Ken Kurosaki

List of Publications by Year
in descending order

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	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
2	Large Anharmonicity and Low Lattice Thermal Conductivity of Thermoelectric Sn(SbTe₂)₂. Physica Status Solidi - Rapid Research Letters, 2022, 16, 2100482.	1.2	2
3	Flexible Thermoelectric Paper and Its Thermoelectric Generator from Bacterial Cellulose/Ag₂Se Nanocomposites. ACS Applied Energy Materials, 2022, 5, 3489-3501.	2.5	14
4	A simple method for fabricating flexible thermoelectric nanocomposites based on bacterial cellulose nanofiber and Ag2Se. Applied Physics Letters, 2022, 120, .	1.5	15
5	Ultralow Thermal Conductivity of Highly Dense ZrW₂O₈ Ceramics with Negative Thermal Expansion. Advanced Engineering Materials, 2022, 24, .	1.6	3
6	Controlled thermal expansion and thermoelectric properties of Mg2Si/Si composites. Journal of Applied Physics, 2021, 130, 035105.	1.1	1
7	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
8	Enhancing Thermoelectric Properties of Higher Manganese Silicide (HMS) by Partial Ta Substitution. Journal of Electronic Materials, 2020, 49, 2726-2733.	1.0	8
9	Experimental study of the thermoelectric properties of YbH2. Journal of Alloys and Compounds, 2020, 821, 153496.	2.8	3
10	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
11	Neutron Reflector Materials (Be, Hydrides). , 2020, , 382-399.		2
12	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
13	Beneficial influence of iodine substitution on the thermoelectric properties of Mo3Sb7. Journal of Applied Physics, 2020, 127, 105101.	1.1	0
14	Synthesis, microstructure, multifunctional properties of mayenite Ca12Al14O33 (C12A7) cement and graphene oxide (GO) composites. Scientific Reports, 2020, 10, 11077.	1.6	22
15	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
16	Low temperature heat capacity of Cs2Si4O9. Journal of Nuclear Science and Technology, 2020, 57, 852-857.	0.7	4
17	High Thermoelectric Power Factor of Siâ€“Mg₂Si Nanocomposite Ribbons Synthesized by Melt Spinning. ACS Applied Energy Materials, 2020, 3, 1962-1968.	2.5	17
18	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

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19	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
20	Density and viscosity of liquid ZrO2 measured by aerodynamic levitation technique. Heliyon, 2019, 5, e02049.	1.4	44
21	Nanostructured bulk Si for thermoelectrics synthesized by surface diffusion/sintering doping. RSC Advances, 2019, 9, 15496-15501.	1.7	0
22	Thermal and mechanical properties of U3Si and USi3. Annals of Nuclear Energy, 2019, 133, 186-193.	0.9	10
23	Si-Based Materials for Thermoelectric Applications. Materials, 2019, 12, 1943.	1.3	10
24	First-principles calculation study of Mg₂XH₆ (X=Fe, Ru) on thermoelectric properties. Materials Research Express, 2019, 6, 085536.	0.8	4
25	Thermal and Electrical Conductivity of Liquid Alâ€“Si Alloys. International Journal of Thermophysics, 2019, 40, 1.	1.0	8
26	Thermophysical and mechanical properties of CrB and FeB. Journal of Nuclear Science and Technology, 2019, 56, 859-865.	0.7	11
27	A first-principles theoretical study on the potential thermoelectric properties of MgH2 and CaH2. Materials Research Express, 2019, 6, 055510.	0.8	1
28	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
29	Enhanced Thermoelectric Properties of Ga and Ce Double-Filled p-Type Skutterudites. Materials Transactions, 2019, 60, 1078-1082.	0.4	3
30	Fabrication and thermoelectric property of nanostructured Si/Cr0.8Mn0.2Si2 eutectic alloy by melt-spinning. Materials Research Express, 2019, 6, 025702.	0.8	2
31	Recent activities in the field of nuclear materials and nuclear fuels. Journal of Nuclear Science and Technology, 2019, 56, 147-149.	0.7	1
32	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
33	Thermoelectric Properties of Co- and Mn-Doped Al2Fe3Si3. Journal of Electronic Materials, 2019, 48, 475-482.	1.0	8
34	Wettability of Liquid Cesium Halides on Oxide Single Crystals. Transactions of the Atomic Energy Society of Japan, 2019, 18, 1-5.	0.2	1
35	Thermal conductivity and electrical resistivity of liquid Agâ€“In alloy. Journal of Nuclear Science and Technology, 2018, 55, 568-574.	0.7	4
36	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

