

Atsushi Yamamoto

List of Publications by Year in descending order

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158
papers

3,349
citations

159585

30
h-index

168389

53
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158
all docs

158
docs citations

158
times ranked

3211
citing authors

#	ARTICLE	IF	CITATIONS
1	Power generation from nanostructured PbTe-based thermoelectrics: comprehensive development from materials to modules. <i>Energy and Environmental Science</i> , 2016, 9, 517-529.	30.8	287
2	High-performance thermoelectric mineral $\text{Cu}_{12}\text{Ni}_4\text{Sb}_4\text{S}_{13}$ tetrahedrite. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	262
3	Excessively Doped PbTe with Ge-Induced Nanostructures Enables High-Efficiency Thermoelectric Modules. <i>Joule</i> , 2018, 2, 1339-1355.	24.0	169
4	Thermoelectric properties of n-type $(\text{Bi}_2\text{Se}_3)_x(\text{Bi}_2\text{Te}_3)_{1-x}$ prepared by bulk mechanical alloying and hot pressing. <i>Journal of Alloys and Compounds</i> , 2000, 312, 326-330.	5.5	143
5	A solution-processed TiS_2 /organic hybrid superlattice film towards flexible thermoelectric devices. <i>Journal of Materials Chemistry A</i> , 2017, 5, 564-570.	10.3	130
6	Matrix-Free Laser Desorption/Ionization-Mass Spectrometry Using Self-Assembled Germanium Nanodots. <i>Analytical Chemistry</i> , 2007, 79, 4827-4832.	6.5	100
7	Thermoelectric properties of p-type $(\text{Bi}_2\text{Te}_3)_x(\text{Sb}_2\text{Te}_3)_{1-x}$ prepared via bulk mechanical alloying and hot pressing. <i>Journal of Alloys and Compounds</i> , 2000, 309, 225-228.	5.5	97
8	Thermoelectric Properties of Y-Doped Polycrystalline SrTiO_3 . <i>Japanese Journal of Applied Physics</i> , 2004, 43, L540-L542.	1.5	92
9	Thermoelectric properties and figure of merit of a Te-doped InSb bulk single crystal. <i>Applied Physics Letters</i> , 2005, 87, 201902.	3.3	82
10	Determination of Thermoelectric Module Efficiency: A Survey. <i>Journal of Electronic Materials</i> , 2014, 43, 2274-2286.	2.2	66
11	Thermoelectric properties of $\text{Ti}_{1-x}\text{Sb}_x$ prepared by CS_2 sulfurization. <i>Acta Materialia</i> , 2012, 60, 7232-7240.	7.9	63
12	Enhanced average thermoelectric figure of merit of n-type $\text{PbTe}_{1-x}\text{I}_x$ MgTe. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10401-10408.	5.5	61
13	Thermoelectric properties of semiconductorlike intermetallic compounds TMGa_3 (TM=Fe, Ru, and Os). <i>Journal of Applied Physics</i> , 2004, 96, 5644-5648.	2.5	60
14	Structural phase transition accompanied by metal-insulator transition in $\text{PrRu}_4\text{P}_{12}$. <i>Journal of Physics Condensed Matter</i> , 2001, 13, L45-L48.	1.8	58
15	High Thermoelectric Power Factor of High-Mobility 2D Electron Gas. <i>Advanced Science</i> , 2018, 5, 1700696.	11.2	51
16	Effect of processing parameters on thermoelectric properties of p-type $(\text{Bi}_2\text{Te}_3)_{0.25}(\text{Sb}_2\text{Te}_3)_{0.75}$ prepared via BMA-HP method. <i>Materials Chemistry and Physics</i> , 2001, 70, 90-94.	4.0	50
17	Enhancement in the thermoelectric performance of colusites $\text{Cu}_{26}\text{A}_2\text{E}_6\text{S}_{32}$ (A = Nb, Ta; E = Sn, Ge) using E-site non-stoichiometry. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4174-4184.	5.5	49
18	Thermoelectric properties of $\text{Al}_{1-x}\text{In}_x\text{N}$ and $\text{Al}_{1-y}\text{Ga}_y\text{In}_z\text{N}$ prepared by radio-frequency sputtering: Toward a thermoelectric power device. <i>Applied Physics Letters</i> , 2003, 82, 2065-2067.	3.3	44

