

Atsushi Yamamoto

List of Publications by Year in descending order

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158
papers

3,349
citations

159585

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168389

53
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158
all docs

158
docs citations

158
times ranked

3211
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermoelectric Module of SiGe Bulk Alloys Forming p-n Junction at the Hot Side. <i>Advanced Engineering Materials</i> , 2022, 24, .	3.5	6
2	Characterization of thermoelectric conversion for a stacked leg with parasitic heat radiation. Measurement: <i>Journal of the International Measurement Confederation</i> , 2021, 171, 108846.	5.0	3
3	Si Nanopillar/SiGe Composite Structure for Thermally Managed Nano-devices. , 2021, , .		2
4	Prototype fabrication and performance evaluation of a thermoelectric module operating with the Nernst effect. <i>IScience</i> , 2021, 24, 101967.	4.1	12
5	Management of Phonon Transport in Lateral Direction for Gap-Controlled Si Nanopillar/SiGe Interlayer Composite Materials. <i>IEEE Open Journal of Nanotechnology</i> , 2021, 2, 148-152.	2.0	2
6	Changes of the band structure of Mg ₂ Si induced by interstitial doping with nonmetallic elements. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SFFC04.	1.5	7
7	Thermoelectric properties of NaZn ₄ CuAs ₃ crystalized in the rhombohedral structure. <i>Journal of Solid State Chemistry</i> , 2020, 291, 121588.	2.9	1
8	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
9	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
10	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. <i>Applied Physics Express</i> , 2020, 13, 011001.	2.4	0
11	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
12	Thermoelectric Properties of (Ba,K)Zn ₂ As ₂ Crystallized in the ThCr ₂ Si ₂ -type Structure. <i>Inorganic Chemistry</i> , 2020, 59, 5828-5834.	4.0	13
13	Thermoelectrics: An Integrated Approach to Thermoelectrics: Combining Phonon Dynamics, Nanoengineering, Novel Materials Development, Module Fabrication, and Metrology (Adv. Energy) Tj ETQq1 1 0.7843.14 rgBT0/Overlo		
14	High performance thermoelectric module through isotype bulk heterojunction engineering of skutterudite materials. <i>Nano Energy</i> , 2019, 66, 104193.	16.0	40
15	Perovskite solar cell-thermoelectric tandem system with a high efficiency of over 23%. <i>Materials Today Energy</i> , 2019, 12, 363-370.	4.7	30
16	Power generation from the Cu ₂₆ Nb ₂ Ge ₆ S ₃₂ -based single thermoelectric element with Au diffusion barrier. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5184-5192.	5.5	33
17	Tunability of Mg ₂ Si Bandgap by Formation of Mg ₂ (Si, C) with an Anti-Fluorite Structure Examined by First-Principles Calculations. <i>Materials Transactions</i> , 2019, 60, 1873-1880.	1.2	1
18	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

