

# Koichiro Suekuni

## List of Publications by Year in descending order

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111  
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3,654  
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136950  
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docs citations

112  
times ranked

2080  
citing authors

#	ARTICLE	IF	CITATIONS
1	High-temperature thermoelectric performance of (W1-xTi)18O49. Journal of the European Ceramic Society, 2022, 42, 1486-1492.	5.7	2
2	A prototype thermoelectric module based on p-type colusite together with n-type nanostructured PbTe for power generation. Applied Physics Letters, 2022, 120, 013501.	3.3	6
3	Cu-S-based thermoelectric compounds with a sphalerite-derived disordered crystal structure. Journal of Solid State Chemistry, 2022, 309, 122960.	2.9	1
4	An effective synthesis route for high-performance $\text{MgAgSb}$ thermoelectric material. Journal of Materials Science, 2022, 57, 11265-11273.	3.7	3
5	Synthetic minerals tetrahedrites and colusites for thermoelectric power generation. , 2021, , 197-216.		3
6	Key Role of d <sup>0</sup> and d <sup>10</sup> Cations for the Design of Semiconducting Colusites: Large Thermoelectric $\text{i-ZT}$ in $\text{Cu}_{26}\text{Ti}_{2}\text{Sb}_{6}\text{S}_{32}$ Compounds. Chemistry of Materials, 2021, 33, 3449-3456.	6.7	24
7	Rapid Synthesis of $\text{W}_{18}\text{O}_{49}$ via Reactive Spark Plasma Sintering with Controlled Anisotropic Thermoelectric Properties. Evergreen, 2021, 8, 344-350.	0.5	2
8	Synergistic Effect of Chemical Substitution and Insertion on the Thermoelectric Performance of $\text{Cu}_{26}\text{V}_{2}\text{Ge}_{6}\text{S}_{32}$ Colusite. Inorganic Chemistry, 2021, 60, 11364-11373.	4.0	7
9	A comparative study of thermoelectric $\text{Cu}_2\text{TrTi}_3\text{S}_8$ ( $\text{Tr}=\text{Co}$ and $\text{Sc}$ ) thiospinels: Enhanced Seebeck coefficient via electronic structure modification. Journal of Alloys and Compounds, 2021, 871, 159548.	5.5	1
10	Thermoelectric properties of In- and Ga-doped spark plasma sintered $\text{ZnO}$ ceramics. Ceramics International, 2021, 47, 23927-23934.	4.8	17
11	Thermoelectric quaternary sulfide $\text{Cu}_{2+\text{Zn}_1}\text{Sn}_4$ ( $\text{Zn}=0.3$ ): Effects of Cu substitution for Zn. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115353.	3.5	0
12	Local-Disorder-Induced Low Thermal Conductivity in Degenerate Semiconductor $\text{Cu}_{22}\text{Sn}_{10}\text{S}_{32}$ . Inorganic Chemistry, 2021, 60, 16273-16285.	4.0	14
13	Cu 2p-1s x-ray emission spectroscopy of mineral tetrahedrite $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$ . Radiation Physics and Chemistry, 2020, 175, 108148.	2.8	2
14	A strategy for boosting the thermoelectric performance of famatinite $\text{Cu}_3\text{Sb}_4$ . Physical Chemistry Chemical Physics, 2020, 22, 2081-2086.	2.8	29
15	Pressure-induced quenching of planar rattling in $\text{Cu}_{3.2}\text{S}_{5}$ studied by specific heat and x-ray diffraction measurements. Physical Review B, 2020, 102, .		
16	Transport properties and electronic density-of-states of Zn-doped colusite $\text{Cu}_{26}\text{Cr}_2\text{Ge}_6\text{S}_{32}$ . Applied Physics Letters, 2020, 117, 173902.	3.3	4
17	Enhancement of the thermoelectric power factor by tuning the carrier concentration in Cu-rich and Ge-poor colusites $\text{Cu}_{26+x}\text{Nb}_2\text{Ge}_{6-x}\text{S}_{32}$ . Journal of Materials Chemistry C, 2020, 8, 6442-6449.	5.5	5
18	Toppling the Transport Properties with Cationic Overstoichiometry in Thermoelectric Colusite: $[\text{Cu}_{26}\text{Cr}_{2}\text{Ge}_6]_{1+\hat{l}}\text{S}_{32}$ . ACS Applied Energy Materials, 2020, 3, 4180-4185.	5.1	14