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19	Optimization of hot-press conditions of Zn ₄ Sb ₃ for high thermoelectric performance. Journal of Alloys and Compounds, 2004, 384, 254-260.	5.5	42
20	Thermoelectric devices using InN and Al _{1-x} In _x N thin films prepared by reactive radio-frequency sputtering. Applied Physics Letters, 2004, 84, 5344-5346.	3.3	41
21	High performance thermoelectric module through isotype bulk heterojunction engineering of skutterudite materials. Nano Energy, 2019, 66, 104193.	16.0	40
22	Preparation and Thermoelectric Properties of Chevrel-Phase Cu _x Mo ₆ S ₈ (2.0 ≤ x ≤ 4.0). Materials Transactions, 2009, 50, 2129-2133.	1.2	39
23	Microstructural Control and Thermoelectric Properties of Misfit Layered Sulfides (LaS) _{1+m} TS ₂ (T = Cr, Nb): The Natural Superlattice Systems. Chemistry of Materials, 2014, 26, 2684-2692.	6.7	39
24	Three-Dimensional Finite-Element Simulation for a Thermoelectric Generator Module. Journal of Electronic Materials, 2015, 44, 3637-3645.	2.2	38
25	Thermal diffusivity and thermoelectric figure of merit of Al _{1-x} In _x N prepared by reactive radio-frequency sputtering. Applied Physics Letters, 2003, 83, 5398-5400.	3.3	37
26	Solid-State Synthesis of Thermoelectric Materials in Mg-Si-Ge System. Materials Transactions, 2005, 46, 1490-1496.	1.2	37
27	Optimization of hot-press conditions of Zn ₄ Sb ₃ for high thermoelectric performance. II. Mechanical properties. Journal of Alloys and Compounds, 2005, 388, 118-121.	5.5	36
28	Power Generation Evaluated on a Bismuth Telluride Unicouple Module. Journal of Electronic Materials, 2015, 44, 1785-1790.	2.2	35
29	Measurement and simulation of thermoelectric efficiency for single leg. Review of Scientific Instruments, 2015, 86, 045103.	1.3	33
30	Power generation from the Cu ₂₆ Nb ₂ Ge ₆ S ₃₂ -based single thermoelectric element with Au diffusion barrier. Journal of Materials Chemistry C, 2019, 7, 5184-5192.	5.5	33
31	Effects of interface layer on thermoelectric properties of a pn junction prepared via the BMA-HP method. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2001, 85, 34-37.	3.5	31
32	Thermoelectric Properties of Bi ₂ Te ₃ -Based Thin Films with Fine Grains Fabricated by Pulsed Laser Deposition. Japanese Journal of Applied Physics, 2009, 48, 085506.	1.5	31
33	Performance of Skutterudite-Based Modules. Journal of Electronic Materials, 2017, 46, 2640-2644.	2.2	31
34	Thermoelectric properties of SiC thick films deposited by thermal plasma physical vapor deposition. Science and Technology of Advanced Materials, 2003, 4, 167-172.	6.1	30
35	Perovskite solar cell-thermoelectric tandem system with a high efficiency of over 23%. Materials Today Energy, 2019, 12, 363-370.	4.7	30
36	Peltier Effect in Sub-micron-Size Metallic Junctions. Japanese Journal of Applied Physics, 2005, 44, L12-L14.	1.5	28

