

# Jian Zhang

## List of Publications by Year in descending order

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118  
papers

4,041  
citations

94269

37  
h-index

149479

56  
g-index

119  
all docs

119  
docs citations

119  
times ranked

3020  
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraordinary Thermoelectric Performance Realized in n-type PbTe through Multiphase Nanostructure Engineering. <i>Advanced Materials</i> , 2017, 29, 1703148.	11.1	209
2	Realizing High Figure of Merit in Phase-Separated Polycrystalline Sn <sub>1-x</sub> Pb <sub>x</sub> Se. <i>Journal of the American Chemical Society</i> , 2016, 138, 13647-13654.	6.6	201
3	Achieving High Thermoelectric Figure of Merit in Polycrystalline SnSe via Introducing Sn Vacancies. <i>Journal of the American Chemical Society</i> , 2018, 140, 499-505.	6.6	180
4	Enhanced thermoelectric performance of p-type SnSe doped with Zn. <i>Scripta Materialia</i> , 2017, 126, 6-10.	2.6	116
5	Achieving high thermoelectric performance with Pb and Zn codoped polycrystalline SnSe via phase separation and nanostructuring strategies. <i>Nano Energy</i> , 2018, 53, 683-689.	8.2	98
6	High thermoelectric performance of n-type Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> via nanostructure engineering. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9642-9649.	5.2	93
7	Realizing high thermoelectric performance in eco-friendly SnTe via synergistic resonance levels, band convergence and endotaxial nanostructuring with Cu <sub>2</sub> Te. <i>Nano Energy</i> , 2020, 73, 104832.	8.2	81
8	Chemical synthesis of nanostructured Cu <sub>2</sub> Se with high thermoelectric performance. <i>RSC Advances</i> , 2014, 4, 8638.	1.7	79
9	Effects of bismuth doping on the thermoelectric properties of Cu <sub>3</sub> SbSe <sub>4</sub> at moderate temperatures. <i>Journal of Alloys and Compounds</i> , 2013, 561, 105-108.	2.8	75
10	A Route to Phase Controllable Cu <sub>2</sub> ZnSn(S <sub>1-x</sub> Se <sub>x</sub> ) <sub>4</sub> Nanocrystals with Tunable Energy Bands. <i>Scientific Reports</i> , 2013, 3, 2733.	1.6	73
11	Synergistic band convergence and endotaxial nanostructuring: Achieving ultralow lattice thermal conductivity and high figure of merit in eco-friendly SnTe. <i>Nano Energy</i> , 2020, 67, 104261.	8.2	72
12	Enhanced thermoelectric performance of n-type Bi <sub>2</sub> Se <sub>3</sub> doped with Cu. <i>Journal of Alloys and Compounds</i> , 2015, 639, 9-14.	2.8	67
13	Extremely low thermal conductivity and enhanced thermoelectric performance of polycrystalline SnSe by Cu doping. <i>Scripta Materialia</i> , 2018, 147, 74-78.	2.6	67
14	Simultaneous increase in conductivity and phonon scattering in a graphene nanosheets/(Bi <sub>2</sub> Te <sub>3</sub> ) <sub>0.2</sub> (Sb <sub>2</sub> Te <sub>3</sub> ) <sub>0.8</sub> thermoelectric nanocomposite. <i>Journal of Alloys and Compounds</i> , 2016, 661, 389-395.	2.8	66
15	Lattice Strain Leads to High Thermoelectric Performance in Polycrystalline SnSe. <i>ACS Nano</i> , 2021, 15, 8204-8215.	7.3	66
16	Design of Domain Structure and Realization of Ultralow Thermal Conductivity for Record-High Thermoelectric Performance in Chalcopyrite. <i>Advanced Materials</i> , 2019, 31, e1905210.	11.1	61
17	Achieving high thermoelectric performance through constructing coherent interfaces and building interface potential barriers in n-type Bi <sub>2</sub> Te <sub>3</sub> /Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> nanocomposites. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19120-19129.	5.2	59
18	Enhanced thermoelectric performance of $\hat{\Gamma}$ -Zn <sub>4</sub> Sb <sub>3</sub> based nanocomposites through combined effects of density of states resonance and carrier energy filtering. <i>Scientific Reports</i> , 2015, 5, 17803.	1.6	58