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19	Enargite Cu <sub>3</sub> PS <sub>4</sub> : A Cu-based Thermoelectric Material with a Wurtzite-CDerivative Structure. <i>Advanced Functional Materials</i> , 2020, 30, 2000973. Disorder-driven glasslike thermal conductivity in colusite $\text{Cu}_{\text{26}}\text{Nb}_{\text{2}}\text{Ge}_{\text{6}}\text{S}_{\text{32}}$ . $\text{C} \times \text{C}_{\text{26}} \times \text{Nb}_{\text{2}} \times \text{Ge}_{\text{6}} \times \text{S}_{\text{32}}$	14.9	25
20	$\text{V} \times \text{C}_{\text{26}} \times \text{Nb}_{\text{2}} \times \text{Ge}_{\text{6}} \times \text{S}_{\text{32}}$	2.4	24
21	Precursor of Metal- Semiconductor Transition in Tetrahedrite Probed by Cu-NMR. , 2020, , .		0
22	Copper-Rich Thermoelectric Sulfides: Size-Mismatch Effect and Chemical Disorder in the [T <sub>4</sub> S <sub>6</sub> ]Cu <sub>6</sub> Complexes of Cu <sub>26</sub> T <sub>4</sub> S <sub>22</sub> Ge <sub>6</sub> S <sub>32</sub> (T=Cr, Mo, W) Colusites. <i>Angewandte Chemie</i> , 2019, 131, 15601-15609.	2.0	5
23	Copper-Rich Thermoelectric Sulfides: Size-Mismatch Effect and Chemical Disorder in the [T <sub>4</sub> S <sub>6</sub> ]Cu <sub>6</sub> Complexes of Cu <sub>26</sub> T <sub>4</sub> S <sub>22</sub> Ge <sub>6</sub> S <sub>32</sub> (T=Cr, Mo, W) Colusites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15455-15463.	13.8	36
24	First-Order Metal-Semiconductor Transition Triggered by Rattling Transition in Tetrahedrite Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> : Cu-Nuclear Magnetic Resonance Studies. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 054710.	1.6	7
25	Atomic-scale phonon scatterers in thermoelectric colusites with a tetrahedral framework structure. <i>Journal of Materials Chemistry A</i> , 2019, 7, 228-235.	10.3	41
26	Electronic structure and thermoelectric properties of Sn <sub>1.2</sub> <sup>+</sup> xNb <sub>x</sub> Ti <sub>0.8</sub> S <sub>3</sub> with a quasi-one-dimensional structure. <i>Journal of Applied Physics</i> , 2019, 125, 175111.	2.5	6
27	Low-Temperature Structural Phase Transitions in Thermoelectric Tetrahedrite, Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> , and Tennantite, Cu <sub>12</sub> As <sub>4</sub> S <sub>13</sub> . <i>Crystal Growth and Design</i> , 2019, 19, 3979-3988.	3.0	8
28	Power generation from the Cu <sub>26</sub> Nb <sub>2</sub> Ge <sub>6</sub> S <sub>32</sub> -based single thermoelectric element with Au diffusion barrier. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5184-5192.	5.5	33
29	Pressure-Induced Collapse of the Guest Eu Off-Centering in Type-I Clathrate Eu <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> . <i>Journal of the Physical Society of Japan</i> , 2019, 88, 114601.	1.6	2
30	High Power Factors of Thermoelectric Colusites Cu <sub>26</sub> T <sub>4</sub> S <sub>22</sub> Ge <sub>6</sub> S <sub>32</sub> (T=Cr, Mo, W): Toward Functionalization of the Conductive Cu-Network. <i>Advanced Energy Materials</i> , 2019, 9, 1803249.	19.5	51
31	Thermoelectric Properties and Electronic Structures of CuTi <sub>2</sub> S <sub>4</sub> Thiospinel and Its Derivatives: Structural Design for Spinel-Related Thermoelectric Materials. <i>Inorganic Chemistry</i> , 2019, 58, 1425-1432.	4.0	24
32	Retreat from Stress: Rattling in a Planar Coordination. <i>Advanced Materials</i> , 2018, 30, e1706230.	21.0	57
33	Carrier concentration tuning in thermoelectric thiospinel Cu <sub>2</sub> Co <sub>3</sub> S <sub>8</sub> by oxidative extraction of copper. <i>Journal of Solid State Chemistry</i> , 2018, 259, 5-10.	2.9	17
34	High-Performance Thermoelectric Bulk Colusite by Process Controlled Structural Disordering. <i>Journal of the American Chemical Society</i> , 2018, 140, 2186-2195.	13.7	98
35	Addition of Co, Ni, Fe and their role in the thermoelectric properties of colusite Cu <sub>26</sub> Nb <sub>2</sub> Ge <sub>6</sub> S <sub>32</sub> . <i>Journal of Alloys and Compounds</i> , 2018, 735, 1838-1845.	5.5	15
36	Static and dynamic structures of liquid Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> : a melt of the thermoelectric clathrate compounds. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 455101.	1.8	1