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37	Thermoelectric properties and thermoelectric devices of free-standing GaN and epitaxial GaN layer. <i>Thin Solid Films</i> , 2007, 515, 4501-4504.	1.8	27
38	Thermoelectric Inorganic SiGe Film Synthesized on Flexible Plastic Substrate. <i>ACS Applied Energy Materials</i> , 0, , .	5.1	26
39	An Integrated Approach to Thermoelectrics: Combining Phonon Dynamics, Nanoengineering, Novel Materials Development, Module Fabrication, and Metrology. <i>Advanced Energy Materials</i> , 2019, 9, 1801304.	19.5	26
40	Peltier effect in metallic junctions with CPP structure. <i>IEEE Transactions on Magnetics</i> , 2005, 41, 2571-2573.	2.1	22
41	Giant Peltier Effect in a Submicron-Sized Cu ²⁺ /Ni/Au Junction with Nanometer-Scale Phase Separation. <i>Applied Physics Express</i> , 2010, 3, 065204.	2.4	22
42	Thermoelectric Properties of As-Based Zintl Compounds Ba ₂ KZn ₂ As ₂ . <i>Inorganic Chemistry</i> , 2017, 56, 3709-3712.	4.0	22
43	Experimental Investigation of the Effect of Operating Pressure on the Performance of SOFC and SOEC. <i>ECS Transactions</i> , 2013, 57, 699-708.	0.5	21
44	Thermoelectric properties of and devices based on free-standing GaN. <i>Applied Physics Letters</i> , 2005, 86, 252102.	3.3	19
45	Roll-type thermoelectric devices with InN thin films. <i>Applied Physics Letters</i> , 2005, 87, 243508.	3.3	19
46	Surface cleaning of germanium nanodot ionization substrate for surface-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009, 23, 603-610.	1.5	19
47	Evaluation of the Thermoelectric Module Consisting of W-Doped Heusler Fe ₂ VAl Alloy. <i>Journal of Electronic Materials</i> , 2014, 43, 1922-1926.	2.2	19
48	Thermoelectric properties of (Ba,K)Cd ₂ As ₂ crystallized in the CaAl ₂ Si ₂ -type structure. <i>Dalton Transactions</i> , 2018, 47, 16205-16210.	3.3	19
49	Thermoelectric Properties of Chevrel-Phase Sulfides M _x Mo ₆ S ₈ (M: Cr, Mn, Fe, Ni). <i>Journal of Electronic Materials</i> , 2010, 39, 2117-2121.	2.2	18
50	Theoretical modeling of electrical resistivity and Seebeck coefficient of bismuth nanowires by considering carrier mean free path limitation. <i>Journal of Applied Physics</i> , 2017, 121, .	2.5	18
51	Extrinsic Origin of High-Temperature Ferromagnetism in CaB ₆ . <i>Journal of the Physical Society of Japan</i> , 2003, 72, 2097-2102.	1.6	17
52	Laser Desorption/Ionization on Porous Silicon Mass Spectrometry for Accurately Determining the Molecular Weight Distribution of Polymers Evaluated Using a Certified Polystyrene Standard. <i>Analytical Sciences</i> , 2005, 21, 485-490.	1.6	16
53	Optimization of hot-press conditions of Zn ₄ Sb ₃ for high thermoelectric performance. <i>Journal of Alloys and Compounds</i> , 2005, 392, 295-299.	5.5	16
54	Thermoelectric properties and a device based on n-InSb and p-InAs. <i>Applied Physics Letters</i> , 2007, 90, 052107.	3.3	16

