

Koichiro Suekuni

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2641321/publications.pdf>

Version: 2024-02-01

111
papers

3,654
citations

136950

32
h-index

138484

58
g-index

112
all docs

112
docs citations

112
times ranked

2080
citing authors

#	ARTICLE	IF	CITATIONS
1	Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory. <i>Reviews of Modern Physics</i> , 2014, 86, 669-716.	45.6	426
2	High-performance thermoelectric mineral $\text{Cu}_{12}\text{Ni}_x\text{Sb}_4\text{S}_{13}$ tetrahedrite. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	262
3	Thermoelectric Properties of Mineral Tetrahedrites $\text{Cu}_{10}\text{Tr}_2\text{Sb}_4\text{S}_{13}$ with Low Thermal Conductivity. <i>Applied Physics Express</i> , 2012, 5, 051201.	2.4	176
4	Simultaneous structure and carrier tuning of dimorphic clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$. <i>Physical Review B</i> , 2008, 77, .	3.2	144
5	Classlike versus crystalline thermal conductivity in carrier-tuned $\text{Ba}_8\text{Ga}_{16}\text{X}_{30}$ clathrates (X=Ge,Sn). <i>Physical Review B</i> , 2006, 74, .	3.2	131
6	High-performance thermoelectric minerals: Colusites $\text{Cu}_{26}\text{V}_2\text{M}_6\text{S}_{32}$ (M=Ge, Sn). <i>Applied Physics Letters</i> , 2014, 105, .	3.3	117
7	Cage-size control of guest vibration and thermal conductivity in $\text{Sr}_8\text{Ga}_{16}\text{Si}_{30}\text{X}_6$. <i>Physical Review B</i> , 2007, 75, .	3.2	112
8	Dynamical properties of guest ions in the type-I clathrate compounds $\text{X}_8\text{Ga}_{16}\text{Ge}_{30}$ (X=Eu,Sr,Ba) investigated by Raman scattering. <i>Physical Review B</i> , 2006, 74, .	3.2	108
9	$\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ with type-I clathrate structure: Drastic suppression of heat conduction. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	103
10	Research Update: Cu ^S based synthetic minerals as efficient thermoelectric materials at medium temperatures. <i>APL Materials</i> , 2016, 4, .	5.1	99
11	High-Performance Thermoelectric Bulk Colusite by Process Controlled Structural Disorder. <i>Journal of the American Chemical Society</i> , 2018, 140, 2186-2195.	13.7	98
12	Thermoelectric properties of Mn-doped MgSb single crystals. <i>Journal of Materials Chemistry A</i> , 2014, 2, 12311-12316.	10.3	78
13	Systematic study of electronic and magnetic properties for $\text{Cu}_{12}\text{TM}_x\text{Sb}_4\text{S}_{13}$ (TM=Mn). <i>ETQ</i> 1.1 0.78	2.5	69
14	Optimization of thermoelectric properties of type-VIII clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ by carrier tuning. <i>Journal of Alloys and Compounds</i> , 2010, 507, 1-5.	5.5	65
15	Carrier-tuning of single-crystalline $\text{Ba}_8\text{Ga}_{16}\text{Ge}_{30}$. <i>Physica B: Condensed Matter</i> , 2006, 383, 124-125.	2.7	59
16	Vanadium-free colusites $\text{Cu}_{26}\text{A}_2\text{Sn}_6\text{S}_{32}$ (A = Nb, Ta) for environmentally friendly thermoelectrics. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15207-15214.	10.3	58
17	Retreat from Stress: Rattling in a Planar Coordination. <i>Advanced Materials</i> , 2018, 30, e1706230.	21.0	57
18	Probing Glasslike Excitations in Single-Crystalline $\text{Sr}_8\text{Ga}_{16}\text{Ge}_{30}$ by Specific Heat and Thermal Conductivity. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 2145-2148.	1.6	56