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19	Enhanced thermopower and energy filtering effect from synergetic scattering at heterojunction potentials in the thermoelectric composites with semiconducting nano-inclusions. <i>Journal of Alloys and Compounds</i> , 2013, 558, 203-211.	2.8	57
20	Electrode activation via vesiculation: improved reversible capacity of $\text{Fe}_2\text{O}_3/\text{C}/\text{MWNT}$ composite anodes for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 9682-9688.	5.2	55
21	Co-precipitation synthesis of nanostructured $\text{Cu}_3\text{SbSe}_4$ and its Sn-doped sample with high thermoelectric performance. <i>Dalton Transactions</i> , 2014, 43, 1888-1896.	1.6	54
22	Enhanced thermoelectric performance of highly oriented polycrystalline SnSe based composites incorporated with SnTe nano-inclusions. <i>Journal of Alloys and Compounds</i> , 2016, 689, 87-93.	2.8	50
23	Enhanced thermoelectric performance of $\text{CuGaTe}_2$ based composites incorporated with nanophase $\text{Cu}_2\text{Se}$ . <i>Journal of Materials Chemistry A</i> , 2014, 2, 2891.	5.2	49
24	Revisiting $\text{AgCrSe}_2$ as a promising thermoelectric material. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23872-23878.	1.3	48
25	Enhanced thermoelectric performance through carrier scattering at heterojunction potentials in $\text{BiSbTe}$ based composites with $\text{Cu}_3\text{SbSe}_4$ nano-inclusions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7045-7052.	2.7	46
26	Transport properties and enhanced thermoelectric performance of aluminum doped $\text{Cu}_3\text{SbSe}_4$ . <i>RSC Advances</i> , 2015, 5, 31399-31403.	1.7	46
27	Enhanced thermoelectric performance of $\text{Cu}_2\text{Se}/\text{Bi}_0.4\text{Sb}_{1.6}\text{Te}_3$ nanocomposites at elevated temperatures. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	46
28	Nanostructured SnSe integrated with Se quantum dots with ultrahigh power factor and thermoelectric performance from magnetic field-assisted hydrothermal synthesis. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15757-15765.	5.2	45
29	Enhanced power factor and thermoelectric performance for n-type $\text{Bi}_2\text{Te}_{2.7}\text{Se}_{0.3}$ based composites incorporated with 3D topological insulator nano-inclusions. <i>Nano Energy</i> , 2021, 80, 105512.	8.2	44
30	Simultaneous enhancement in thermoelectric power factor and phonon blocking in hierarchical nanostructured $\text{In}_2\text{Zn}_4\text{Sb}_3\text{-Cu}_3\text{SbSe}_4$ . <i>Applied Physics Letters</i> , 2014, 104, .	1.5	43
31	Enhanced thermoelectric performance in SnSe based composites with PbTe nano-inclusions. <i>Energy</i> , 2016, 116, 861-866.	4.5	43
32	Enhanced thermoelectric performance via carrier energy filtering effect in $\text{In}_2\text{Zn}_4\text{Sb}_3$ alloy bulk embedded with $(\text{Bi}_2\text{Te}_3)_{0.2}(\text{Sb}_2\text{Te}_3)_{0.8}$ . <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	42
33	Enhanced thermoelectric performance of nanostructured topological insulator $\text{Bi}_2\text{Se}_3$ . <i>Applied Physics Letters</i> , 2015, 106, .	1.5	41
34	High-performance eco-friendly MnTe thermoelectrics through introducing SnTe nanocrystals and manipulating band structure. <i>Nano Energy</i> , 2021, 81, 105649.	8.2	40
35	Boosting Thermoelectric Performance of $\text{Cu}_2\text{SnSe}_3$ via Comprehensive Band Structure Regulation and Intensified Phonon Scattering by Multidimensional Defects. <i>ACS Nano</i> , 2021, 15, 10532-10541.	7.3	40
36	Enhanced thermoelectric performance of $\text{BiCuSeO}$ by increasing Seebeck coefficient through magnetic ion incorporation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 13392-13399.	5.2	39