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37	Effects of Ge and Sn substitution on the metalâ€“semiconductor transition and thermoelectric properties of Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> tetrahedrite. Physical Chemistry Chemical Physics, 2017, 19, 8874-8879.	2.8	39
38	Enhancement in the thermoelectric performance of colusites Cu <sub>26</sub> A <sub>2</sub> E <sub>6</sub> S <sub>32</sub> (A = Nb, Ta; E = Sn, Ge) using E-site non-stoichiometry. Journal of Materials Chemistry C, 2017, 5, 4174-4184.	5.5	49
39	Chapter 6 Clathrate-Based Thermoelectrics. , 2016, , 219-236.		1
40	Tuning the charge carrier density in the thermoelectric colusite. Journal of Applied Physics, 2016, 119, .	2.5	35
41	High power factor in thiospinels Cu <sub>2</sub> TrTi <sub>3</sub> S <sub>8</sub> (Tr= Mn, Fe, Co, Ni) arising from TiS <sub>6</sub> octahedron network. Applied Physics Letters, 2016, 109, .	3.3	19
42	Research Update: Cuâ€“S based synthetic minerals as efficient thermoelectric materials at medium temperatures. APL Materials, 2016, 4, .	5.1	99
43	Vanadium-free colusites Cu <sub>26</sub> A <sub>2</sub> Sn <sub>6</sub> S <sub>32</sub> (A = Nb, Ta) for environmentally friendly thermoelectrics. Journal of Materials Chemistry A, 2016, 4, 15207-15214.	10.3	58
44	Metalâ€“Semiconductor Transition Concomitant with a Structural Transformation in Tetrahedrite Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> . Journal of the Physical Society of Japan, 2016, 85, 014703.	1.6	30
45	Synthetic Copper-based Sulfide Minerals as Advanced Thermoelectric Materials and the Modularization for Power Generation. Materia Japan, 2015, 54, 335-338.	0.1	2
46	Elastic Softening in the Tetrahedrite Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> . Physics Procedia, 2015, 75, 443-446.	1.2	6
47	Comparison of local distortions in Ba <sub>8</sub> Ga <sub>16</sub> X <sub>30</sub> (X = Si, Ge, Sn): an EXAFS study. Journal of Materials Chemistry C, 2015, 3, 10574-10582.	5.5	9
48	Glasslike versus Crystalline Thermophysical Properties of the Cuâ€“S based Minerals: Tetrahedrite and Colusite. Journal of the Physical Society of Japan, 2015, 84, 103601.	1.6	25
49	Systematic study of electronic and magnetic properties for Cu <sub>12</sub> â€“ <i>x</i> TM <sub><i>x</i></sub> Sb <sub>4</sub> S <sub>13</sub> (TMâ€‰=â€‰Mn <sub>2.5</sub> T <sub>1.5</sub> ETQq <sub>1.1</sub> 0.7843		
50	High-performance thermoelectric minerals: Colusites Cu <sub>26</sub> V <sub>2</sub> M <sub>6</sub> S <sub>32</sub> (Mâ€‰=â€‰Ge, Sn). Applied Physics Letters, 2014, 105, .	3.3	117
51	Development of a Thermal Conductivity Measurement System Using the 3% Method and Application to Thermoelectric Particles. Journal of Electronic Materials, 2014, 43, 2151-2156.	2.2	5
52	Tunable electronic properties and low thermal conductivity in synthetic colusites Cu <sub>26</sub> Zn <sub><i>x</i></sub> V <sub>2</sub> M <sub>6</sub> S <sub>32</sub> ( <i>x</i> = 4, M = Ge, Sn). Journal of Applied Physics, 2014, 116, .	2.5	55
53	Microstructural Control and Thermoelectric Properties of Misfit Layered Sulfides (LaS) <sub>1+<i>m</i></sub> TS <sub>2</sub> (T = Cr, Nb): The Natural Superlattice Systems. Chemistry of Materials, 2014, 26, 2684-2692.	6.7	39
54	Simultaneous Pressure-Induced Magnetic and Valence Transitions in Type-I Clathrate Eu <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> . Journal of the Physical Society of Japan, 2014, 83, 013701.	1.6	3

