuclear Science and Technology, 2002, 39, 807-810.	0.7	6
263	Thermoelectric properties of calcium silicides. , 2006, , .		6
264	Thermal Conductivity Characterization in Bulk Zn(Mn,Ga)O₄ with Self-Assembled Nanocheckerboard Structures. Japanese Journal of Applied Physics, 2009, 48, 010201.	0.8	6
265	Effects of the Defects on the Thermoelectric Properties of Cuâ€“Inâ€“Te Chalcopyrite-Related Compounds. Japanese Journal of Applied Physics, 2012, 51, 121803.	0.8	6
266	Synthesis and thermal conductivity of Y₆UO₁₂. Journal of Nuclear Science and Technology, 2012, 49, 526-530.	0.7	6
267	Thermoelectric properties and microstructures of AgSbTe₂â€added pâ€type Pb_{0.16}Ge_{0.84}Te. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 167-170.	0.8	6
268	Preparation and characterization of the simulated burnup americium-containing uraniumâ€“plutonium mixed oxide fuel. Journal of Nuclear Materials, 2012, 420, 207-212.	1.3	6
269	The effect of carbon on the evolution of vacancy defects in electron-irradiated nickel studied by positron annihilation. Journal of Nuclear Materials, 2013, 434, 198-202.	1.3	6
270	Local structure determination of substitutional elements in Ca3Co4â^'xMxO9(Mâ€‰=â€‰Fe, Cr, Ga) using X-ray absorption spectroscopy. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1732-1739.	0.8	6

#	Article	IF	Citations
271	Thermoelectric properties of Si/SiB3 sub-micro composite prepared by melt-spinning technique. Journal of Applied Physics, 2015, 118, .	1.1	6
272	Thermoelectric Properties of (100) Oriented Silicon and Nickel Silicide Nanocomposite Films Grown on Si on Insulator and Si on Quartz Glass Substrates. Materials Transactions, 2016, 57, 1076-1081.	0.4	6
273	Thermoelectric Properties of Cr₁₋<i>_x</i>W<i>_x</i>Si<sub>2</sub Materials Transactions, 2016, 57, 1059-1065.		
274	Effect of oxygen defects on thermal conductivity of thorium-cerium dioxide solid solutions. Journal of Nuclear Materials, 2017, 483, 192-198.	1.3	6
275	Thermoelectric properties of phosphorus-doped indium tellurosilicate: InSiTe3. Journal of Alloys and Compounds, 2018, 735, 75-80.	2.8	6
276	Thermoelectric Properties of <i>p</i>-Type Half-Heusler Compounds FeNb_{0.9}<i>M</i>_{0.1}Sb (<i>M</i> = Ti,) Tj ETQq1 0.4 0 rgBT /Overlock		6
277	Enhancement of thermoelectric properties of p-type single-filled skutterudites CexFeyCo4-ySb12 by tuning the Ce and Fe content. AIP Advances, 2018, 8, 105104.	0.6	6
278	Synthesis of Silicon and Higher Manganese Silicide Bulk Nano-composites and Their Thermoelectric Properties. Journal of Electronic Materials, 2020, 49, 2920-2927.	1.0	6
279	Extremely Low Thermal Conductivity Substances as Novel Thermoelectric Materials. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	5
280	Microscale Seebeck Scanning of Polycrystalline Samples of N-Type AgPb₁₈SbTe₂₀ and P-Type AgPb₉Sn₉SbTe₂₀. Materials Transactions, 2006, 47, 1440-1444.	0.4	5
281	Prediction of oxygen potential in americium thorium oxides phase of a cermet fuel. Journal of Nuclear Materials, 2007, 362, 374-382.	1.3	5
282	Thermoelectric Properties of TlCu3Te2 and TlCu2Te2. Journal of Electronic Materials, 2009, 38, 1350-1353.	1.0	5
283	Fabrication and mechanical characterization of zirconium and gadolinium hydrides. Journal of Nuclear Materials, 2009, 389, 170-172.	1.3	5
