

Guoyu Y Wang

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ext. papers

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ext. citations

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avg, IF

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L-index

#	Paper	IF	Citations
156	Strained endotaxial nanostructures with high thermoelectric figure of merit. <i>Nature Chemistry</i> , 2011 , 3, 160-6	17.6	794
155	Broad temperature plateau for high ZTs in heavily doped p-type SnSe single crystals. <i>Energy and Environmental Science</i> , 2016 , 9, 454-460	35.4	331
154	High thermoelectric figure of merit in nanostructured p-type PbTe/MTe (M = Ca, Ba). <i>Energy and Environmental Science</i> , 2011 , 4, 4675	35.4	153
153	Thermoelectric enhancement in PbTe with K or Na codoping from tuning the interaction of the light- and heavy-hole valence bands. <i>Physical Review B</i> , 2010 , 82,	3.3	122
152	Structure and Transport Properties of Double-Doped CoSb _{2.75} Ge _{0.25} Tex (x = 0.125-0.20) with in Situ Nanostructure. <i>Chemistry of Materials</i> , 2011 , 23, 2948-2955	9.6	102
151	In situ nanostructure generation and evolution within a bulk thermoelectric material to reduce lattice thermal conductivity. <i>Nano Letters</i> , 2010 , 10, 2825-31	11.5	95
150	Enhanced thermoelectric properties of Ba-filled skutterudites by grain size reduction and Ag nanoparticle inclusion. <i>Journal of Materials Chemistry</i> , 2012 , 22, 2958-2964		76
149	Facile in situ solution synthesis of SnSe/rGO nanocomposites with enhanced thermoelectric performance. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 1394-1402	13	70
148	Cr ₂ Ge ₂ Te ₆ : High Thermoelectric Performance from Layered Structure with High Symmetry. <i>Chemistry of Materials</i> , 2016 , 28, 1611-1615	9.6	64
147	Thermal and electronic charge transport in bulk nanostructured Zr _{0.25} Hf _{0.75} NiSn composites with full-Heusler inclusions. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 2948-2960	3.3	59
146	Microstructure and thermoelectric properties of CoSb _{2.75} Ge _{0.25} Tex prepared by rapid solidification. <i>Acta Materialia</i> , 2012 , 60, 3536-3544	8.4	55
145	Ultra-high average figure of merit in synergistic band engineered Sn _x Na _{1-x} Se _{0.95} O _{0.1} single crystals. <i>Materials Today</i> , 2018 , 21, 501-507	21.8	55
144	Sodium-Doped Tin Sulfide Single Crystal: A Nontoxic Earth-Abundant Material with High Thermoelectric Performance. <i>Advanced Energy Materials</i> , 2018 , 8, 1800087	21.8	54
143	Rapid fabrication of SnO ₂ nanoparticle photocatalyst: computational understanding and photocatalytic degradation of organic dye. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 3005-3014	6.8	54
142	Raman spectra in epitaxial thin films of La _{1-x} CaxMnO ₃ (x=0.33, 0.5) grown on different substrates. <i>Physical Review B</i> , 2004 , 70,	3.3	46
141	Grain size optimization for high-performance polycrystalline SnSe thermoelectrics. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 14053-14060	13	45
140	Hierarchically structured TiO ₂ for Ba-filled skutterudite with enhanced thermoelectric performance. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20629-20635	13	45