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19	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
20	High Thermoelectric Power Factor of High-Mobility 2D Electron Gas. Advanced Science, 2018, 5, 1700696.	11.2	51
21	Thermoelectric properties of (Ba,K)Cd ₂ As ₂ crystallized in the CaAl ₂ Si ₂ -type structure. Dalton Transactions, 2018, 47, 16205-16210.	3.3	19
22	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
23	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
24	Exploratory Study of Substitutional Elements in Mg₂Si for Inducing State of Negative Chemical Pressure. Materials Transactions, 2018, 59, 1417-1422.	1.2	4
25	Excessively Doped PbTe with Ge-Induced Nanostructures Enables High-Efficiency Thermoelectric Modules. Joule, 2018, 2, 1339-1355.	24.0	169
26	Theoretical modeling of electrical resistivity and Seebeck coefficient of bismuth nanowires by considering carrier mean free path limitation. Journal of Applied Physics, 2017, 121, .	2.5	18
27	Thermoelectric Properties of As-Based Zintl Compounds Ba _{1-x} K _x Zn ₂ As ₂ . Inorganic Chemistry, 2017, 56, 3709-3712.	4.0	22
28	Enhancement in the thermoelectric performance of colusites Cu ₂₆ A ₂ E ₆ S ₃₂ (A = Nb, Ta; E = Sn, Ge) using E-site non-stoichiometry. Journal of Materials Chemistry C, 2017, 5, 4174-4184.	5.5	49
29	A solution-processed TiS ₂ /organic hybrid superlattice film towards flexible thermoelectric devices. Journal of Materials Chemistry A, 2017, 5, 564-570.	10.3	130
30	Experimental and Theoretical Evaluations of the Galvanomagnetic Effect in an Individual Bismuth Nanowire. Nano Letters, 2017, 17, 110-119.	9.1	15
31	<i>(Invited)</i> Peltier Effect of Silicon for Cooling 4H-SiC-Based Power Devices. ECS Transactions, 2017, 80, 77-85.	0.5	3
32	Electrical current dependence of the ionic conduction in Zn ₄ Sb ₃ . Applied Physics Express, 2017, 10, 095801.	2.4	8
33	Energetic consideration of compounds at Mg ₂ Si ⁺ Ni electrode interlayer produced by spark-plasma sintering. Japanese Journal of Applied Physics, 2017, 56, 05DC03.	1.5	8
34	Fabrication of a Nanoscale Electrical Contact on a Bismuth Nanowire Encapsulated in a Quartz Template by Using FIB-SEM. Journal of Electronic Materials, 2017, 46, 2782-2789.	2.2	8
35	Performance of Skutterudite-Based Modules. Journal of Electronic Materials, 2017, 46, 2640-2644.	2.2	31
36	Calculation of Seebeck Coefficients for Advanced Heat Transfer Modules. ECS Transactions, 2017, 80, 57-62.	0.5	1

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37	Efficacies of dopants in thermoelectric BiOCuSe. <i>Materials Chemistry and Physics</i> , 2016, 177, 73-78.	4.0	5
38	Magnetic-Field Dependence of Thermoelectric Properties of Sintered Bi ₉₀ Sb ₁₀ Alloy. <i>Journal of Electronic Materials</i> , 2016, 45, 1875-1885.	2.2	15
39	Analysis of heat loss for measurement of Thomson coefficient using AC calorimetric method. , 2016, , .		1
40	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
41	Synthetic Copper-based Sulfide Minerals as Advanced Thermoelectric Materials and the Modularization for Power Generation. <i>Materia Japan</i> , 2015, 54, 335-338.	0.1	2
42	Durability of Silicide-Based Thermoelectric Modules at High Temperatures in Air. <i>Journal of Electronic Materials</i> , 2015, 44, 2946-2952.	2.2	8
43	Power Generation Evaluated on a Bismuth Telluride Unicouple Module. <i>Journal of Electronic Materials</i> , 2015, 44, 1785-1790.	2.2	35
44	Three-Dimensional Finite-Element Simulation for a Thermoelectric Generator Module. <i>Journal of Electronic Materials</i> , 2015, 44, 3637-3645.	2.2	38
45	Synthesis of Al-doped Mg ₂ Si _{1-x} Sn _x compound using magnesium alloy for thermoelectric application. <i>Journal of Alloys and Compounds</i> , 2015, 649, 1060-1065.	5.5	15
46	Measurement and simulation of thermoelectric efficiency for single leg. <i>Review of Scientific Instruments</i> , 2015, 86, 045103.	1.3	33
47	AC/DC Transfer Technique for Measuring Thomson Coefficient: Toward Thermoelectric Metrology. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, , 1-1.	4.7	5
48	Characterization of half-Heusler unicouple for thermoelectric conversion. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	11
49	Enhanced average thermoelectric figure of merit of n-type PbTe _{1-x} I _x “MgTe. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10401-10408.	5.5	61
50	Improved Thomson Coefficient Measurements Using an AC Method. <i>Materials Research Society Symposia Proceedings</i> , 2014, 1642, 1.	0.1	1
51	Determination of Thermoelectric Module Efficiency: A Survey. <i>Journal of Electronic Materials</i> , 2014, 43, 2274-2286.	2.2	66
52	Microstructural Control and Thermoelectric Properties of Misfit Layered Sulfides (LaS) _{1+m} TS ₂ (T = Cr, Nb): The Natural Superlattice Systems. <i>Chemistry of Materials</i> , 2014, 26, 2684-2692.	6.7	39
53	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
54	Effect of Ti Substitution on Thermoelectric Properties of W-Doped Heusler Fe ₂ VAl Alloy. <i>Journal of Electronic Materials</i> , 2013, 42, 1801-1806.	2.2	15