#	ARTICLE	IF	CITATIONS
19	Tunable electronic properties and low thermal conductivity in synthetic colusites $\text{Cu}_{26}\text{Zn}_2\text{V}_2\text{M}_6\text{S}_{32}$ ($M = \text{Ge}, \text{Sn}$). <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	55
20	Off-Center Rattling and Anisotropic Expansion of Type-I Clathrates Studied by Raman Scattering. <i>Physical Review Letters</i> , 2008, 100, 165503.	7.8	53
21	High Power Factors of Thermoelectric Colusites $\text{Cu}_{26}\text{T}_2\text{Ge}_6\text{S}_{32}$ ($T = \text{Cr}, \text{Mo}, \text{W}$): Toward Functionalization of the Conductive "Cu" Network. <i>Advanced Energy Materials</i> , 2019, 9, 1803249.	19.5	51
22	Enhancement in the thermoelectric performance of colusites $\text{Cu}_{26}\text{A}_2\text{E}_6\text{S}_{32}$ ($A = \text{Nb}, \text{Ta}$; $E = \text{Sn}, \text{Ge}$) using E-site non-stoichiometry. <i>Journal of Materials Chemistry C</i> , 2017, 5, 4174-4184.	5.5	49
23	First-principles study of type-I and type-VIII $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ clathrates. <i>Journal of Applied Physics</i> , 2010, 107, 123720.	2.5	43
24	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
25	Enhancement of thermoelectric efficiency in type-VIII clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ by Al substitution for Ga. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	40
26	Off-center rattling modes and glasslike thermal conductivity in the type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$. <i>Physical Review B</i> , 2010, 81, .	3.2	39
27	Microstructural Control and Thermoelectric Properties of Misfit Layered Sulfides $(\text{LaS})_1(\text{m})_2\text{TS}_2$ ($T = \text{Cr}, \text{Nb}$): The Natural Superlattice Systems. <i>Chemistry of Materials</i> , 2014, 26, 2684-2692.	6.7	39
28	Effects of Ge and Sn substitution on the metal-semiconductor transition and thermoelectric properties of $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$ tetrahedrite. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 8874-8879.	2.8	39
29	Optical Conductivity Spectral Anomalies in the Off-Center Rattling System $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$. <i>Physical Review Letters</i> , 2011, 106, 015501.	7.8	36
30	Copper-Rich Thermoelectric Sulfides: Size Mismatch Effect and Chemical Disorder in the $[\text{Cu}_4\text{S}_6]$ Complexes of $\text{Cu}_{26}\text{T}_2\text{Ge}_6\text{S}_{32}$ ($T = \text{Cr}, \text{Mo}, \text{W}$) Colusites. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15455-15463.	13.8	36
31	Tuning the charge carrier density in the thermoelectric colusite. <i>Journal of Applied Physics</i> , 2016, 119, .	2.5	35
32	Power generation from the $\text{Cu}_{26}\text{Nb}_2\text{Ge}_6\text{S}_{32}$ -based single thermoelectric element with Au diffusion barrier. <i>Journal of Materials Chemistry C</i> , 2019, 7, 5184-5192.	5.5	33
33	Optical conductivity of rattling phonons in type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Ge}_{30}$. <i>Physical Review B</i> , 2009, 79, .	3.2	31
34	Interplay between thermoelectric and structural properties of type-I clathrate $\text{K}_8\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ crystals. <i>Physical Review B</i> , 2010, 81, .	3.2	30
35	Metal-Semiconductor Transition Concomitant with a Structural Transformation in Tetrahedrite $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 014703.	1.6	30
36	A strategy for boosting the thermoelectric performance of famatinite Cu_3SbS_4 . <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2081-2086.	2.8	29