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55	Crystal Structure and Thermoelectric Properties of $\text{ReSi}_{1.75}$ Based Silicides. Materials Science Forum, 2003, 426-432, 1777-1782.	0.3	15
56	Effect of Ti Substitution on Thermoelectric Properties of W-Doped Heusler Fe_2VAl Alloy. Journal of Electronic Materials, 2013, 42, 1801-1806.	2.2	15
57	Synthesis of Al-doped $\text{Mg}_2\text{Si}_{1-x}\text{Sn}_x$ compound using magnesium alloy for thermoelectric application. Journal of Alloys and Compounds, 2015, 649, 1060-1065.	5.5	15
58	Magnetic-Field Dependence of Thermoelectric Properties of Sintered $\text{Bi}_{90}\text{Sb}_{10}$ Alloy. Journal of Electronic Materials, 2016, 45, 1875-1885.	2.2	15
59	Experimental and Theoretical Evaluations of the Galvanomagnetic Effect in an Individual Bismuth Nanowire. Nano Letters, 2017, 17, 110-119.	9.1	15
60	Peltier cooling in current-perpendicular-to-plane metallic junctions. Journal of Applied Physics, 2006, 99, 08H706.	2.5	14
61	Thermal properties and thermoelectric microdevices with InN thin films. Microelectronics Journal, 2007, 38, 667-671.	2.0	14
62	High tunneling magnetoresistance in $\text{Fe}/\text{GaOx}/\text{Ga}_{1-x}\text{Mn}_x\text{As}$ with metal/insulator/semiconductor structure. Applied Physics Letters, 2008, 93, .	3.3	14
63	Superconducting and structural properties of nearly carbonate-free $\text{HgBa}_2\text{CuO}_{4+\delta}$. Physica C: Superconductivity and Its Applications, 2001, 351, 329-340.	1.2	13
64	Thermoelectric properties of InSb and $\text{Ga}_{0.03}\text{In}_{0.97}\text{Sb}$ thin films grown by metalorganic vapor-phase epitaxy. Applied Physics Letters, 2005, 86, 153504.	3.3	13
65	Solid State Synthesis of Ternary Thermoelectric Magnesium Alloy, $\text{Mg}_{2-x}\text{Si}_{1-x}\text{Sn}_x$. Materials Transactions, 2006, 47, 1058-1065.	1.2	13
66	Thermoelectric Properties of $(\text{Ba},\text{K})\text{Zn}_2\text{As}_2$ Crystallized in the ThCr_2Si_2 -type Structure. Inorganic Chemistry, 2020, 59, 5828-5834.	4.0	13
67	Combinatorial screening of ternary $\text{NiO}-\text{Mn}_2\text{O}_3-\text{CuO}$ composition spreads. Journal of Applied Physics, 2005, 98, 043710.	2.5	12
68	Development of Anode Off-Gas Recycle Blowers for High Efficiency SOFC Systems. ECS Transactions, 2013, 57, 443-450.	0.5	12
69	Prototype fabrication and performance evaluation of a thermoelectric module operating with the Nernst effect. IScience, 2021, 24, 101967.	4.1	12
70	Soft Laser Desorption/Ionization Mass Spectrometry Using a Pyroelectric Ceramic Plate. Chemistry Letters, 2005, 34, 1178-1179.	1.3	11
71	Effect of impurity oxygen concentration on the thermoelectric properties of hot-pressed Zn_4Sb_3 . Journal of Alloys and Compounds, 2006, 417, 259-263.	5.5	11
72	Characterization of half-Heusler uncouple for thermoelectric conversion. Journal of Applied Physics, 2015, 117, .	2.5	11

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73	Electronic densities of states of several intermetallic compounds with large coordination numbers calculated within the framework of band theory. <i>Journal of Alloys and Compounds</i> , 2005, 389, 220-228.	5.5	10
74	Peltier effect in multilayered nanopillars under high density charge current. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 5267-5271.	2.8	10
75	A p-n Sandwich Structure Peltier Device with a Sharp Microtip for Cooling/Heating Micro-objects. <i>Electrochemical and Solid-State Letters</i> , 2008, 11, H103.	2.2	9
76	Studies on Effective Utilization of SOFC Exhaust Heat Using Thermoelectric Power Generation Technology. <i>Journal of Electronic Materials</i> , 2013, 42, 2306-2313.	2.2	8
77	Durability of Silicide-Based Thermoelectric Modules at High Temperatures in Air. <i>Journal of Electronic Materials</i> , 2015, 44, 2946-2952.	2.2	8
78	Electrical current dependence of the ionic conduction in Zn_4Sb_3 . <i>Applied Physics Express</i> , 2017, 10, 095801.	2.4	8
79	Energetic consideration of compounds at Mg_2Si -Ni electrode interlayer produced by spark-plasma sintering. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 05DC03.	1.5	8
80	Fabrication of a Nanoscale Electrical Contact on a Bismuth Nanowire Encapsulated in a Quartz Template by Using FIB-SEM. <i>Journal of Electronic Materials</i> , 2017, 46, 2782-2789.	2.2	8
81	Enhancement of figure of merit for Nernst effect in $Bi_{77}Sb_{23}$ alloy by Te-doping. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	8
82	Mechanically durable thermoelectric power generation module made of Ni-based alloy as a reference for reliable testing. <i>Applied Energy</i> , 2020, 260, 114443.	10.1	8
83	Crystal structure and thermoelectric properties of $ReSi_{1.75}$ silicide. <i>Materials Research Society Symposia Proceedings</i> , 2002, 753, 1.	0.1	7
84	Analysis of Polymer Additives by DIOS-MS. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2005, 53, 247-256.	0.1	7
85	Solid-State Synthesis of $Mg_2Si_{1-x}Y_x$ (Y=Ge and Sn) Thermoelectric Materials via Bulk Mechanical Alloying. <i>Journal of Metastable and Nanocrystalline Materials</i> , 2005, 24-25, 347-350.	0.1	7
86	Changes of the band structure of Mg_2Si induced by interstitial doping with nonmetallic elements. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFC04.	1.5	7
87	Interlaboratory Testing for High-Temperature Power Generation Characteristics of a Ni-Based Alloy Thermoelectric Module. <i>Energy Technology</i> , 2020, 8, 2000557.	3.8	7
88	Process Controllability of Thermoelectric Properties of $(Bi_2Te_3)_{0.2}(Sb_2Te_3)_{0.8}$ on the Root of Bulk Mechanical Alloying.. <i>Funtai Oyobi Fummtsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 1998, 45, 958-961.	0.2	6
89	Thermoelectric Properties of Electrically Conductive III-Oxynitrides of $Al_{1-x}In_xOsNt$ and $InOsNt$ Prepared by Radio-Frequency Reactive Sputtering: Toward a Thermopower Device. <i>Japanese Journal of Applied Physics</i> , 2002, 41, L1354-L1356.	1.5	6
90	Combinatorial Fabrication and Characterization of Ternary La_2O_3 - Mn_2O_3 - Co_3O_4 Composition Spreads. <i>Japanese Journal of Applied Physics</i> , 2005, 44, 6164-6166.	1.5	6