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55	Vertical Bridgman growth of thermoelectric clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> with a type-VIII structure. <i>Journal of Crystal Growth</i> , 2014, 402, 312-318.	1.5	8
56	Thermoelectric properties of Mn-doped Mg–Sb single crystals. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12311-12316.	10.3	78
57	Publisher's Note: Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory [Rev. Mod. Phys. <b>86</b> , 669 (2014)]. <i>Reviews of Modern Physics</i> , 2014, 86, 841-841.	45.6	14
58	Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory. <i>Reviews of Modern Physics</i> , 2014, 86, 669-716.	45.6	426
59	Thermoelectric properties in Mn-doped Bi <sub>2</sub> Se <sub>3</sub> . <i>Current Applied Physics</i> , 2014, 14, 1041-1044.	2.4	7
60	Percolation Conduction in Hybrid Thermoelectric Material Consisting of Bi <sub>0.88</sub> Sb <sub>0.12</sub> and Barium Ferrite Particles. <i>Journal of Electronic Materials</i> , 2013, 42, 2350-2355.	2.2	3
61	Combined X-ray and neutron diffraction study of vacancies and disorder in the dimorphic clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> of type I and VIII. <i>Dalton Transactions</i> , 2013, 42, 14766.	3.3	18
62	Structural and thermoelectric properties of Cu <sub>6</sub> Fe <sub>4</sub> Sn <sub>12</sub> Se <sub>32</sub> single crystal. <i>Journal of Alloys and Compounds</i> , 2013, 564, 91-94.	5.5	15
63	High-performance thermoelectric mineral Cu <sub>12</sub> (Ni <sub>x</sub> Sb <sub>4</sub> S <sub>13</sub> ) tetrahedrite. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	262
64	Characterization of Terahertz Absorption in Clathrate Compound by Compact Spectroscopic Chip. <i>Japanese Journal of Applied Physics</i> , 2013, 52, 028003.	1.5	2
65	Spatial and temporal dynamics of thermal and carrier diffusions in clathrate compounds. , 2013, , .	0	
66	Optical conductivity spectra of rattling phonons and charge carriers in the type-VIII clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> . <i>Physical Review B</i> , 2013, 88, .	3.2	6
67	Anomalous Infrared Spectra of Hybridized Phonons in Type-I Clathrate Ba <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 024601.	1.6	8
68	Strong Coupling of Rattling Phonon to Conduction Electrons in Semimetallic Type-I Clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 114603.	1.6	5
69	Optical Conductivity of Rattling Phonons in Type-I Clathrates Ba <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> and Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> . <i>Key Engineering Materials</i> , 2012, 508, 341-346.	0.4	0
70	Lattice instability and elastic dispersion due to the rattling motion in the type-I clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> . <i>Physical Review B</i> , 2012, 85, .	3.2	19
71	Thermoelectric Properties of Mineral Tetrahedrites Cu <sub>{10}</sub> Tr <sub>{2}</sub> Sb <sub>{4}</sub> S <sub>{13}</sub> with Low Thermal Conductivity. <i>Applied Physics Express</i> , 2012, 5, 051201.	2.4	176
72	Electronic Structures and Thermoelectric Properties of Sb-Doped Type-VIII Clathrate Ba <sub>{8}</sub> Ga <sub>{16}</sub> Sn <sub>{30}</sub> . <i>Materials Transactions</i> , 2012, 53, 636-640.	1.2	6