284	Thermal conductivity of Y6WO12 and Yb6WO12 ceramics. Journal of Nuclear Materials, 2011, 419, 357-360.	1.3	5
285	Thermoelectric Properties of p-Type Tl-Filled Skutterudites: Tl x Fe1.5Co2.5Sb12. Journal of Electronic Materials, 2015, 44, 1743-1749.	1.0	5
286	Reduction of lattice thermal conductivity of pseudogap intermetallic compound Al₃V. Physica Status Solidi (B): Basic Research, 2016, 253, 469-472.	0.7	5
287	High wettability of liquid caesium iodine with solid uranium dioxide. Scientific Reports, 2017, 7, 11449.	1.6	5
288	Naturally decorated dislocations capable of enhancing multiple-phonon scattering in Si-based thermoelectric composites. Journal of Applied Physics, 2018, 123, 115114.	1.1	5

#	Article	IF	Citations
289	Transport properties of niobium doped MNiSn (M = Ti, Zr). , 2006, , .		4
290	Thermoelectric properties of (Ti,Zr) CoSnxSb1-x half-Heusler compounds. , 2006, , .		4
291	Solid-State Self-Assembly of Nanostructured Oxide as a Candidate High-Performance Thermoelectric Material. Journal of Electronic Materials, 2009, 38, 1303-1308.	1.0	4
292	Thermal transport properties of hafnium hydrides and deuterides. Journal of Nuclear Materials, 2009, 392, 464-470.	1.3	4
293	Effect of Rh Substitution for Co on the Thermoelectric Properties of CoSb₃. Materials Transactions, 2010, 51, 882-886.	0.4	4
294	Thermal Conductivity Analysis of the Complex Oxides Composed of Alkali or Alkaline-Earth Metals and Molybdenum. Transactions of the Atomic Energy Society of Japan, 2010, 9, 21-28.	0.2	4
295	Thermoelectric Properties of ^|^alpha;-Ag9GaTe6. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2012, 76, 504-507.	0.2	4
296	Properties of Cold-Pressed Metal Hydride Materials for Neutron Shielding in a Dâ€“T Fusion Reactor. Plasma and Fusion Research, 2015, 10, 3405021-3405021.	0.3	4
297	Synthesis and Characterization of Melt-Spun Metastable Al6Ge5. Journal of Electronic Materials, 2015, 44, 948-952.	1.0	4
298	Thermal conductivity and electrical resistivity of liquid Agâ€“In alloy. Journal of Nuclear Science and Technology, 2018, 55, 568-574.	0.7	4
299	Wettability of liquid caesium iodine and boron oxide on yttria-stabilized zirconia. Journal of Nuclear Science and Technology, 2018, 55, 838-842.	0.7	4
300	First-principles calculation study of Mg₂XH₆ (X=Fe, Ru) on thermoelectric properties. Materials Research Express, 2019, 6, 085536.	0.8	4
301	Low temperature heat capacity of Cs2Si4O9. Journal of Nuclear Science and Technology, 2020, 57, 852-857.	0.7	4
302	Realizing Excellent nâ€•and pâ€Type Niobiumâ€Based Halfâ€Heusler Compounds Based on Thermoelectric Properties and Highâ€Temperature Stability. Advanced Electronic Materials, 2020, 6, 2000083.	2.6	4
303	Thermoelectric Properties of In<i>_x</i>FeCo₃Sb₁₂ Consisting Mainly of In-Filled <i>p</i>-Type Skutterudites. Materials Transactions, 2017, 58, 1207-1211.	0.4	4
304	Thermal Conductivity of Hafnium Hydride. Journal of Nuclear Science and Technology, 2009, 46, 814-818.	0.7	4
305	Formation of the Cu3Au type solid solution of UPd3 by doping a small amount of URu3. Journal of Alloys and Compounds, 1998, 274, 222-228.	2.8	3