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37	Realizing High Thermoelectric Performance below Phase Transition Temperature in Polycrystalline SnSe via Lattice Anharmonicity Strengthening and Strain Engineering. ACS Applied Materials & Interfaces, 2018, 10, 30558-30565.	4.0	39
38	Ultralow Thermal Conductivity and High Thermoelectric Performance of N-type Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> -Based Composites Incorporated with GaAs Nanoinclusions. ACS Applied Materials & Interfaces, 2020, 12, 37155-37163.	4.0	39
39	Boosting Thermoelectric Performance of SnSe via Tailoring Band Structure, Suppressing Bipolar Thermal Conductivity, and Introducing Large Mass Fluctuation. ACS Applied Materials & Interfaces, 2019, 11, 45133-45141.	4.0	38
40	Self-Powered Filterless Narrow-Band $\pi$ Heterojunction Photodetector for Low Background Limited Near-Infrared Image Sensor Application. ACS Applied Materials & Interfaces, 2020, 12, 21845-21853.	4.0	37
41	High thermoelectric performance for an Ag <sub>2</sub> Se-based material prepared by a wet chemical method. Materials Chemistry Frontiers, 2020, 4, 875-880.	3.2	35
42	Co-precipitation synthesis of Sn and/or S doped nanostructured Cu <sub>3</sub> Sb <sub>1-x</sub> Sn <sub>x</sub> Se <sub>4-y</sub> S <sub>y</sub> with a high thermoelectric performance. CrystEngComm, 2013, 15, 7166.	1.3	34
43	Thermoelectric Properties of Co-Doped TiS <sub>2</sub> . Journal of Electronic Materials, 2011, 40, 980-986.	1.0	33
44	Thermoelectric properties of hydrothermally synthesized Bi <sub>2</sub> Te <sub>3-x</sub> Sex nanocrystals. Scripta Materialia, 2012, 67, 161-164.	2.6	33
45	Enhanced thermoelectric performance of n-type Sn <sub>x</sub> Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> based composites embedded with in-situ formed SnBi and Te nanoinclusions. Composites Part B: Engineering, 2020, 197, 108151.	5.9	32
46	Enhanced thermoelectric performance of BiSbTe-based composites incorporated with amorphous Si <sub>3</sub> N <sub>4</sub> nanoparticles. RSC Advances, 2015, 5, 34251-34256.	1.7	31
47	Light Element Doping and Introducing Spin Entropy: An Effective Strategy for Enhancement of Thermoelectric Properties in BiCuSeO. ACS Applied Materials & Interfaces, 2019, 11, 15543-15551.	4.0	31
48	Enhanced thermoelectric performance of SnSe based composites with carbon black nanoinclusions. Applied Physics Letters, 2016, 109, .	1.5	30
49	The effect of Mn substitution on thermoelectric properties of Ca <sub>3</sub> Mn <sub>x</sub> Co <sub>4-x</sub> O <sub>9</sub> at low temperatures. Solid State Communications, 2005, 134, 235-238.	0.9	29
50	Enhanced thermoelectric properties of neodymium intercalated compounds Nd <sub>x</sub> TiS <sub>2</sub> . Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 348, 379-385.	0.9	29
51	Thermoelectric properties of nanocrystalline (Mg <sub>1-x</sub> Zn <sub>x</sub> ) <sub>3</sub> Sb <sub>2</sub> isostructural solid solutions fabricated by mechanical alloying. Journal Physics D: Applied Physics, 2009, 42, 165403.	1.3	29
52	Transport and thermoelectric properties of nanocrystal substitutional semiconductor alloys (Mg <sub>1-x</sub> Cdx) <sub>3</sub> Sb <sub>2</sub> doped with Ag. Journal of Alloys and Compounds, 2009, 484, 498-504.	2.8	29
53	Enhanced thermoelectric performance of a quintuple layer of Bi <sub>2</sub> Te <sub>3</sub> . Journal of Applied Physics, 2014, 116, 023706.	1.1	29
54	Enhanced thermoelectric performance of Bi <sub>0.4</sub> Sb <sub>1.6</sub> Te <sub>3</sub> based composites with CuInTe <sub>2</sub> inclusions. Journal of Alloys and Compounds, 2018, 758, 72-77.	2.8	29