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73	Thermoelectric properties and structural instability of type-I clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> at high temperatures. Solid State Communications, 2012, 152, 1902-1905.	1.9	26
74	Direct Observation of the Spatial and Temporal Dynamics of Thermal Diffusion in Clathrate Compounds. , 2012, , .	0	
75	Thermoelectric Properties of Selenospinel Cu <sub>6</sub> Fe <sub>4</sub> Sn <sub>12</sub> Se <sub>32</sub> . Journal of Electronic Materials, 2012, 41, 1130-1133.	2.2	5
76	Single-Crystal Growth of Bi-Sb-Te Thermoelectric Materials by Halide Chemical Vapor Transport Technique. Journal of Electronic Materials, 2012, 41, 1317-1321.	2.2	4
77	Optical Conductivity Spectral Anomalies in the Off-Center Rattling System $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mi>i^2\rangle\langle mml:mi\rangle\langle mml:mtext mathvariant="normal">\rangle\langle mml:mtext\rangle\langle mml:msub\rangle\langle mml:mi>Ba\rangle\langle mml:mi\rangle\langle mml:mn>8\rangle\langle mml:mn\rangle\langle mml:msub\rangle\langle mml:msub\rangle^{3.8}\langle mml:msub\rangle^{36}\langle mml:msub\rangle^{36}$ Physical Review Letters, 2011, 106, 015501.		
78	High-Pressure Synthesis and Superconductivity of a New Binary Lanthanum Germanide LaGe <sub>3</sub> with Triangular Ge <sub>3</sub> Cluster Units. Inorganic Chemistry, 2011, 50, 3901-3906.	4.0	24
79	Variable-range-hopping conduction and low thermal conductivity in chalcogenide spinel Cu <sub>y</sub> Fe <sub>4</sub> Sn <sub>12</sub> X <sub>32</sub> (X=S, Se). Journal of Applied Physics, 2011, 109, 083709.	2.5	13
80	Synthesis of delafossite CuAlO <sub>2</sub> p-type semiconductor with a nanoparticle-based Cu(I) acetate-loaded boehmite precursor. Materials Research Bulletin, 2011, 46, 1819-1827.	5.2	22
81	Effect of Al Substitution on the Thermoelectric Properties of the Type-VIII Clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> . Journal of Electronic Materials, 2011, 40, 1124-1128.	2.2	10
82	Carrier Doping in the Type-VIII Clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> Through Sb Substitution. Journal of Electronic Materials, 2011, 40, 845-850.	2.2	15
83	Emergence of Elastic Softening in Sr <sub>8</sub> Ga <sub>16</sub> Si <sub>30-x</sub> Ge <sub>x</sub> with Increasing Ge Concentration. Journal of the Physical Society of Japan, 2011, 80, SA038.	1.6	2
84	First-principles study of type-I and type-VIII Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> clathrates. Journal of Applied Physics, 2010, 107, 123720.	2.5	43
85	Enhancement of thermoelectric efficiency in type-VIII clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> by Al substitution for Ga. Journal of Applied Physics, 2010, 108, .	2.5	40
86	Off-center rattling and cage vibration of the carrier-tuned type-I clathrate $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mrow\rangle\langle mml:msub\rangle\langle mml:mrow\rangle\langle mml:mtext>Ba\rangle\langle mml:mtext\rangle\langle mml:mrow\rangle\langle mml:mn>8\rangle\langle mml:mn\rangle\langle mml:msub\rangle^{3.2}\langle mml:msub\rangle^{28}$ by Raman scattering. Physical Review B, 2010, 82, .		
87	Interplay between thermoelectric and structural properties of type-I clathrate $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mrow\rangle\langle mml:msub\rangle\langle mml:mtext>K\rangle\langle mml:mtext\rangle\langle mml:mn>8\rangle\langle mml:mn\rangle\langle mml:msub\rangle\langle mml:msub\rangle^{3.2}\langle mml:msub\rangle^{30}$ crystals. Physical Review B, 2010, 81, .		
88	Off-center rattling modes and glasslike thermal conductivity in the type-I clathrate $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle mml:mrow\rangle\langle mml:msub\rangle\langle mml:mrow\rangle\langle mml:mtext>Ba\rangle\langle mml:mtext\rangle\langle mml:mrow\rangle\langle mml:mn>8\rangle\langle mml:mn\rangle\langle mml:msub\rangle^{3.2}\langle mml:msub\rangle^{39}$ Physical Review B, 2010, 81, .		
89	Multiple ferromagnetic structures in an off-center rattling system Eu <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> . Journal of Physics: Conference Series, 2010, 200, 022044.	0.4	8
90	Optimization of thermoelectric properties of type-VIII clathrate Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> by carrier tuning. Journal of Alloys and Compounds, 2010, 507, 1-5.	5.5	65



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109	Tunable charge carriers and thermoelectricity of single-crystal Ba <sub>8</sub> Ga <sub>16</sub> Sn <sub>30</sub> . <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1585-1592.	1.8	25
110	Glasslike versus crystalline thermal conductivity in carrier-tuned Ba <sub>8</sub> Ga <sub>16</sub> X <sub>30</sub> clathrates (X=Ge, Sn). <i>Physical Review B</i> , 2006, 74, .	3.2	131
111	Probing Glasslike Excitations in Single-Crystalline Sr <sub>8</sub> Ga <sub>16</sub> Ge <sub>30</sub> by Specific Heat and Thermal Conductivity. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 2145-2148.	1.6	56