306	Thermal conductivities of uranium intermetallic compounds. Journal of Nuclear Science and Technology, 2002, 39, 811-814.	0.7	3

#	Article	IF	Citations
307	Preparation of Nitride Fuel by Spark Plasma Sintering Technique. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	3
308	Effect of (Pb,Ge)Te Addition on the Phase Stability and the Thermoelectric Properties of AgSbTe2. Materials Research Society Symposia Proceedings, 2010, 1267, 1.	0.1	3
309	Oxygen non-stoichiometries in (Th0.7Ce0.3)O2â^'x. Journal of Nuclear Materials, 2011, 408, 285-288.	1.3	3
310	Neutron Reflector Materials (Be, Hydrides). , 2012, , 307-321.		3
311	Reduction of thermal conductivity in semiconducting composite films consisting of silicon and transition-metal silicide nanocrystals. Materials Research Society Symposia Proceedings, 2013, 1456, 64.	0.1	3
312	Thermoelectric Properties of Group 13 Elements-Triple Filled Skutterudites: Nominal In<i>_x</i>Ga_{0.02}Tl_{0.20}Co₄Sb₁₂. Materials Transactions, 2014, 55, 1232-1236.	1.3	3
313	Effect of Mo content on thermal and mechanical properties of Moâ€“Ruâ€“Rhâ€“Pd alloys. Journal of Nuclear Materials, 2015, 456, 369-372.	1.3	3
314	Enhanced Thermoelectric Properties of Ga and Ce Double-Filled p-Type Skutterudites. Materials Transactions, 2019, 60, 1078-1082.	0.4	3
315	Experimental study of the thermoelectric properties of YbH2. Journal of Alloys and Compounds, 2020, 821, 153496.	2.8	3
316	Thermomechanical Properties of Hafnium Hydride. Journal of Nuclear Science and Technology, 2010, 47, 156-159.	0.7	3
317	Ultralow Thermal Conductivity of Highly Dense ZrW₂O₈ Ceramics with Negative Thermal Expansion. Advanced Engineering Materials, 2022, 24, .	1.6	3
318	Thermophysical Properties of BaZrO3 and BaCeO3.. ChemInform, 2003, 34, no.	0.1	2
319	Thermoelectric Properties of Tl-X-Te (X=Pb, Sn, Ge) Systems. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	2
320	High Temperature Thermoelectric Properies of LnPdX (Ln = lanthanide; X = Sb, Bi) Ternary Compounds. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	2
321	Thermoelectric Properties of Ag-Tl-Te Ternary System. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	2
322	Thermoelectric properties of n-type Ag-Pb-Sb-Te compounds. , 2005, , .		2
323	Thallium-Free Thermoelectric Materials with Extremely Low Thermal Conductivity. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	2
324	Thermoelectric Properties of Lanthanide Based Intermetallics. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2007, 54, 370-374.	0.1	2

#	Article	IF	Citations
325	Effect of Cu Doping into the Ga Site on the Thermoelectric Properties of AgGaTe2 with Chalcopyrite Structure. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2012, 59, 206-209.	0.1	2
326	- Bismuth Telluride Alloys for Waste Energy Harvesting and Cooling Applications. , 2012, , 137-154.		2
327	Nanostructuring and Thermoelectric Characterization of (GaSb)3(1â^'x)(Ga2Te3) x. Journal of Electronic Materials, 2013, 42, 1719-1724.	1.0	2
328	Microstructure and Thermal Conductivity of RuAl₂ Prepared by a Single-Roll Melt-Spinning Method. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 573-576.	0.2	2
329	Thermal Conductivity of β-FeSi₂–Si Self-Assembled Nanocomposite. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 586-590.	0.2	2