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55	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
56	Improvement of SOFC System Efficiency by Incorporating Thermoelectric Power Generation Heat Exchanger. <i>ECS Transactions</i> , 2013, 57, 2627-2636.	0.5	4
57	Development of Anode Off-Gas Recycle Blowers for High Efficiency SOFC Systems. <i>ECS Transactions</i> , 2013, 57, 443-450.	0.5	12
58	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
59	Application of DME to an SOFC System Designed for LPG. <i>ECS Transactions</i> , 2013, 51, 137-140.	0.5	0
60	High Precision Evaluation of Gas Composition and Current Efficiency for High Temperature H ₂ O and CO ₂ Electrolysis. <i>ECS Transactions</i> , 2013, 50, 81-86.	0.5	0
61	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
62	Thermoelectric properties of $\text{Ti}_{1-x}\text{Ni}_x\text{Sb}_2\text{S}_3$ prepared by CS ₂ sulfurization. <i>Acta Materialia</i> , 2012, 60, 7232-7240.	7.9	63
63	Thermoelectric Properties of Selenospinel $\text{Cu}_6\text{Fe}_4\text{Sn}_{12}\text{Se}_{32}$. <i>Journal of Electronic Materials</i> , 2012, 41, 1130-1133.	2.2	5
64	Preparation of Single-Phase Pb-Filled Chevrel-Phase Sulfide and Its Thermoelectric Properties. <i>Materials Transactions</i> , 2011, 52, 1535-1538.	1.2	3
65	Microgenerator Using BiSbTe-Pt Thermopile and Pt-Al ₂ O ₃ Ceramic Combustor. <i>Journal of Electronic Materials</i> , 2011, 40, 817-822.	2.2	6
66	Influence of Cu-Ni thickness on Peltier effect in submicron-sized Cu-Ni/Ru junctions. <i>Journal of the Magnetics Society of Japan</i> , 2011, 35, 264-267.	0.9	0
67	Thermoelectric Properties of Chevrel-Phase Sulfides $\text{M}_x\text{Mo}_6\text{S}_8$ (M: Cr, Mn, Fe, Ni). <i>Journal of Electronic Materials</i> , 2010, 39, 2117-2121.	2.2	18
68	Giant Peltier Effect in a Submicron-Sized $\text{Cu}/\text{Ni}/\text{Au}$ Junction with Nanometer-Scale Phase Separation. <i>Applied Physics Express</i> , 2010, 3, 065204.	2.4	22
69	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
70	P-type sp ³ -bonded BN/n-type Si heterodiode solar cell fabricated by laser-plasma synchronous CVD method. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 225107.	2.8	6
71	Thermoelectric Properties of Bi_2Te_3 -Based Thin Films with Fine Grains Fabricated by Pulsed Laser Deposition. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 085506.	1.5	31
72	Preparation and Thermoelectric Properties of Chevrel-Phase $\text{Cu}_x\text{Mo}_6\text{S}_8$ (2.0 ≤ x ≤ 4.0). <i>Materials Transactions</i> , 2009, 50, 2129-2133.	1.2	39