139	Thermoelectric properties of P-type Yb-filled skutterudite $\text{YbxFe}_y\text{Co}_{4-y}\text{Sb}_{12}$. <i>Intermetallics</i> , 2011 , 19, 1390-1393	3.5	44
138	Anisotropic hybrid particles based on electrohydrodynamic co-jetting of nanoparticle suspensions. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11894-9	3.6	42
137	Dopant Induced Impurity Bands and Carrier Concentration Control for Thermoelectric Enhancement in p-Type $\text{Cr}_2\text{Ge}_2\text{Te}_6$. <i>Chemistry of Materials</i> , 2017 , 29, 7401-7407	9.6	41
136	Thermoelectric Properties of Triple-Filled $\text{Ba}_x\text{Yb}_y\text{In}_z\text{Co}_4\text{Sb}_{12}$ Skutterudites. <i>Journal of Electronic Materials</i> , 2011 , 40, 570-576	1.9	41
135	Low-temperature transport properties of Tl-doped Bi_2Te_3 single crystals. <i>Physical Review B</i> , 2013 , 88,	3.3	38
134	Transport properties of single-crystalline Cu_xTiSe_2 (0.015 $\leq x \leq$ 0.110). <i>Physical Review B</i> , 2007 , 76,	3.3	38
133	Magnetotransport properties in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ ($x=0.33, 0.5$) thin films deposited on different substrates. <i>Journal of Applied Physics</i> , 2005 , 97, 083909	2.5	38
132	Twin Engineering in Solution-Synthesized Nonstoichiometric Cu_5FeS_4 Icosahedral Nanoparticles for Enhanced Thermoelectric Performance. <i>Advanced Functional Materials</i> , 2018 , 28, 1705117	15.6	37
131	Ultra rapid fabrication of p-type Li-doped $\text{Mg}_2\text{Si}_{0.4}\text{Sn}_{0.6}$ synthesized by unique melt spinning method. <i>Scripta Materialia</i> , 2016 , 115, 52-56	5.6	37
130	Recent Advances in the Growth of Bi_2Te_3 Thin Films. <i>Science of Advanced Materials</i> , 2011 , 3, 539-560	2.3	36
129	Synergistic Strategy to Enhance the Thermoelectric Properties of CoSbSSe Compounds via Solid Solution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10595-10601	9.5	32
128	Ga-Doping-Induced Carrier Tuning and Multiphase Engineering in n-type PbTe with Enhanced Thermoelectric Performance. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 22401-22407	9.5	32
127	Investigation on 316L/W functionally graded materials fabricated by mechanical alloying and spark plasma sintering. <i>Journal of Nuclear Materials</i> , 2016 , 469, 32-38	3.3	31
126	High-Temperature Structural and Thermoelectric Study of Argyrodite AgGeSe . <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 2168-2176	9.5	28
125	Intrinsically low thermal conductivity from a quasi-one-dimensional crystal structure and enhanced electrical conductivity network via Pb doping in SbCrSe_3 . <i>NPG Asia Materials</i> , 2017 , 9, e387-e387	10.3	26
124	High thermoelectric performance balanced by electrical and thermal transport in tetrahedrites $\text{Cu}_{12+x}\text{Sb}_4\text{S}_{12}\text{Se}$. <i>Energy Storage Materials</i> , 2018 , 13, 127-133	19.4	26
123	Enhancing the Thermoelectric Performance of p-Type MgSb via Codoping of Li and Cd. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8359-8365	9.5	25
122	Coherent optical phonon spectroscopy studies of femtosecond-laser modified Sb_2Te_3 films. <i>Applied Physics Letters</i> , 2010 , 97, 171908	3.4	25