330	Thermophysical properties of americium-containing barium plutonate. Journal of Nuclear Science and Technology, 2015, 52, 1285-1289.	0.7	2
331	Role of Nanoscale Precipitates for Enhancement of Thermoelectric Properties of Heavily P-Doped Si-Ge Alloys. Materials Transactions, 2016, 57, 1070-1075.	0.4	2
332	Isotope effect and hydrogen content dependence on the heat capacity and thermal conductivity of zirconium hydride and deuteride. Journal of Nuclear Science and Technology, 2016, 53, 508-512.	0.7	2
333	Thermal Conductivity and Electrical Resistivity of Liquid Sn-Bi Alloys. Netsu Bussei, 2017, 31, 11-16.	0.1	2
334	Fabrication and Thermoelectric Property of Bi_{0.88}Sb_{0.12}/InSb Eutectic Alloy by Melt Spinning and Spark Plasma Sintering. Materials Transactions, 2019, 60, 1072-1077.	0.4	2
335	Fabrication and thermoelectric property of nanostructured Si/Cr0.8Mn0.2Si2 eutectic alloy by melt-spinning. Materials Research Express, 2019, 6, 025702.	0.8	2
336	Enhancement of Thermoelectric Figure of Merit of pâ€Type Nb 0.9 Ti 0.1 FeSb Halfâ€Heusler Compound by Nanostructuring. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000419.	0.8	2
337	Neutron Reflector Materials (Be, Hydrides). , 2020, , 382-399.		2
338	Molecular Dynamics Studies of Americium-Containing Mixed Oxide Fuels. Journal of Nuclear Science and Technology, 2006, 43, 1224-1227.	0.7	2
339	Thermodynamic Equilibrium Calculations on the Oxidation Behavior of the Mo-Ru-Rh-Pd Alloys. Transactions of the Atomic Energy Society of Japan, 2012, 11, 30-36.	0.2	2
340	Large Anharmonicity and Low Lattice Thermal Conductivity of Thermoelectric Sn(SbTe₂)₂. Physica Status Solidi - Rapid Research Letters, 2022, 16, 2100482.	1.2	2
341	Physico-chemical Properties of Fe²P-type Uranium Intermetallic Compounds. Journal of Nuclear Science and Technology, 2002, 39, 645-648.	0.7	1
342	Electronic states of BaUO3. Journal of Nuclear Science and Technology, 2002, 39, 784-786.	0.7	1

#	Article	IF	Citations
343	Photoelectrochemical study of hydrogen in Zircalloy-2 oxide films. Journal of Alloys and Compounds, 2004, 368, 18-21.	2.8	1
344	Nanoindentation of zirconium oxide films prepared near the Î±/Î² transformation temperature. Journal of Alloys and Compounds, 2004, 363, 258-261.	2.8	1
345	Thermoelectric Properties of ?-BaCu2S2.. ChemInform, 2005, 36, no.	0.1	1
346	Thermoelectric Properties of Tl2Te-Sb2Te3 Pseudo-Binary System. Materials Research Society Symposia Proceedings, 2005, 886, 1.	0.1	1
347	Ag/sub 9/TlTe/sub 5/ and AgTlTe: high ZT materials with extremely low thermal conductivity. , 2005, , .		1
348	Effect of carrier doping on the thermal conductivity of MNiSn based half-Heusler alloy. , 2006, , .		1
349	Thermoelectric properties of alkaline-earth silicides. , 2007, , .		1
350	Thermoelectric properties of p-type half-Heusler compound: Sn-doped ErNiSb. , 2007, , .		1
351	Indentation study of titanium, zirconium, and hafnium hydrides. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	1
352	Modeling and Simulation of Thermophysical Properties of Minor Actinides-Containing Oxide Fuels. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	1