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37	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
38	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
39	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
40	Effect of hydrogenation conditions on the microstructure and mechanical properties of zirconium hydride. Journal of Nuclear Materials, 2018, 500, 145-152.	1.3	14
41	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
42	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
43	Naturally decorated dislocations capable of enhancing multiple-phonon scattering in Si-based thermoelectric composites. Journal of Applied Physics, 2018, 123, 115114.	1.1	5
44	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
45	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
46	Thermoelectric properties of phosphorus-doped indium tellurosilicate: InSiTe3. Journal of Alloys and Compounds, 2018, 735, 75-80.	2.8	6
47	Chalcopyrite ZnSnSb₂: A Promising Thermoelectric Material. ACS Applied Materials & Interfaces, 2018, 10, 43682-43690.	4.0	22
48	High thermoelectric power factor of ytterbium silicon-germanium. Applied Physics Letters, 2018, 113, .	1.5	15
49	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 1 0.784314 rgB		
50	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
51	Synthesis of High-Density Bulk Tin Monoxide and Its Thermoelectric Properties. Materials Transactions, 2018, 59, 1022-1029.	0.4	7
52	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
53	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
54	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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55	Thermoelectric Properties of Size-Controlled Si and Metal Silicides Nanocomposites. Journal of Physics: Conference Series, 2018, 1052, 012124.	0.3	1
56	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
57	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
58	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
59	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
60	Thermoelectric properties of Fe and Al co-added Ge. Japanese Journal of Applied Physics, 2017, 56, 045502.	0.8	0
61	A new semiconductor Al 2 Fe 3 Si 3 with complex crystal structure. Intermetallics, 2017, 89, 51-56.	1.8	21
62	Thermoelectric properties of Si/CoSi2 sub-micrometer composites prepared by melt-spinning technique. Journal of Applied Physics, 2017, 121, .	1.1	12
63	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
64	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
65	Enhancement of Thermoelectric Properties of Bulk Si by Dispersing Size-Controlled VSi2. Journal of Electronic Materials, 2017, 46, 3249-3255.	1.0	15
66	Mechanical and thermal properties of ZrSiO₄. Journal of Nuclear Science and Technology, 2017, 54, 1267-1273.	0.7	36
67	High wettability of liquid caesium iodine with solid uranium dioxide. Scientific Reports, 2017, 7, 11449.	1.6	5
68	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
69	Effect of oxygen defects on thermal conductivity of thorium-cerium dioxide solid solutions. Journal of Nuclear Materials, 2017, 483, 192-198.	1.3	6
70	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
71	Thermal Conductivity and Electrical Resistivity of Liquid Sn-Bi Alloys. Netsu Bussei, 2017, 31, 11-16.	0.1	2
72	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