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73	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
74	High tunneling magnetoresistance in Fe/GaOx/Ga _{1-x} MnxAs with metal/insulator/semiconductor structure. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	14
75	Spin-dependent density of states in Ga _{1-x} MnxAs probed by tunneling spectroscopy. <i>Applied Physics Letters</i> , 2008, 92, 192512.	3.3	6
76	Tunneling spectroscopy in Fe ^δ •ZnSe ^δ •Ga _{1-x} MnxAs magnetic tunnel diodes. <i>Journal of Applied Physics</i> , 2008, 103, 07D127.	2.5	4
77	Thermoelectric properties and a device based on n-InSb and p-InAs. <i>Applied Physics Letters</i> , 2007, 90, 052107.	3.3	16
78	Optimization of Thermoelectric Properties of Ni-Cu based Alloy through Combinatorial Approach. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1044, 1.	0.1	2
79	Combinatorial Approach for Thermoelectric Materials through Bulk Composition-Spreads and Diffusion Multiples. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1024, 1.	0.1	3
80	Thermoelectric Material Design in Pseudo Binary Systems of Mg ₂ Si-“ Mg ₂ Ge-“ Mg ₂ Sn on the Powder Metallurgy Route. <i>Materials Science Forum</i> , 2007, 534-536, 1553-1556.	0.3	0
81	Thermoelectric properties of Bi ₂ Te ₃ based thin films fabricated by pulsed laser deposition. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1044, 1.	0.1	1
82	Thermoelectric And Electrical Properties Of GaN And InN Single Crystals. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	1
83	Thermoelectric Properties Of And Device Physics Based On InSb Semiconductors. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
84	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
85	Thermal properties and thermoelectric microdevices with InN thin films. <i>Microelectronics Journal</i> , 2007, 38, 667-671.	2.0	14
86	Matrix-Free Laser Desorption/Ionization-Mass Spectrometry Using Self-Assembled Germanium Nanodots. <i>Analytical Chemistry</i> , 2007, 79, 4827-4832.	6.5	100
87	Peltier cooling in current-perpendicular-to-plane metallic junctions. <i>Journal of Applied Physics</i> , 2006, 99, 08H706.	2.5	14
88	Peltier effect in sub-micron-sized metallic junctions. , 2006, , .		0
89	Effect of impurity oxygen concentration on the thermoelectric properties of hot-pressed Zn ₄ Sb ₃ . <i>Journal of Alloys and Compounds</i> , 2006, 417, 259-263.	5.5	11
90	Solid State Synthesis of Ternary Thermoelectric Magnesium Alloy, Mg ₂ Si _{1-x} Sn _x . <i>Materials Transactions</i> , 2006, 47, 1058-1065.	1.2	13