353	Thermoelectric Properties of Tl₈GeTe₅ with Low Thermal Conductivity. Materials Transactions, 2008, 49, 1728-1730.	0.4	1
354	Thermophysical properties of SrUO4. Journal of Nuclear Materials, 2011, 419, 353-356.	1.3	1
355	Back Cover: Lowâ€thermalâ€conductivity group 13 chalcogenides as highâ€efficiency thermoelectric materials (Phys. Status Solidi A 1/2013). Physica Status Solidi (A) Applications and Materials Science, 2013, 210, .	0.8	1
356	Effects of Hf on Thermal and Mechanical Properties of Zr Hydrides. Transactions of the Atomic Energy Society of Japan, 2013, 12, 67-75.	0.2	1
357	Theî´â€²/î´phase transition in hafnium hydride and deuteride. Journal of Nuclear Science and Technology, 2014, , 1-5.	0.7	1
358	Thermoelectric Properties of RE5X3(RE=Gd, La, X=Si, Ge). Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2014, 78, 225-229.	0.2	1
359	Enhancement of Thermoelectric Properties of Silicon by Nanoscale Structure Control. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2015, 79, 569-572.	0.2	1
360	Thermal and mechanical properties of hydrides of Zrâ€“Hf alloys. Journal of Nuclear Science and Technology, 2015, 52, 162-170.	0.7	1

#	Article	IF	Citations
361	Electronic Structure and Thermoelectric Properties of Pseudogap Intermetallic Compound Al₅Co₂. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2017, 81, 55-59.	0.2	1
362	Thermoelectric Properties of Bulk Yttrium Silicide (YSi2) Fabricated by Arc Melting and Spark Plasma Sintering. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1700769.	0.8	1
363	Ytterbium Silicide (YbSi2): A Promising Thermoelectric Material with a High Power Factor at Room Temperature (Phys. Status Solidi RRL 2/2018). Physica Status Solidi - Rapid Research Letters, 2018, 12, 1870308.	1.2	1
364	Development of thermodynamic databases in the system Uâ€“Zrâ€“Ceâ€“Csâ€“Feâ€“Bâ€“Câ€“Iâ€“Oâ€“H for application to simulating phase equilibria in severe nuclear accidents. Journal of Nuclear Science and Technology, 2018, 55, 885-899.	0.7	1
365	Thermoelectric Properties of Size-Controlled Si and Metal Silicides Nanocomposites. Journal of Physics: Conference Series, 2018, 1052, 012124.	0.3	1
366	A first-principles theoretical study on the potential thermoelectric properties of MgH2 and CaH2. Materials Research Express, 2019, 6, 055510.	0.8	1
367	Recent activities in the field of nuclear materials and nuclear fuels. Journal of Nuclear Science and Technology, 2019, 56, 147-149.	0.7	1
368	Synthesis and characterization of bulk Siâ€“Ti nanocomposite and comparisons of approaches for enhanced thermoelectric properties in nanocomposites composed of Si and various metal silicides. Journal of Applied Physics, 2020, 128, 095101.	1.1	1
369	Controlled thermal expansion and thermoelectric properties of Mg2Si/Si composites. Journal of Applied Physics, 2021, 130, 035105.	1.1	1
370	Molecular Dynamics Study on Defect Structure of Gadolinia-Doped Thoria. Journal of Nuclear Science and Technology, 2007, 44, 1543-1549.	0.7	1
371	Wettability of Liquid Cesium Halides on Oxide Single Crystals. Transactions of the Atomic Energy Society of Japan, 2019, 18, 1-5.	0.2	1
372	Hydrogen solubility in uranium intermetallic compounds with Fe2P type structure. Journal of Nuclear Science and Technology, 2002, 39, 642-644.	0.7	0