121	Large-scale colloidal synthesis of Cu ₅ FeS ₄ compounds and their application in thermoelectrics. <i>Journal of Materials Chemistry C</i> , 2017 , 5, 301-308	7.1	24
120	Melt spinning synthesis of p-type skutterudites: Drastically speed up the process of high performance thermoelectrics. <i>Scripta Materialia</i> , 2016 , 116, 26-30	5.6	23
119	General surfactant-free synthesis of binary silver chalcogenides with tuneable thermoelectric properties. <i>Chemical Engineering Journal</i> , 2020 , 393, 124763	14.7	22
118	Magnetic and Transport Properties in Gd _{1-x} Sr _x CoO _{3-δ} ($x = 0.10\bar{.}70$). <i>Chemistry of Materials</i> , 2006 , 18, 1029-1035	9.6	21
117	Melt-spun Sn ₁₈ B Mn Te with unique multiscale microstructures approaching exceptional average thermoelectric zT. <i>Nano Energy</i> , 2021 , 84, 105879	17.1	21
116	Strong lattice anharmonicity securing intrinsically low lattice thermal conductivity and high performance thermoelectric SnSb ₂ Te ₄ via Se alloying. <i>Nano Energy</i> , 2020 , 76, 105084	17.1	20
115	Thermoelectric properties of Co _{0.9} Fe _{0.1} Sb ₃ -based skutterudite nanocomposites with FeSb ₂ nano-inclusions. <i>Journal of Applied Physics</i> , 2011 , 109, 063722	2.5	20
114	Influence of doping level on the Hall coefficient and on the thermoelectric power in Nd _{2-x} Ce _x CuO _{4+δ} . <i>Physical Review B</i> , 2005 , 72,	3.3	20
113	Improving thermoelectric performance of p-type Ag-doped Mg ₂ Si _{0.4} Sn _{0.6} prepared by unique melt spinning method. <i>Applied Thermal Engineering</i> , 2017 , 111, 1396-1400	5.8	19
112	High thermoelectric performance of CuSbSe nanocrystals with CuSe in situ inclusions synthesized by a microwave-assisted solvothermal method. <i>Nanoscale</i> , 2018 , 10, 14546-14553	7.7	19
111	Colloidal synthesis of Cu _{2-x} Ag _x CdSnSe ₄ nanocrystals: microstructures facilitate high performance thermoelectricity. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 12273-12280	7.1	19
110	High thermoelectric performance in complex phosphides enabled by stereochemically active lone pair electrons. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 24877-24884	13	19
109	Synergistic Effect of Bismuth and Indium Codoping for High Thermoelectric Performance of Melt Spinning SnTe Alloys. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23337-23345	9.5	18
108	Investigation on 316L/316L-50W/W plate functionally graded materials fabricated by spark plasma sintering. <i>Fusion Engineering and Design</i> , 2017 , 125, 171-177	1.7	18
107	The evolution of magnetotransport properties with carrier concentration in Ca ₃ Co ₄ O _{9+δ} single crystals. <i>Europhysics Letters</i> , 2006 , 74, 526-532	1.6	18
106	Realizing enhanced thermoelectric properties in Cu ₂ S-alloyed SnSe based composites produced via solution synthesis and sintering. <i>Journal of Materials Science and Technology</i> , 2021 , 78, 121-130	9.1	18
105	Enhanced thermoelectric properties of YbZn ₂ Sb _{2-x} Bi _x through a synergistic effect via Bi-doping. <i>Chemical Engineering Journal</i> , 2019 , 374, 589-595	14.7	17
104	High Thermoelectric Performance in Sulfide-Type Argyrodites Compound Ag ₈ Sn(S _{1-x} Se _x) ₆ Enabled by Ultralow Lattice Thermal Conductivity and Extended Cubic Phase Regime. <i>Advanced Functional Materials</i> , 2020 , 30, 2000526	15.6	17