#	ARTICLE	IF	CITATIONS
37	Energetics of endohedral atoms in type-I clathrates observed by soft x-ray spectroscopy. <i>Physical Review B</i> , 2008, 78, .	3.2	28
38	Off-center rattling and cage vibration of the carrier-tuned type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ by Raman scattering. <i>Physical Review B</i> , 2010, 82, .	3.2	28
39	Thermoelectric properties and structural instability of type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ at high temperatures. <i>Solid State Communications</i> , 2012, 152, 1902-1905.	1.9	26
40	Tunable charge carriers and thermoelectricity of single-crystal $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$. <i>Journal of Physics Condensed Matter</i> , 2006, 18, 1585-1592.	1.8	25
41	Glasslike versus Crystalline Thermophysical Properties of the Cu-S based Minerals: Tetrahedrite and Colusite. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 103601.	1.6	25
42	Energite Cu_3PS_4 : A S ₆ -Based Thermoelectric Material with a Wurtzite-Derivative Structure. <i>Advanced Functional Materials</i> , 2020, 30, 2000973.	14.9	25
43	High-Pressure Synthesis and Superconductivity of a New Binary Lanthanum Germanide LaGe_3 with Triangular Ge_3 Cluster Units. <i>Inorganic Chemistry</i> , 2011, 50, 3901-3906.	4.0	24
44	Thermoelectric Properties and Electronic Structures of CuTi_2S_4 Thiospinel and Its Derivatives: Structural Design for Spinel-Related Thermoelectric Materials. <i>Inorganic Chemistry</i> , 2019, 58, 1425-1432.	4.0	24
45	Key Role of d^{10} and d^{10} Cations for the Design of Semiconducting Colusites: Large Thermoelectric zT in $\text{Cu}_{26}\text{Ti}_2\text{Sb}_6\text{S}_{32}$ Disorder-driven glasslike thermal conductor. <i>Colusite</i> 45	6.7	24
46	$\text{Cu}_{26}\text{Ti}_2\text{Sb}_6\text{S}_{32}$ Disorder-driven glasslike thermal conductor. <i>Colusite</i> 45	2.4	24
47	Synthesis of delafossite CuAlO_2 p-type semiconductor with a nanoparticle-based Cu(I) acetate-loaded boehmite precursor. <i>Materials Research Bulletin</i> , 2011, 46, 1819-1827.	5.2	22
48	Universal Relation between Guest Free Space and Lattice Thermal Conductivity Reduction by Anharmonic Rattling in Type-I Clathrates. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 61-66.	1.6	20
49	Direct verification of Ga-Ga bond avoidance in the type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ from its x-ray absorption fine structure. <i>Physical Review B</i> , 2009, 80, .	3.2	19
50	Lattice instability and elastic dispersion due to the rattling motion in the type-I clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$. <i>Physical Review B</i> , 2012, 85, .	3.2	19
51	High power factor in thiospinels $\text{Cu}_2\text{TrTi}_3\text{S}_8$ (Tr= Mn, Fe, Co, Ni) arising from TiS_6 octahedron network. <i>Applied Physics Letters</i> , 2016, 109, .	3.3	19
52	Combined X-ray and neutron diffraction study of vacancies and disorder in the dimorphic clathrate $\text{Ba}_8\text{Ga}_{16}\text{Sn}_{30}$ of type I and VIII. <i>Dalton Transactions</i> , 2013, 42, 14766.	3.3	18
53	p- and n-Type $\text{Ba}_8\text{Ga}_{16}\text{Ge}_{30}$ studied by X-ray photoelectron spectroscopy. <i>Chemical Physics Letters</i> , 2009, 472, 60-64.	2.6	17
54	Carrier concentration tuning in thermoelectric thiospinel $\text{Cu}_2\text{CoTi}_3\text{S}_8$ by oxidative extraction of copper. <i>Journal of Solid State Chemistry</i> , 2018, 259, 5-10.	2.9	17