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91	Electrical screening of ternary NiO $\hat{=}$ Mn ₂ O ₃ $\hat{=}$ Co ₃ O ₄ composition spreads. Applied Surface Science, 2006, 252, 3828-3832.	6.1	2
92	Peltier effect in multilayered nanopillars under high density charge current. Journal Physics D: Applied Physics, 2006, 39, 5267-5271.	2.8	10
93	Thermoelectric Power Devices Based on InN Thin Films. Materials Research Society Symposia Proceedings, 2006, 973, 1.	0.1	0
94	Solid-State Synthesis of Thermoelectric Materials in Mg $\hat{=}$ Si $\hat{=}$ Ge System. Materials Transactions, 2005, 46, 1490-1496.	1.2	37
95	Experimental and Theoretical Evaluation on Thermoelectricity for SPS-Joined p-n Module in Bi $\hat{=}$ Te System. Materials Transactions, 2005, 46, 1506-1513.	1.2	3
96	Soft Laser Desorption/Ionization Mass Spectrometry Using a Pyroelectric Ceramic Plate. Chemistry Letters, 2005, 34, 1178-1179.	1.3	11
97	Laser Desorption/Ionization on Porous Silicon Mass Spectrometry for Accurately Determining the Molecular Weight Distribution of Polymers Evaluated Using a Certified Polystyrene Standard. Analytical Sciences, 2005, 21, 485-490.	1.6	16
98	Peltier effect in metallic junctions with CPP structure. IEEE Transactions on Magnetics, 2005, 41, 2571-2573.	2.1	22
99	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
100	Analysis of Polymer Additives by DIOS-MS. Journal of the Mass Spectrometry Society of Japan, 2005, 53, 247-256.	0.1	7
101	Solid-State Synthesis of Mg ₂ Si _{1-x} Y _x (Y=Ge and Sn) Thermoelectric Materials via Bulk Mechanical Alloying. Journal of Metastable and Nanocrystalline Materials, 2005, 24-25, 347-350.	0.1	7
102	Peltier Effect in Sub-micron-Size Metallic Junctions. Japanese Journal of Applied Physics, 2005, 44, L12-L14.	1.5	28
103	Combinatorial Fabrication and Characterization of Ternary La ₂ O ₃ $\hat{=}$ Mn ₂ O ₃ $\hat{=}$ Co ₃ O ₄ Composition Spreads. Japanese Journal of Applied Physics, 2005, 44, 6164-6166.	1.5	6
104	Thermoelectric properties of InSb and Ga _{0.03} In _{0.97} Sb thin films grown by metalorganic vapor-phase epitaxy. Applied Physics Letters, 2005, 86, 153504.	3.3	13
105	Thermoelectric properties of and devices based on free-standing GaN. Applied Physics Letters, 2005, 86, 252102.	3.3	19
106	Combinatorial screening of ternary NiO $\hat{=}$ Mn ₂ O ₃ $\hat{=}$ CuO composition spreads. Journal of Applied Physics, 2005, 98, 043710.	2.5	12
107	Electronic densities of states of several intermetallic compounds with large coordination numbers calculated within the framework of band theory. Journal of Alloys and Compounds, 2005, 389, 220-228.	5.5	10
108	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

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109	Optimization of hot-press conditions of Zn ₄ Sb ₃ for high thermoelectric performance. Journal of Alloys and Compounds, 2005, 392, 295-299.	5.5	16
110	Thermoelectric properties and figure of merit of a Te-doped InSb bulk single crystal. Applied Physics Letters, 2005, 87, 201902.	3.3	82
111	Roll-type thermoelectric devices with InN thin films. Applied Physics Letters, 2005, 87, 243508.	3.3	19
112	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
113	Thermoelectric properties of semiconductorlike intermetallic compounds TMGa ₃ (TM=Fe, Ru, and Os). Journal of Applied Physics, 2004, 96, 5644-5648.	2.5	60
114	Thermoelectric Properties of Y-Doped Polycrystalline SrTiO ₃ . Japanese Journal of Applied Physics, 2004, 43, L540-L542.	1.5	92
115	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
116	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
117	Thermoelectric Properties of Ce Based Filled Skutterudite Phosphides. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 617-623.	0.2	0
118	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
119	Thermoelectric properties of Al _{1-x} In _x N and InOsN prepared by reactive radio frequency sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 2886-2889.	0.8	0
120	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
121	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
122	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
123	Thermoelectric Properties of NaZn ₁₃ -type Intermetallic Compounds. Materials Research Society Symposia Proceedings, 2003, 793, 304.	0.1	0
124	Crystal Structure and Thermoelectric Properties of ReSi _{1.75} Based Silicides. Materials Science Forum, 2003, 426-432, 1777-1782.	0.3	15
125	Thermoelectric Properties of Hot-Pressed GaN and InN. Materials Research Society Symposia Proceedings, 2003, 793, 310.	0.1	5
126	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