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55	Enhanced thermoelectric figure of merit in p-type $\text{In}_2\text{Zn}_4\text{Sb}_3/\text{Bi}_{0.4}\text{Sb}_{1.6}\text{Te}_3$ nanocomposites. RSC Advances, 2016, 6, 12243-12248.	1.7	28
56	Oriented Attachment Revisited: Does a Chemical Reaction Occur?. Matter, 2019, 1, 690-704.	5.0	27
57	Improved Figure of Merit of $\text{Cu}_2\text{SnSe}_3$ via Band Structure Modification and Energy-Dependent Carrier Scattering. ACS Applied Materials & Interfaces, 2020, 12, 19693-19700.	4.0	27
58	Enhanced thermoelectric properties of Ag-doped compounds $\text{CuAg}_x\text{Ga}_{1-x}\text{Te}_2$ ( $0 \leq x \leq 0.05$ ). Journal of Alloys and Compounds, 2014, 586, 285-288.	2.8	24
59	Preparation and enhanced thermoelectric performance of Pb-doped tetrahedrite $\text{Cu}_{12-x}\text{Pb}_x\text{Sb}_4\text{S}_{13}$ . Journal of Alloys and Compounds, 2018, 769, 478-483.	2.8	24
60	High thermoelectric properties for Sn-doped $\text{AgSbSe}_2$ . Journal of Alloys and Compounds, 2015, 635, 87-91.	2.8	23
61	Enhanced thermoelectric properties of bismuth intercalated compounds $\text{Bi}_x\text{TiS}_2$ . Solid State Communications, 2005, 135, 237-240.	0.9	22
62	Thermoelectric anisotropy of n-type $\text{Bi}_2\text{Te}_3$ - $\text{Sb}_x\text{Se}_x$ prepared by spark plasma sintering. RSC Advances, 2015, 5, 43717-43722.	1.7	22
63	Enhancement of thermoelectric performance of $\text{In}_2\text{Zn}_4\text{Sb}_3$ through resonant distortion of electronic density of states doped with Gd. Journal of Materials Chemistry A, 2015, 3, 11768-11772.	5.2	22
64	Realized high power factor and thermoelectric performance in $\text{Cu}_3\text{SbSe}_4$ . Intermetallics, 2019, 109, 68-73.	1.8	22
65	Realization of High Thermoelectric Performance in Polycrystalline Tin Selenide through Schottky Vacancies and Endotaxial Nanostructuring. Chemistry of Materials, 2020, 32, 9761-9770.	3.2	22
66	Electrical transport behavior of $\text{Ca}_3\text{Mn}_x\text{Co}_{4-x}\text{O}_9$ ( $0 \leq x \leq 1.28$ ) at low temperatures. Journal of Applied Physics, 2006, 99, 053709.	1.1	21
67	Enhanced thermoelectric performance of highly dense and fine-grained $(\text{Sr}_{1-x}\text{Gd}_x)\text{TiO}_3$ ceramics synthesized by sol-gel process and spark plasma sintering. Journal of Alloys and Compounds, 2014, 588, 562-567.	2.8	21
68	Realized high power factor and thermoelectric performance in $\text{Cu}_2\text{SnSe}_3$ . Scripta Materialia, 2019, 159, 46-50.	2.6	21
69	Thermoelectric performance of nanostructured In/Pb codoped SnTe with band convergence and resonant level prepared via a green and facile hydrothermal method. Nanoscale, 2020, 12, 5857-5865.	2.8	21
70	Achieving High Thermoelectric Performance in p-Type BST/PbSe Nanocomposites through the Scattering Engineering Strategy. ACS Applied Materials & Interfaces, 2020, 12, 46181-46189.	4.0	20
71	Enhanced thermoelectric performance of $\text{In}_2\text{Zn}_4\text{Sb}_3$ based composites incorporated with large proportion of nanophase $\text{Cu}_3\text{SbSe}_4$ . Journal of Alloys and Compounds, 2014, 588, 568-572.	2.8	19
72	High Thermoelectric Performance of SnTe via In Doping and $\text{Cu}_{1.75}\text{Se}$ Nanostructuring Approach. ACS Applied Energy Materials, 2019, 2, 8966-8973.	2.5	19