103	In-plane ferromagnetism in charge-ordering Na _{0.55} CoO ₂ . <i>Physical Review Letters</i> , 2006 , 96, 216401	7.4	17
102	Synthesis and characterization of one-dimensional K _{0.27} MnO ₂ ·D ₂ H ₂ O. <i>Journal of Crystal Growth</i> , 2005 , 280, 292-299	1.6	17
101	Promoted high temperature carrier mobility and thermoelectric performance of InTe enabled by altering scattering mechanism. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 11690-11698	13	16
100	High Thermoelectric Performance of Co-Doped P-Type Polycrystalline SnSe via Optimizing Electrical Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 8446-8455	9.5	16
99	Tuning the temperature domain of phonon drag in thin films by the choice of substrate. <i>Physical Review Letters</i> , 2013 , 111, 046803	7.4	16
98	Thermoelectric Performance of Sb- and La-Doped Mg ₂ Si _{0.5} Ge _{0.5} . <i>Journal of Electronic Materials</i> , 2012 , 41, 1589-1594	1.9	16
97	Realizing high thermoelectric performance in Te nanocomposite through Sb ₂ Te ₃ incorporation. <i>CrystEngComm</i> , 2018 , 20, 7729-7738	3.3	15
96	Dimensional crossover and anomalous magnetoresistivity of superconducting Na _x CoO ₂ single crystals. <i>Physical Review B</i> , 2005 , 71,	3.3	14
95	Contributed Review: Instruments for measuring Seebeck coefficient of thin film thermoelectric materials: A mini-review. <i>Review of Scientific Instruments</i> , 2018 , 89, 101501	1.7	14
94	Temperature dependence of Raman scattering in single crystal SnSe. <i>Vibrational Spectroscopy</i> , 2020 , 107, 103034	2.1	13
93	Large-Scale Colloidal Synthesis of Co-doped Cu ₂ SnSe ₃ Nanocrystals for Thermoelectric Applications. <i>Journal of Electronic Materials</i> , 2016 , 45, 1935-1941	1.9	13
92	Super-rapid Preparation of Nanostructured Nd _x Fe ₃ CoSb ₁₂ Compounds and Their Improved Thermoelectric Performance. <i>Journal of Electronic Materials</i> , 2016 , 45, 1271-1277	1.9	13
91	Spheroidization by Plasma Processing and Characterization of Stainless Steel Powder for 3D Printing. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 4831-4841	2.3	13
90	Entropy Engineered Cubic n-Type AgBiSe ₂ Alloy with High Thermoelectric Performance in Fully Extended Operating Temperature Range. <i>Advanced Energy Materials</i> , 2021 , 11, 2003304	21.8	13
89	Intriguing substitution of conducting layer triggered enhancement of thermoelectric performance in misfit-layered (SnS) _{1.2} (TiS ₂) ₂ . <i>Applied Physics Letters</i> , 2017 , 110, 043507	3.4	12
88	Enhanced thermoelectric performance in copper-deficient Cu ₂ GeSe ₃ . <i>Journal of Alloys and Compounds</i> , 2017 , 723, 708-713	5.7	12
87	Femtosecond laser-induced nanostructure formation in Sb ₂ Te ₃ . <i>Applied Physics Letters</i> , 2011 , 99, 121903	3.4	12
86	Oxygen isotope effect on the spin-state transition in (Pr _{0.7} Sm _{0.3}) _{0.7} Ca _{0.3} CoO ₃ . <i>Physical Review B</i> , 2006 , 73,	3.3	12