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91	Spin-dependent density of states in Ga _{1-x} Mn _x As probed by tunneling spectroscopy. Applied Physics Letters, 2008, 92, 192512.	3.3	6
92	P-type sp ³ -bonded BN/n-type Si heterodiode solar cell fabricated by laser-plasma synchronous CVD method. Journal Physics D: Applied Physics, 2009, 42, 225107.	2.8	6
93	Microgenerator Using BiSbTe-Pt Thermopile and Pt-Al ₂ O ₃ Ceramic Combustor. Journal of Electronic Materials, 2011, 40, 817-822.	2.2	6
94	Thermoelectric Module of SiGe Bulk Alloys Forming p-n Junction at the Hot Side. Advanced Engineering Materials, 2022, 24, .	3.5	6
95	High-Throughput Screening of Thermoelectric Materials; Application of Thermal Probe Method to Composition-Spread Samples. Materials Research Society Symposia Proceedings, 2003, 804, 79.	0.1	5
96	Thermoelectric Properties of Hot-Pressed GaN and InN. Materials Research Society Symposia Proceedings, 2003, 793, 310.	0.1	5
97	Thermoelectric Properties of Selenospinel Cu ₆ Fe ₄ Sn ₁₂ Se ₃₂ . Journal of Electronic Materials, 2012, 41, 1130-1133.	2.2	5
98	AC/DC Transfer Technique for Measuring Thomson Coefficient: Toward Thermoelectric Metrology. IEEE Transactions on Instrumentation and Measurement, 2015, , 1-1.	4.7	5
99	Efficacies of dopants in thermoelectric BiOCuSe. Materials Chemistry and Physics, 2016, 177, 73-78.	4.0	5
100	Large thermoelectric figure of merit value of undoped polycrystalline ruthenium sesquisilicide. AIP Conference Proceedings, 1994, , .	0.4	4
101	Tunneling spectroscopy in Fe _{1-x} Zn _x Se _{1-x} Ga _{1-x} Mn _x As magnetic tunnel diodes. Journal of Applied Physics, 2008, 103, 07D127.	2.5	4
102	Improvement of SOFC System Efficiency by Incorporating Thermoelectric Power Generation Heat Exchanger. ECS Transactions, 2013, 57, 2627-2636.	0.5	4
103	Exploratory Study of Substitutional Elements in Mg ₂ Si for Inducing State of Negative Chemical Pressure. Materials Transactions, 2018, 59, 1417-1422.	1.2	4
104	Computational analysis of Peltier current leads. , 0, , .		3
105	Thermoelectric and thermal properties of AlInN thin films prepared by reactive radio-frequency sputtering. Physica Status Solidi A, 2004, 201, 225-228.	1.7	3
106	Experimental and Theoretical Evaluation on Thermoelectricity for SPS-Joined p-n Module in Bi-Te System. Materials Transactions, 2005, 46, 1506-1513.	1.2	3
107	Combinatorial Approach for Thermoelectric Materials through Bulk Composition-Spreads and Diffusion Multiples. Materials Research Society Symposia Proceedings, 2007, 1024, 1.	0.1	3
108	Preparation of Single-Phase Pb-Filled Chevrel-Phase Sulfide and Its Thermoelectric Properties. Materials Transactions, 2011, 52, 1535-1538.	1.2	3