#	ARTICLE	IF	CITATIONS
55	Thermoelectric properties of In- and Ga-doped spark plasma sintered ZnO ceramics. <i>Ceramics International</i> , 2021, 47, 23927-23934.	4.8	17
56	Carrier Doping in the Type-VIII Clathrate Ba ₈ Ga ₁₆ Sn ₃₀ Through Sb Substitution. <i>Journal of Electronic Materials</i> , 2011, 40, 845-850.	2.2	15
57	Structural and thermoelectric properties of Cu ₆ Fe ₄ Sn ₁₂ Se ₃₂ single crystal. <i>Journal of Alloys and Compounds</i> , 2013, 564, 91-94.	5.5	15
58	Addition of Co, Ni, Fe and their role in the thermoelectric properties of colusite Cu ₂₆ Nb ₂ Ge ₆ S ₃₂ . <i>Journal of Alloys and Compounds</i> , 2018, 735, 1838-1845.	5.5	15
59	Publisher's Note: Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory [Rev. Mod. Phys. 86 (2014)]. <i>Reviews of Modern Physics</i> , 2014, 86, 841-841.	45.6	14
60	Toppling the Transport Properties with Cationic Overstoichiometry in Thermoelectric Colusite: [Cu ₂₆ Cr ₂ Ge ₆] ¹⁺ S ₃₂ . <i>ACS Applied Energy Materials</i> , 2020, 3, 4180-4185.	5.1	14
61	Local-Disorder-Induced Low Thermal Conductivity in Degenerate Semiconductor Cu ₂₂ Sn ₁₀ S ₃₂ . <i>Inorganic Chemistry</i> , 2021, 60, 16273-16285.	4.0	14
62	Variable-range-hopping conduction and low thermal conductivity in chalcogenide spinel Cu ₇ Fe ₄ Sn ₁₂ X ₃₂ (X = S, Se). <i>Journal of Applied Physics</i> , 2011, 109, 083709.	2.5	13
63	Low-temperature thermoelectric properties of Yb ₁₄ MSb ₁₁ (M = Mn, Zn). <i>Journal of Physics Condensed Matter</i> , 2007, 19, 376211.	1.8	10
64	Effect of Al Substitution on the Thermoelectric Properties of the Type-VIII Clathrate Ba ₈ Ga ₁₆ Sn ₃₀ . <i>Journal of Electronic Materials</i> , 2011, 40, 1124-1128.	2.2	10
65	Comparison of local distortions in Ba ₈ Ga ₁₆ X ₃₀ (X = Si, Ge, Sn): an EXAFS study. <i>Journal of Materials Chemistry C</i> , 2015, 3, 10574-10582.	5.5	9
66	Guest Ion Motion in Cage Structure Crystals Investigated by Raman Scattering. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 142-147.	1.6	8
67	Off-Center Guest Vibrations and Their Effect on Lattice Thermal Conductivity in n- and p-Type $\bar{1}^2$ -Ba ₈ Ga ₁₆ Sn ₃₀ . <i>Journal of Electronic Materials</i> , 2009, 38, 1516-1520.	2.2	8
68	Multiple ferromagnetic structures in an off-center rattling system Eu ₈ Ga ₁₆ Ge ₃₀ . <i>Journal of Physics: Conference Series</i> , 2010, 200, 022044.	0.4	8
69	Anomalous Infrared Spectra of Hybridized Phonons in Type-I Clathrate Ba ₈ Ga ₁₆ Ge ₃₀ . <i>Journal of the Physical Society of Japan</i> , 2013, 82, 024601.	1.6	8
70	Vertical Bridgman growth of thermoelectric clathrate Ba ₈ Ga ₁₆ Sn ₃₀ with a type-VIII structure. <i>Journal of Crystal Growth</i> , 2014, 402, 312-318.	1.5	8
71	Low-Temperature Structural Phase Transitions in Thermoelectric Tetrahedrite, Cu ₁₂ Sb ₄ S ₁₃ , and Tennantite, Cu ₁₂ As ₄ S ₁₃ . <i>Crystal Growth and Design</i> , 2019, 19, 3979-3988.	3.0	8
72	Thermoelectric properties in Mn-doped Bi ₂ Se ₃ . <i>Current Applied Physics</i> , 2014, 14, 1041-1044.	2.4	7