85	Anomalous magnetoresistance in $[Sr_2Bi_{2-x}Pb_xO_4]_y[CoO_2]_y$ ($x = 0, 0.3, \text{ and } 0.4; y \approx 1.85$) single crystals. <i>European Physical Journal B</i> , 2006 , 49, 37-45	1.2	12
84	Structure-Dependent Thermoelectric Properties of GeSeTe ($0 \leq x \leq 0.5$). <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 41381-41389	9.5	12
83	Facile microwave-assisted hydrothermal synthesis of SnSe: impurity removal and enhanced thermoelectric properties. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 10333-10341	7.1	11
82	Magnetic and transport properties in $CoSr_2Y_{1-x}Ca_xCu_2O_7$ ($x=0-0.4$). <i>Physical Review B</i> , 2004 , 70,	3.3	11
81	Achieving Enhanced Thermoelectric Performance in (SnTe)(SbTe) and (SnTe)(SbSe) Synthesized via Solvothermal Reaction and Sintering. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44805-44814	9.5	11
80	Rapid preparation of $Ge_{0.9}Sb_{0.1}Te_{1+x}$ via unique melt spinning: Hierarchical microstructure and improved thermoelectric performance. <i>Journal of Alloys and Compounds</i> , 2019 , 774, 129-136	5.7	10
79	The role of electronegativity in the thermoelectric performance of $GeTe_{1-x}V_x$ solid solutions. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2385-2393	13	10
78	Synergistically promoted thermoelectric performance of SnTe by alloying with NaBiTe ₂ . <i>Applied Physics Letters</i> , 2020 , 116, 173902	3.4	9
77	Anisotropic-strain-induced monoclinic distortion and robust charge-ordering in ultrathin $Pr_{0.5}Sr_{0.5}MnO_3$ films. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 062004	3	9
76	Giant isotope effect and spin state transition induced by oxygen isotope exchange in $(Pr_{1-x}Sm_x)_{0.7}Ca_{0.3}CoO_3$. <i>Physical Review B</i> , 2006 , 74,	3.3	9
75	Thermal hysteresis and anisotropy in the magnetoresistance of antiferromagnetic $Nd_{2-x}CexCuO_4$. <i>Physical Review B</i> , 2005 , 72,	3.3	9
74	Optimization of Ag Nanoparticles on Thermoelectric Performance of Ba-Filled Skutterudite. <i>Science of Advanced Materials</i> , 2017 , 9, 682-687	2.3	9
73	Enhanced thermoelectric properties of p-type argyrodites $Cu_8Ge_6S_6$ through Cu vacancy. <i>Journal of Alloys and Compounds</i> , 2020 , 822, 153665	5.7	9
72	Fabrication of P-type transparent conducting $Cu_xZn_{1-x}S$ films on glass substrates with high conductivity and optical transparency. <i>Journal of Alloys and Compounds</i> , 2018 , 750, 750-756	5.7	8
71	Oxygen isotope effect on the superconductivity and stripe phase in $La_{1.6-x}Nd_{0.4}Sr_xCuO_4$. <i>Physical Review B</i> , 2007 , 75,	3.3	8
70	Exceptional Performance Driven by Planar Honeycomb Structure in a New High Temperature Thermoelectric Material BaAgAs. <i>Advanced Functional Materials</i> , 2021 , 31, 2100583	15.6	8
69	Two impurity energy level regulation leads to enhanced thermoelectric performance of $Ag_{1-x}CdxIn_5Se_8$. <i>RSC Advances</i> , 2017 , 7, 12719-12725	3.7	7
68	Thermoelectricity of n-type $MnBi_{4-5}S_{7-x}Se_x$ solid solution. <i>Chemical Engineering Journal</i> , 2020 , 396, 125219	14.7	7

67	Raising the Thermoelectric Performance of Fe ₃ CoSb ₁₂ Skutterudites via Nd Filling and In-Situ Nanostructuring. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 3841-7	1.3	7
66	Sintering temperature dependence of thermoelectric performance in CuCrSe ₂ prepared via mechanical alloying. <i>Scripta Materialia</i> , 2017 , 127, 127-131	5.6	7
65	Association of TNF- α Gene Promoter Polymorphisms With Susceptibility of Cervical Cancer in Southwest China. <i>Laboratory Medicine</i> , 2011 , 42, 287-290	1.6	7
64	Transport properties and magnetic-field-induced localization in the misfit cobaltite [Bi ₂ Ba _{1.3} K _{0.6} Co _{0.1} O ₄]RS[CoO ₂] _{1.97} single crystal. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 215221 ¹⁸	1.8	7
63	Realizing Cd and Ag codoping in p-type Mg ₃ Sb ₂ toward high thermoelectric performance. <i>Journal of Magnesium and Alloys</i> , 2021 ,	8.8	7
62	zT = 1.1 in CuInTe ₂ Solid Solutions Enabled by Rational Defect Engineering. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2039-2048	6.1	7
61	Highly (1 0 0)-orientated SnSe thin films deposited by pulsed-laser deposition. <i>Applied Surface Science</i> , 2021 , 535, 147694	6.7	7
60	Achieving higher thermoelectric performance for p-type Cr ₂ Ge ₂ Te ₆ via optimizing doping. <i>Applied Physics Letters</i> , 2018 , 113, 263902	3.4	7
59	Realizing both n- and p-types of high thermoelectric performance in Fe _{1-x} Ni _x TiSb half-Heusler compounds. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 3156-3164	7.1	6
58	Solvothermal synthesis of wire-like Sn _x Sb ₂ Te _{3+x} with an enhanced thermoelectric performance. <i>Dalton Transactions</i> , 2016 , 45, 7483-91	4.3	6
57	Band engineering and precipitation enhance thermoelectric performance of SnTe with Zn-doping. <i>Chinese Physics B</i> , 2018 , 27, 047202	1.2	6
56	Enhanced thermoelectric performance in Cu ₂ GeSe ₃ via (Ag,Ga)-co-doping on cation sites. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 218-225	5.7	6
55	Unconventional Doping Effect Leads to Ultrahigh Average Thermoelectric Power Factor in Cu SbSe ₂ -based Composites.. <i>Advanced Materials</i> , 2022 , e2109952	24	6
54	Realizing Enhanced Thermoelectric Performance and Hardness in Icosahedral Cu FeS ₂ Se with High-Density Twin Boundaries. <i>Small</i> , 2021 , e2104592	11	6
53	Dimensional characteristics of Ti-6Al-4V thin-walled parts prepared by wire-based multi-laser additive manufacturing in vacuum. <i>Rapid Prototyping Journal</i> , 2019 , 25, 849-856	3.8	6
52	High-Temperature Thermoelectric Properties of Ge-Substituted p-Type Nd-Filled Skutterudites. <i>Journal of Electronic Materials</i> , 2017 , 46, 2958-2963	1.9	5
51	Magnetic-field-induced spin-flop transition in Na _x CoO ₂ (0.5). <i>Physical Review B</i> , 2007 , 76,	3.3	5
50	The unique evolution of transport bands and thermoelectric performance enhancement by extending low-symmetry phase to high temperature in tin selenide. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9345-9351	7.1	5