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109	<i>(Invited)</i>Peltier Effect of Silicon for Cooling 4H-SiC-Based Power Devices. ECS Transactions, 2017, 80, 77-85.	0.5	3
110	Characterization of thermoelectric conversion for a stacked leg with parasitic heat radiation. Measurement: Journal of the International Measurement Confederation, 2021, 171, 108846.	5.0	3
111	Shear Extrusion Method of Bi-Te Based Thermoelectric Material.. Funtai Oyobi Fummatu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 1189-1193.	0.2	2
112	La doping effect in thermoelectric properties of skutterudite compound CeRu ₄ P ₁₂ . , 0, , .		2
113	Electrical screening of ternary NiOâ€“Mn ₂ O ₃ â€“Co ₃ O ₄ composition spreads. Applied Surface Science, 2006, 252, 3828-3832.	6.1	2
114	Optimization of Thermoelectric Properties of Ni-Cu based Alloy through Combinatorial Approach. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	2
115	Synthetic Copper-based Sulfide Minerals as Advanced Thermoelectric Materials and the Modularization for Power Generation. Materia Japan, 2015, 54, 335-338.	0.1	2
116	Si Nanopillar/SiGe Composite Structure for Thermally Managed Nano-devices. , 2021, , .		2
117	Management of Phonon Transport in Lateral Direction for Gap-Controlled Si Nanopillar/SiGe Interlayer Composite Materials. IEEE Open Journal of Nanotechnology, 2021, 2, 148-152.	2.0	2
118	Thermoelectric figure of merit of silicide two-dimensional quantum wells. , 0, , .		1
119	Development of Bi-Sb-Te Ternary Alloy with Compositionally Graded Structure. Materials Research Society Symposia Proceedings, 1997, 478, 115.	0.1	1
120	Thermoelectric properties of multilayered p-type SiGe thin films. , 0, , .		1
121	Thermoelectric properties of p-type Bi-Sb-Te based material prepared by PIES method with conventional ball milling process. , 0, , .		1
122	Thermoelectric properties of Si _{0.8} /Ge _{0.2} /Si multilayers. , 0, , .		1
123	Two dimensional quantum net of heavily doped porous silicon. , 0, , .		1
124	Thermal Plasma Physical Vapor Deposition of Nanostructured SiC Coatings. Materials Research Society Symposia Proceedings, 2002, 742, 2191.	0.1	1
125	Fabrication of Thermoelectric Devices Using AlInN and InON Films prepared by reactive radio-frequency sputtering. Materials Research Society Symposia Proceedings, 2003, 798, 182.	0.1	1
126	Thermoelectric properties of Bi ₂ Te ₃ based thin films fabricated by pulsed laser deposition. Materials Research Society Symposia Proceedings, 2007, 1044, 1.	0.1	1