#	ARTICLE	IF	CITATIONS
73	First-Order Metalâ€Semiconductor Transition Triggered by Rattling Transition in Tetrahedrite Cu ₁₂ Sb ₄ S ₁₃ : Cu-Nuclear Magnetic Resonance Studies. Journal of the Physical Society of Japan, 2019, 88, 054710.	1.6	7
74	Synergistic Effect of Chemical Substitution and Insertion on the Thermoelectric Performance of Cu ₂₆ V ₂ Ge ₆ S ₃₂ Colusite. Inorganic Chemistry, 2021, 60, 11364-11373.	4.0	7
75	Soft x-ray photoelectron spectroscopy study of type-I clathrates. Science and Technology of Advanced Materials, 2008, 9, 044207.	6.1	6
76	Electronic Structures and Thermoelectric Properties of Sb-Doped Type-VIII Clathrate Ba ₈ Ga ₁₆ Sn ₃₀ . Materials Transactions, 2012, 53, 636-640.	1.2	6
77	Optical conductivity spectra of rattling phonons and charge carriers in the type-VIII clathrate Ba ₈ Ga ₁₆ Sn ₃₀ . Physical Review B, 2013, 88, .	3.2	6
78	Elastic Softening in the Tetrahedrite Cu ₁₂ Sb ₄ S ₁₃ . Physics Procedia, 2015, 75, 443-446.	1.2	6
79	Electronic structure and thermoelectric properties of Sn _{1.2} Nb _x Ti _{0.8} S ₃ with a quasi-one-dimensional structure. Journal of Applied Physics, 2019, 125, 175111.	2.5	6
80	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
81	Thermoelectric Properties of Selenospinel Cu ₆ Fe ₄ Sn ₁₂ Se ₃₂ . Journal of Electronic Materials, 2012, 41, 1130-1133.	2.2	5
82	Strong Coupling of Rattling Phonon to Conduction Electrons in Semimetallic Type-I Clathrate Ba ₈ Ga ₁₆ Sn ₃₀ . Journal of the Physical Society of Japan, 2013, 82, 114603.	1.6	5
83	Development of a Thermal Conductivity Measurement System Using the 3 $\bar{\rho}$ Method and Application to Thermoelectric Particles. Journal of Electronic Materials, 2014, 43, 2151-2156.	2.2	5
84	Copperâ€Rich Thermoelectric Sulfides: Sizeâ€Mismatch Effect and Chemical Disorder in the [T ₄ S ₄]Cu ₆ Complexes of Cu ₂₆ T ₂ Ge ₆ S ₃₂ (T=Cr, Mo, W) Colusites. Angewandte Chemie, 2019, 131, 15601-15609.	2.0	5
85	Pressure-induced quenching of planar rattling in Cu ₁₀ S ₁₃ studied by specific heat and x-ray diffraction measurements. Physical Review B, 2020, 102, .	3.2	5
86	Enhancement of the thermoelectric power factor by tuning the carrier concentration in Cu-rich and Ge-poor colusites Cu _{26+x} Nb ₂ Ge ₆ S ₃₂ . Journal of Materials Chemistry C, 2020, 8, 6442-6449.	5.5	5
87	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
88	Transport properties and electronic density-of-states of Zn-doped colusite Cu ₂₆ Cr ₂ Ge ₆ S ₃₂ . Applied Physics Letters, 2020, 117, 173902.	3.3	4
89	Percolation Conduction in Hybrid Thermoelectric Material Consisting of Bi _{0.88} Sb _{0.12} and Barium Ferrite Particles. Journal of Electronic Materials, 2013, 42, 2350-2355.	2.2	3
90	Simultaneous Pressure-Induced Magnetic and Valence Transitions in Type-I Clathrate Eu ₈ Ga ₁₆ Ge ₃₀ . Journal of the Physical Society of Japan, 2014, 83, 013701.	1.6	3