49	Atomic-Scale Visualization and Quantification of Configurational Entropy in Relation to Thermal Conductivity: A Proof-of-Principle Study in -GeSbTe. <i>Advanced Science</i> , 2021 , 8, 2002051	13.6	5
48	Super-fast preparation of Nd-filled p-type skutterudite compounds with enhanced thermoelectric properties. <i>Ceramics International</i> , 2017 , 43, 7443-7447	5.1	4
47	Natural sylvanite Cu ₃ MX ₄ (M = Nb, Ta; X = S, Se): Promising visible-light photocatalysts for water splitting. <i>Computational Materials Science</i> , 2019 , 165, 137-143	3.2	4
46	Manipulating the phase transformation temperature to achieve cubic Cu ₅ FeS ₄ and enhanced thermoelectric performance. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 17222-17228	7.1	4
45	Effect of iron-doping on spin-state transition and ferromagnetism in cobalt oxides. <i>Journal of Solid State Chemistry</i> , 2006 , 179, 2174-2181	3.3	4
44	Rapid Fabrication of CuInSb _x Te _{2-x} (0 ≤ x ≤ 1.0) Compounds and Their Thermoelectric Performance. <i>Science of Advanced Materials</i> , 2015 , 7, 2672-2678	2.3	4
43	Constructing n-type Ag ₂ Se/CNTs composites toward synergistically enhanced thermoelectric and mechanical performance. <i>Acta Materialia</i> , 2022 , 223, 117502	8.4	4
42	Thermoelectric performance of binary lithium-based compounds: Li ₃ Sb and Li ₃ Bi. <i>Applied Physics Letters</i> , 2021 , 119, 033901	3.4	4
41	Phase Composition Manipulation and Twin Boundary Engineering Lead to Enhanced Thermoelectric Performance of Cu ₂ SnS ₃ . <i>ACS Applied Energy Materials</i> , 2021 , 4, 9240-9247	6.1	4
40	Thermoelectric study of Zn-doped n-type AgIn ₅ Se ₈ : Hopping and band electrical conduction along with low lattice thermal conduction in diamond-like structure. <i>Journal of Alloys and Compounds</i> , 2019 , 805, 444-453	5.7	3
39	The origin of superconductivity in nominally "undoped" La _{2-x} Y _x CuO ₄ films. <i>Superconductor Science and Technology</i> , 2008 , 21, 065005	3.1	3
38	Effect of Ce doping and oxygen content on pseudogap and anisotropy in Nd _{2-x} Ce _x CuO ₄ . <i>Superconductor Science and Technology</i> , 2005 , 18, 763-769	3.1	3
37	Boosting the thermoelectric performance of p-type polycrystalline SnSe with high doping efficiency via precipitation design. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 2991-2998	13	3
36	Crystal structure of high-performance thermoelectric materials by high resolution neutron powder diffraction. <i>Physica B: Condensed Matter</i> , 2018 , 551, 64-68	2.8	3
35	Colloidal synthesis of diamond-like compound Cu ₂ SnTe ₃ and thermoelectric properties of (Cu _{0.96} InTe ₂) _{1-x} (Cu ₂ SnTe ₃) solid solutions. <i>Chemical Engineering Journal</i> , 2021 , 422, 129985	14.7	3
34	Phase Modulation Enabled High Thermoelectric Performance in Polycrystalline GeSe _{0.75} Te _{0.25} . <i>Advanced Functional Materials</i> , 2021 , 31, 2111238	15.6	3
33	Anomalous Thermoelectric Performance in Asymmetric Dirac Semimetal BaAgBi. <i>Journal of Physical Chemistry Letters</i> , 2022 , 2291-2298	6.4	3
32	Ultralow Lattice Thermal Conductivity of Cubic CuFeS ₂ Induced by Atomic Disorder. <i>Chemistry of Materials</i> , 2021 , 33, 9795-9802	9.6	3