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127	Thermoelectric And Electrical Properties Of GaN And InN Single Crystals. AIP Conference Proceedings, 2007, , .	0.4	1
128	Improved Thomson Coefficient Measurements Using an AC Method. Materials Research Society Symposia Proceedings, 2014, 1642, 1.	0.1	1
129	Analysis of heat loss for measurement of Thomson coefficient using AC calorimetric method. , 2016, , .		1
130	Calculation of Seebeck Coefficients for Advanced Heat Transfer Modules. ECS Transactions, 2017, 80, 57-62.	0.5	1
131	Energetic consideration of defected rhenium disilicide, ReSi _{2-x} , and the electronic structure of Re ₄ Si ₇ (ReSi _{1.75}), revisited. Computational Condensed Matter, 2018, 14, 167-175.	2.1	1
132	Tunability of Mg ₂ Si Bandgap by Formation of Mg ₂ (Si, C) with an Anti-Fluorite Structure Examined by First-Principles Calculations. Materials Transactions, 2019, 60, 1873-1880.	1.2	1
133	Thermoelectric properties of NaZn ₄ CuAs ₃ crystalized in the rhombohedral structure. Journal of Solid State Chemistry, 2020, 291, 121588.	2.9	1
134	Thermoelectric figure of merit of Si-Ge multilayered thin films. , 0, , .		0
135	Synthesis of Zn ₄ Sb ₃ compound by PIES method. , 0, , .		0
136	Annealing effect on thermoelectric properties of Bi implanted Si thin film. , 0, , .		0
137	Thermoelectric properties of III-nitrides and III-oxynitrides prepared by reactive rf-sputtering: targetting a thermopower device. Materials Research Society Symposia Proceedings, 2002, 743, L6.11.1.	0.1	0
138	Thermoelectric properties of Al _{1-x} In _x N and InOsNt prepared by reactive radio frequency sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2886-2889.	0.8	0
139	Thermal and thermoelectric properties of III-nitride and III-oxynitride films. , 0, , .		0
140	Consideration on the applicability of intermetallic compounds with a large coordination number as thermoelectric materials on the basis of the calculated electronic densities of states. , 0, , .		0
141	Thermoelectric Properties of NaZn ₁₃ -type Intermetallic Compounds. Materials Research Society Symposia Proceedings, 2003, 793, 304.	0.1	0
142	Thermal and thermoelectric properties of III-nitride and III-oxynitride films prepared by reactive RF sputtering. Materials Research Society Symposia Proceedings, 2003, 793, 365.	0.1	0
143	Thermoelectric Properties of Semiconducting Intermetallic Compounds: FeGa ₃ and RuGa ₃ . Materials Research Society Symposia Proceedings, 2003, 793, 359.	0.1	0
144	Optimization of Hot-Press Conditions of Zn ₄ Sb ₃ for High Thermoelectric Performance. Part 2. Mechanical Properties.. ChemInform, 2005, 36, no.	0.0	0

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145	Peltier effect in sub-micron-sized metallic junctions. , 2006, , .		0
146	Thermoelectric Power Devices Based on InN Thin Films. Materials Research Society Symposia Proceedings, 2006, 973, 1.	0.1	0
147	Thermoelectric Material Design in Pseudo Binary Systems of Mg ₂ Si “ Mg ₂ Ge “ Mg ₂ Sn on the Powder Metallurgy Route. Materials Science Forum, 2007, 534-536, 1553-1556.	0.3	0
148	Thermoelectric Properties Of And Device Physics Based On InSb Semiconductors. AIP Conference Proceedings, 2007, , .	0.4	0
149	Application of DME to an SOFC System Designed for LPG. ECS Transactions, 2013, 51, 137-140.	0.5	0
150	High Precision Evaluation of Gas Composition and Current Efficiency for High Temperature H2O and CO2 Electrolysis. ECS Transactions, 2013, 50, 81-86.	0.5	0
151	Development of stacking type thermoelectric power generation unit for potential waste heat recovery applications. Journal of Physics: Conference Series, 2018, 1052, 012136.	0.4	0
152	Observation of Interface between Thermoelectric Material Zn ₄ Sb ₃ and Electrodes by Resistance Scanning and Seebeck Coefficient Mapping Techniques. Materials Transactions, 2018, 59, 1035-1040.	1.2	0
153	Thermoelectrics: An Integrated Approach to Thermoelectrics: Combining Phonon Dynamics, Nanoengineering, Novel Materials Development, Module Fabrication, and Metrology (Adv. Energy) Tj ETQq1 1 0.7843.54 rgBTj/Overlo	4.1	0
154	Power generation characteristics of thermoelectric conversion module using type-II (K,Ba) ₂₄ (Ga,Sn) ₁₃₆ and type-VIII Ba ₈ Ga ₁₆ (Sn,Ge) ₃₀ clathrates. Applied Physics Express, 2020, 13, 011001.	2.4	0
155	Thermoelectric Properties of Ce Based Filled Skutterudite Phosphides. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 617-623.	0.2	0
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