#	ARTICLE	IF	CITATIONS
91	Synthetic minerals tetrahedrites and colusites for thermoelectric power generation. , 2021, , 197-216.		3
92	An effective synthesis route for high-performance \pm -MgAgSb thermoelectric material. Journal of Materials Science, 2022, 57, 11265-11273.	3.7	3
93	Raman scattering of type-I clathrate compounds: $A_{8}Ga_{16}Ge_{30}(A = Tj, ET, Q, q, 1, 0.784314, rg, B)$ Conference Series, 2007, 92, 012151.	0.4	2
94	Emergence of Elastic Softening in $Sr_8Ga_{16}Si_{30-x}Ge_x$ with Increasing Ge Concentration. Journal of the Physical Society of Japan, 2011, 80, SA038.	1.6	2
95	Characterization of Terahertz Absorption in Clathrate Compound by Compact Spectroscopic Chip. Japanese Journal of Applied Physics, 2013, 52, 028003.	1.5	2
96	Synthetic Copper-based Sulfide Minerals as Advanced Thermoelectric Materials and the Modularization for Power Generation. Materia Japan, 2015, 54, 335-338.	0.1	2
97	Pressure-Induced Collapse of the Guest Eu Off-Centering in Type-I Clathrate $Eu_8Ga_{16}Ge_{30}$. Journal of the Physical Society of Japan, 2019, 88, 114601.	1.6	2
98	Cu 2p-1s x-ray emission spectroscopy of mineral tetrahedrite $Cu_{12}Sb_4S_{13}$. Radiation Physics and Chemistry, 2020, 175, 108148.	2.8	2
99	Rapid Synthesis of $W_{18}O_{49}$ via Reactive Spark Plasma Sintering with Controlled Anisotropic Thermoelectric Properties. Evergreen, 2021, 8, 344-350.	0.5	2
100	High-temperature thermoelectric performance of $(W_{18}Ti)_{18}O_{49}$. Journal of the European Ceramic Society, 2022, 42, 1486-1492.	5.7	2
101	Raman scattering study of the guest ion motion in caged crystals. , 2006, , .		1
102	Raman Scattering of Type-I Clathrate Compounds. Journal of the Physical Society of Japan, 2008, 77, 254-256.	1.6	1
103	Chapter 6 Clathrate-Based Thermoelectrics. , 2016, , 219-236.		1
104	Static and dynamic structures of liquid $Ba_8Ga_{16}Sn_{30}$: a melt of the thermoelectric clathrate compounds. Journal of Physics Condensed Matter, 2018, 30, 455101.	1.8	1
105	A comparative study of thermoelectric $Cu_2TrTi_3S_8$ ($Tr = Co$ and Sc) thiospinels: Enhanced Seebeck coefficient via electronic structure modification. Journal of Alloys and Compounds, 2021, 871, 159548.	5.5	1
106	Cu_2S -based thermoelectric compounds with a sphalerite-derived disordered crystal structure. Journal of Solid State Chemistry, 2022, 309, 122960.	2.9	1
107	Optical Conductivity of Rattling Phonons in Type-I Clathrates $Ba_8Ga_{16}Ge_{30}$ and $Ba_8Ga_{16}Sn_{30}$. Key Engineering Materials, 2012, 508, 341-346.	0.4	0
108	Direct Observation of the Spatial and Temporal Dynamics of Thermal Diffusion in Clathrate Compounds. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
109	Spatial and temporal dynamics of thermal and carrier diffusions in clathrate compounds. , 2013, , .		0
110	Thermoelectric quaternary sulfide $\text{Cu}_{2+x}\text{Zn}_{1-x}\text{SnS}_4$ ($x \approx 0.3$): Effects of Cu substitution for Zn. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115353.	3.5	0
111	Precursor of Metal-Semiconductor Transition in Tetrahedrite Probed by Cu-NMR. , 2020, , .		0