373	Thermal conductivity modeling of high burnup MOX fuel. Journal of Nuclear Science and Technology, 2002, 39, 862-865.	0.7	0
374	Thermophysical Properties of Layered Rare Earth Copper Oxides.. ChemInform, 2003, 34, no.	0.1	0
375	Thermoelectric Properties of Layered Rare Earth Copper Oxides.. ChemInform, 2003, 34, no.	0.1	0
376	Physical Properties of Mo6-xRuxTe8 and Mo6Te8-xSx.. ChemInform, 2003, 34, no.	0.1	0
377	Thermoelectric Properties of Ni- and Zn-Doped Nd2CuO4.. ChemInform, 2003, 34, no.	0.1	0
378	Thermophysical Properties of Fe2VAl. ChemInform, 2003, 34, no.	0.1	0

#	Article	IF	Citations
379	Thermoelectric Properties of TlBiTe2.. ChemInform, 2003, 34, no.	0.1	0
380	Thermophysical Properties of Tl9BiTe6 and TlBiTe2.. ChemInform, 2003, 34, no.	0.1	0
381	Thermal Properties of SrCeO3.. ChemInform, 2003, 34, no.	0.1	0
382	Thermoelectric Properties of Tl9BiTe6.. ChemInform, 2003, 34, no.	0.1	0
383	Heat Capacities and Thermal Conductivities of Perovskite Type BaZrO3 and BaCeO3.. ChemInform, 2003, 34, no.	0.1	0
384	High Temperature Thermoelectric Properties of NiZrSn Half-Heusler Compounds.. ChemInform, 2004, 35, no.	0.1	0
385	Thermoelectric Properties of Perovskite Type Barium Molybdate.. ChemInform, 2004, 35, no.	0.1	0
386	Thermoelectric Properties of Thallium Antimony Telluride.. ChemInform, 2004, 35, no.	0.1	0
387	Electrical Properties of ?-BaCu2S2.. ChemInform, 2005, 36, no.	0.1	0
388	Molecular Dynamics Studies on Neptunium Dioxide.. ChemInform, 2005, 36, no.	0.1	0
389	Electrical Properties of Ag1-xPb18SbTe20 (x: 0, 0.1, 0.3).. ChemInform, 2005, 36, no.	0.1	0
390	Thermal and Electrical Properties of Perovskite-Type Strontium Molybdate.. ChemInform, 2005, 36, no.	0.1	0
391	A Molecular Dynamics Study of Thorium Nitride. ChemInform, 2005, 36, no.	0.1	0
392	Extremely Low Thermal Conductivity of AgTlTe.. ChemInform, 2005, 36, no.	0.1	0
393	Thermoelectric Properties of Ag8GeTe6.. ChemInform, 2005, 36, no.	0.1	0
394	Thermoelectric properties of ternary copper thallium telluride: CuTl/sub 9/Te/sub 5/. , 2005, , .		0
395	Enhancement of Thermoelectric Figure of Merit in Ternary Silver Thallium Tellurides by Controlling the Carrier Concentration. , 2006, , .		0
396	Thermoelectric properties of Pd alloyed AgTlTe. , 2006, , .		0

#	Article	IF	Citations
397	Lanthanide Based Ternary Intermetallics as Advanced Thermoelectric Materials. Materials Research Society Symposia Proceedings, 2006, 980, 44.	0.1	0
398	Thermophysical Properties of PuO2 and AmO2 Solid Solutions Simulated by Molecular Dynamics. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	0
399	Thermal Properties of Simulated High Burn up Nitride Fuels and Nitride ADS Targets. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	0
400	Thermodynamic Modeling of Plutonium Oxide Containing Americium. Materials Research Society Symposia Proceedings, 2007, 1043, 1.	0.1	0
401	Thermoelectric Properties of La-doped BaSi2 and (Ba,Sr)Si2 Solid Solutions. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	0
402	Thermoelectric properties of Ag8Tl2Te5 and AgTl3Te2. , 2007, , .		0
403	Oxygen Potential of (Th0.7Ce0.3)O2-x. Materials Research Society Symposia Proceedings, 2009, 1215, 1.	0.1	0