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127	Thermoelectric Properties of Semiconducting Intermetallic Compounds: FeGa ₃ and RuGa ₃ . Materials Research Society Symposia Proceedings, 2003, 793, 359.	0.1	0
128	Thermoelectric properties of Al _{1-x} In _x N and Al _{1-y} Zn _y N prepared by radio-frequency sputtering: Toward a thermoelectric power device. Applied Physics Letters, 2003, 82, 2065-2067.	3.3	44
129	Extrinsic Origin of High-Temperature Ferromagnetism in CaB ₆ . Journal of the Physical Society of Japan, 2003, 72, 2097-2102.	1.6	17
130	Thermoelectric Properties of Electrically Conductive III-Oxynitrides of Al _{1-x} In _x O _s N _t and InO _s N _t Prepared by Radio-Frequency Reactive Sputtering: Toward a Thermopower Device. Japanese Journal of Applied Physics, 2002, 41, L1354-L1356.	1.5	6
131	Crystal structure and thermoelectric properties of ReSi _{1.75} silicide. Materials Research Society Symposia Proceedings, 2002, 753, 1.	0.1	7
132	Thermal Plasma Physical Vapor Deposition of Nanostructured SiC Coatings. Materials Research Society Symposia Proceedings, 2002, 742, 2191.	0.1	1
133	Thermoelectric properties of III-nitrides and III-oxynitrides prepared by reactive rf-sputtering: targeting a thermopower device. Materials Research Society Symposia Proceedings, 2002, 743, L6.11.1.	0.1	0
134	Superconducting and structural properties of nearly carbonate-free HgBa ₂ CuO ₄ + δ . Physica C: Superconductivity and Its Applications, 2001, 351, 329-340.	1.2	13
135	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
136	Effect of processing parameters on thermoelectric properties of p-type (Bi ₂ Te ₃) _{0.25} (Sb ₂ Te ₃) _{0.75} prepared via BMA-HP method. Materials Chemistry and Physics, 2001, 70, 90-94.	4.0	50
137	Structural phase transition accompanied by metal-insulator transition in PrRu ₄ P ₁₂ . Journal of Physics Condensed Matter, 2001, 13, L45-L48.	1.8	58
138	Shear Extrusion Method of Bi-Te Based Thermoelectric Material.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2000, 47, 1189-1193.	0.2	2
139	Thermoelectric properties of p-type (Bi ₂ Te ₃) _x (Sb ₂ Te ₃) _{1-x} prepared via bulk mechanical alloying and hot pressing. Journal of Alloys and Compounds, 2000, 309, 225-228.	5.5	97
140	Thermoelectric properties of n-type (Bi ₂ Se ₃) _x (Bi ₂ Te ₃) _{1-x} prepared by bulk mechanical alloying and hot pressing. Journal of Alloys and Compounds, 2000, 312, 326-330.	5.5	143
141	Thermoelectric Properties of Si-Ge Multiple Quantum Wells. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 1999, 63, 1386-1392.	0.4	0
142	Process Controllability of Thermoelectric Properties of (Bi ₂ Te ₃) _{0.2} (Sb ₂ Te ₃) _{0.8} on the Root of Bulk Mechanical Alloying.. Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 1998, 45, 958-961.	0.2	6
143	Development of Bi-Sb-TE Ternary Alloy with Compositionally Graded Structure. Materials Research Society Symposia Proceedings, 1997, 478, 115.	0.1	1
144	Development of Functionally Graded Thermoelectric Materials by PIES Method. , 1997, , 533-538.		0

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145	Large thermoelectric figure of merit value of undoped polycrystalline ruthenium sesquisilicide. AIP Conference Proceedings, 1994, , .	0.4	4
146	Thermoelectric figure of merit of Si-Ge multilayered thin films. , 0, , .		0
147	Thermoelectric figure of merit of silicide two-dimensional quantum wells. , 0, , .		1
148	Synthesis of Zn/sub 4/Sb/sub 3/ compound by PIES method. , 0, , .		0
149	Thermoelectric properties of multilayered p-type SiGe thin films. , 0, , .		1
150	Thermoelectric properties of p-type Bi-Sb-Te based material prepared by PIES method with conventional ball milling process. , 0, , .		1
151	Thermoelectric properties of Si/sub 0.8/Ge/sub 0.2//Si multilayers. , 0, , .		1
152	Two dimensional quantum net of heavily doped porous silicon. , 0, , .		1
153	Computational analysis of Peltier current leads. , 0, , .		3
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157	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
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