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73	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
74	Bottom-up nanostructured silicon for thermoelectrics. Series in Materials Science and Engineering, 2017, , 539-554.	0.1	0
75	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
76	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
77	Mechanical and Thermal Properties of Fe₂B. Transactions of the Atomic Energy Society of Japan, 2016, 15, 223-228.	0.2	8
78	Enhanced Thermoelectric Properties of Silicon via Nanostructuring. Materials Transactions, 2016, 57, 1018-1021.	0.4	24
79	Improving thermoelectric properties of bulk Si by dispersing VSi₂ nanoparticles. Japanese Journal of Applied Physics, 2016, 55, 061301.	0.8	10
80	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
81	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
82	Thermoelectric Properties of Cr₁₋<i>_x</i>W<i>_x</i>Si<sub>2</sub Materials Transactions, 2016, 57, 1059-1065.		
83	Thermoelectric properties of gallium-doped p-type germanium. Japanese Journal of Applied Physics, 2016, 55, 051301.	0.8	7
84	Reduction of lattice thermal conductivity of pseudogap intermetallic compound Al₃V. Physica Status Solidi (B): Basic Research, 2016, 253, 469-472.	0.7	5
85	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
86	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
87	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
88	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
89	Thermoelectric properties of Si/SiB3 sub-micro composite prepared by melt-spinning technique. Journal of Applied Physics, 2015, 118, .	1.1	6
90	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

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91	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
92	Enhancement of thermoelectric properties of CoSb₃ skutterudite by addition of Ga and In. Japanese Journal of Applied Physics, 2015, 54, 111801.	0.8	10
93	Synthesis and Characterization of Melt-Spun Metastable Al6Ge5. Journal of Electronic Materials, 2015, 44, 948-952.	1.0	4
94	Thermoelectric Properties of p-Type Tl-Filled Skutterudites: Tl x Fe1.5Co2.5Sb12. Journal of Electronic Materials, 2015, 44, 1743-1749.	1.0	5
95	Thermoelectric properties of heavily boron- and phosphorus-doped silicon. Japanese Journal of Applied Physics, 2015, 54, 071301.	0.8	67
96	Carrier Transport Properties of p-Type Siliconâ€“Metal Silicide Nanocrystal Composite Films. Journal of Electronic Materials, 2015, 44, 2074-2079.	1.0	9
97	Thermophysical properties of americium-containing barium plutonate. Journal of Nuclear Science and Technology, 2015, 52, 1285-1289.	0.7	2
98	Thermal and mechanical properties of hydrides of Zrâ€“Hf alloys. Journal of Nuclear Science and Technology, 2015, 52, 162-170.	0.7	1
99	Thermoelectric properties of Cr1â^'Mo Si2. Journal of Physics and Chemistry of Solids, 2015, 87, 153-157.	1.9	16
100	Mechanical and thermal properties of bulk ZrB2. Journal of Nuclear Materials, 2015, 467, 612-617.	1.3	30
101	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
102	Enhancement of thermoelectric efficiency of CoSb3-based skutterudites by double filling with K and Tl. Frontiers in Chemistry, 2014, 2, 84.	1.8	7
103	Bottom-up nanostructured bulk silicon: a practical high-efficiency thermoelectric material. Nanoscale, 2014, 6, 13921-13927.	2.8	59
104	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
105	Thermoelectric properties of Tl-filled Co-free p-type skutterudites: Tlx(Fe,Ni)4Sb12. Journal of Applied Physics, 2014, 115, 023702.	1.1	9
106	TheÎ´â€²/Îµphase transition in hafnium hydride and deuteride. Journal of Nuclear Science and Technology, 2014, , 1-5.	0.7	1
107	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
108	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

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109	Thermophysical properties of BaThO3. Journal of Nuclear Materials, 2014, 448, 62-65.	1.3	7
110	Effect of Ball-Milling Conditions on Thermoelectric Properties of Polycrystalline CuGaTe₂. Materials Transactions, 2014, 55, 1215-1218.	0.4	10
111	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
112	Thermoelectric Properties of Group 13 Elements-Triple Filled Skutterudites: Nominal In<i>_x</i>Ga_{0.02}Tl_{0.20}Co₄Sb&... Materials Transactions, 2014, 55, 1232-1236.		
113	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
114	Thermoelectric Properties of CoSb3 Based Skutterudites Filled by Group 13 Elements. Lecture Notes in Nanoscale Science and Technology, 2014, , 301-325.	0.4	0
115	Thermoelectric Properties of Indium-Added Skutterudites In x Co4Sb12. Journal of Electronic Materials, 2013, 42, 1463-1468.	1.0	25
116	Nanostructuring and Thermoelectric Characterization of (GaSb)3(1â^'x)(Ga2Te3) x. Journal of Electronic Materials, 2013, 42, 1719-1724.	1.0	2
117	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
118	How thermoelectric properties of p-type Tl-filled skutterudites are improved. APL Materials, 2013, 1, .	2.2	10
119	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
120	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
121	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
122	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
123	Thermophysical properties of BaUO4. Journal of Nuclear Materials, 2013, 443, 218-221.	1.3	0
124	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
125	Synthesis of silicon and molybdenumâ€"silicide nanocrystal composite films having low thermal conductivity. Thin Solid Films, 2013, 534, 238-241.	0.8	24
126	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