31	Thermoelectric Properties of Ce/Pb Co-doped Polycrystalline $\text{In}_{4-x}\text{Ce}_x\text{Pb}_{0.01}\text{Se}_3$ Compounds. <i>Journal of Electronic Materials</i> , 2017 , 46, 3215-3220	1.9	2
30	Investigation of the thermoelectric properties of the PbTe-SrTe system. <i>Materials Research Society Symposia Proceedings</i> , 2010 , 1267, 1		2
29	Novel dynamical effects and glassy response in a strongly correlated electronic system. <i>Physical Review Letters</i> , 2008 , 100, 146402	7.4	2
28	Phase separation induced by oxygen deficiency in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ thin films. <i>Solid State Communications</i> , 2007 , 144, 454-459	1.6	2
27	Achieving high average power factor in tetrahedrite $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$ via regulating electron-phonon coupling strength. <i>Materials Today Physics</i> , 2022 , 22, 100590	8	2
26	Strong lattice anharmonicity exhibited by the high-energy optical phonons in thermoelectric material. <i>New Journal of Physics</i> , 2020 , 22, 083083	2.9	2
25	Super Deformability and Thermoelectricity of Bulk InSe Single Crystals. <i>Chinese Physics B</i> ,	1.2	2
24	Synergistically optimized thermoelectric properties of $\text{Ag}_{1+x}\text{In}_5\text{Se}_8$ alloys. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 3545-3553	6.8	2
23	Se substitution and micro-nano-scale porosity enhancing thermoelectric Cu_2Te . <i>Chinese Physics B</i> , 2018 , 27, 047204	1.2	2
22	Complex alloying effect on thermoelectric transport properties of $\text{Cu}_2\text{Ge}(\text{Se}_{1-x}\text{Te}_x)_3$. <i>Chinese Physics B</i> , 2018 , 27, 067201	1.2	2
21	The role of electronic affinity for dopants in thermoelectric transport properties of InTe . <i>Journal of Alloys and Compounds</i> , 2021 , 869, 159224	5.7	2
20	High thermoelectric performance of tellurium-free n-type $\text{AgBi}_{1-x}\text{Sb}_x\text{Se}_2$ with stable cubic structure enabled by entropy engineering. <i>Acta Materialia</i> , 2021 , 220, 117291	8.4	2
19	Band convergence and thermoelectric performance enhancement of InSb via Bi doping. <i>Intermetallics</i> , 2021 , 139, 107347	3.5	2
18	Microstructure and wear properties of spark plasma sintered 316L-30W composites. <i>Materials Science and Technology</i> , 2018 , 34, 513-518	1.5	1
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