404	Thermal Conductivities of Cs-M-O (M= Mo or U) Ternary Compounds. Materials Research Society Symposia Proceedings, 2009, 1215, 1.	0.1	0
405	Effect of Americium and Simulated Fission Products Addition on Oxygen Potential of Uranium-Plutonium Mixed Oxide Fuels. Materials Research Society Symposia Proceedings, 2009, 1215, 1.	0.1	0
406	Thermal and Mechanical Properties of Hf Hydrides with Various Hydrogen Content. Materials Research Society Symposia Proceedings, 2009, 1215, 1.	0.1	0
407	Thermophysical properties of (U,Y)O2. Journal of Nuclear Materials, 2009, 389, 155-159.	1.3	0
408	Thermoelectric Properties of CoSb3-based Skutterudite Compounds. Materials Research Society Symposia Proceedings, 2010, 1267, 1.	0.1	0
409	Enhancement of the Thermoelectric Performance by Controlling the Distribution of the Structural Vacancies. Materia Japan, 2011, 50, 146-148.	0.1	0
410	Phase State and Physical Properties of the Mo-Ru-Ph-Pd Alloys. Materials Research Society Symposia Proceedings, 2011, 1298, 41.	0.1	0
411	Reduction in Lattice Thermal Conductivity of InSb by Formation of the ZnIn₁₈GeSb₂₀ Alloy. Materials Transactions, 2012, 53, 1976-1980.	0.4	0
412	Back Cover: High-temperature thermoelectric properties of Cu2In4Te7 (Phys. Status Solidi RRL 4/2012). Physica Status Solidi - Rapid Research Letters, 2012, 6, n/a-n/a.	1.2	0
413	Thermophysical properties of BaUO4. Journal of Nuclear Materials, 2013, 443, 218-221.	1.3	0
414	Reinvestigation the Thermal and Electrical Transport Properties of Tl₇Sb₂. Advanced Materials Research, 2013, 802, 284-288.	0.3	0

#	Article	IF	Citations
415	Phase State and Thermal and Mechanical Properties of Zr-Er Alloys. Transactions of the Atomic Energy Society of Japan, 2015, 14, 123-127.	0.2	0
416	Thermoelectric properties of Fe and Al co-added Ge. Japanese Journal of Applied Physics, 2017, 56, 045502.	0.8	0
417	Synthesis and Characterization of CeO₂-Based Simulated Fuel Containing CsI. Transactions of the Atomic Energy Society of Japan, 2018, 17, 106-110.	0.2	0
418	Nanostructured bulk Si for thermoelectrics synthesized by surface diffusion/sintering doping. RSC Advances, 2019, 9, 15496-15501.	1.7	0
419	Tuning valence electron concentration in the Mo13Ge23-Ru2Ge3 pseudobinary system for enhancement of the thermoelectric properties. Journal of Applied Physics, 2019, 125, 025108.	1.1	0
420	Beneficial influence of iodine substitution on the thermoelectric properties of Mo3Sb7. Journal of Applied Physics, 2020, 127, 105101.	1.1	0
421	Computer Simulation Makes Atomic-Design of Nuclear Fuel ; Molecular Dynamic Studies of Nuclear Fuels. Atomos, 2007, 49, 676-680.	0.0	0
422	Effects of Zr/Gd Ratio and Hydrogen Content on the Mechanical and Thermal Properties of Hydrides of Zr-Gd Alloys. Transactions of the Atomic Energy Society of Japan, 2011, 10, 48-54.	0.2	0
423	Thermoelectric Properties of CoSb3 Based Skutterudites Filled by Group 13 Elements. Lecture Notes in Nanoscale Science and Technology, 2014, , 301-325.	0.4	0
424	Bottom-up nanostructured silicon for thermoelectrics. Series in Materials Science and Engineering, 2017, , 539-554.	0.1	0
425	Interaction of Liquid CsIO₃ with a Polycrystalline UO₂ Solid Surface. Transactions of the Atomic Energy Society of Japan, 2020, 19, 147-151.	0.2	0