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127	High Temperature Thermoelectric Properties of Half-Heusler Compound PtYSb. Japanese Journal of Applied Physics, 2013, 52, 041804.	0.8	17
128	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
129	Reinvestigation the Thermal and Electrical Transport Properties of Tl₇Sb₂. Advanced Materials Research, 2013, 802, 284-288.	0.3	0
130	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
131	Thermoelectric Properties of Chalcopyrite-Type CuGaTe₂ with Ag Substituted into the Cu Sites. Japanese Journal of Applied Physics, 2013, 52, 081801.	0.8	15
132	Heavily doped silicon and nickel silicide nanocrystal composite films with enhanced thermoelectric efficiency. Journal of Applied Physics, 2013, 114, .	1.1	34
133	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
134	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
135	Thermal Conductivity of Size-Controlled Bulk Silicon Nanocrystals Using Self-Limiting Oxidation and HF Etching. Applied Physics Express, 2012, 5, 081302.	1.1	7
136	Thermoelectric properties of Zn-doped GaSb. Journal of Applied Physics, 2012, 111, .	1.1	21
137	High-temperature thermoelectric properties of Cu_{1â€“}_xInTe₂ with a chalcopyrite structure. Applied Physics Letters, 2012, 100, 042108.	1.5	74
138	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
139	Thermoelectric Properties of ^|^alpha;-Ag9GaTe6. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2012, 76, 504-507.	0.2	4
140	Effect of Phase Transition on the Thermoelectric Properties of Ag₂Te. Materials Transactions, 2012, 53, 1216-1219.	0.4	31
141	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
142	Reduction in Lattice Thermal Conductivity of InSb by Formation of the ZnIn₁₈GeSb₂₀ Alloy. Materials Transactions, 2012, 53, 1976-1980.	0.4	0
143	- Bismuth Telluride Alloys for Waste Energy Harvesting and Cooling Applications. , 2012, , 137-154.		2
144	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

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145	Synthesis and thermal conductivity of Y₆UO₁₂. Journal of Nuclear Science and Technology, 2012, 49, 526-530.	0.7	6
146	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
147	Neutron Reflector Materials (Be, Hydrides). , 2012, , 307-321.		3
148	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
149	High-temperature thermoelectric properties of Cu2 In4 Te7. Physica Status Solidi - Rapid Research Letters, 2012, 6, 154-156.	1.2	10
150	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
151	Ab initio study of hydrogen diffusion in zirconium oxide. Journal of Nuclear Science and Technology, 2012, 49, 544-550.	0.7	22
152	Chalcopyrite CuGaTe₂: A Highâ€Efficiency Bulk Thermoelectric Material. Advanced Materials, 2012, 24, 3622-3626.	11.1	311
153	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
154	Thermophysical properties of perovskite type alkaline-earth metals and plutonium complex oxides. Journal of Nuclear Materials, 2012, 422, 163-166.	1.3	9
155	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
156	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
157	Thermoelectric properties of Ga-added CoSb3 based skutterudites. Journal of Applied Physics, 2011, 110, 013521.	1.1	33
158	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
159	Thermoelectric properties of Zn-Sn-Sb based alloys. Materials Research Society Symposia Proceedings, 2011, 1314, 1.	0.1	7
160	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
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