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73	Achieving high power factor and thermoelectric performance through dual substitution of Zn and Se in tetrahedrites Cu <sub>12</sub> Sb <sub>4</sub> Se <sub>13</sub> . Applied Physics Letters, 2019, 115, .	1.5	19
74	Ultralow Thermal Conductivity and Extraordinary Thermoelectric Performance Realized in Codoped Cu <sub>3</sub> SbSe <sub>4</sub> by Plasma Spark Sintering. ACS Applied Materials & Interfaces, 2020, 12, 3886-3892.	4.0	19
75	Improving the power factor and figure of merit of p-type CuSbSe <sub>2</sub> via introducing Sb vacancies. Journal of Materials Chemistry C, 2021, 9, 14858-14865.	2.7	19
76	Enhanced thermoelectric properties of iron doped compound (Zn <sub>1-x</sub> Fe <sub>x</sub> ) <sub>4</sub> Sb <sub>3</sub> . Intermetallics, 2010, 18, 1106-1110.	1.8	18
77	Thermoelectric properties of TiS <sub>2</sub> -xPbSnS <sub>3</sub> nanocomposites. Journal of Alloys and Compounds, 2017, 696, 1342-1348.	2.8	18
78	Enhanced thermoelectric performance of PbTe based materials by Bi doping and introducing MgO nanoparticles. Applied Physics Letters, 2020, 117, .	1.5	18
79	Improved Thermoelectric Performance of Cu <sub>12</sub> Sb <sub>4</sub> Se <sub>13</sub> through Cd-Substitution Induced Enhancement of Electronic Density of States and Phonon Scattering. ACS Applied Materials & Interfaces, 2021, 13, 25092-25101.	4.0	18
80	Creating high-dense stacking faults and endo-grown nanoneedles to enhance phonon scattering and improve thermoelectric performance of Cu <sub>2</sub> SnSe <sub>3</sub> . Nano Energy, 2022, 100, 107510.	8.2	18
81	The effects of elements doping on transport and thermoelectric properties of SrTi <sub>2</sub> O <sub>7</sub> . Journal of Physics and Chemistry of Solids, 2014, 75, 629-637.	1.9	16
82	Achieving a High Thermoelectric Performance of Tetrahedrites by Adjusting the Electronic Density of States and Enhancing Phonon Scattering. ACS Applied Materials & Interfaces, 2019, 11, 23361-23371.	4.0	16
83	Synergetic modulation of power factor and thermal conductivity for Cu <sub>3</sub> SbSe <sub>4</sub> -based system. Materials Today Energy, 2020, 18, 100491.	2.5	16
84	Ultralow Thermal Conductivity and Enhanced Figure of Merit for CuSbSe <sub>2</sub> via Cd-Doping. ACS Applied Energy Materials, 2021, 4, 1637-1643.	2.5	16
85	The transport and thermoelectric properties of Cd doped compounds (Cd <sub>x</sub> Ti <sub>1-x</sub> ) <sub>1+y</sub> S <sub>2</sub> . Journal of Alloys and Compounds, 2009, 479, 816-820.	2.8	15
86	Synthesis and thermoelectric properties of Zn <sub>4</sub> Sb <sub>3</sub> /Bi <sub>0.5</sub> Sb <sub>1.5</sub> Te <sub>3</sub> bulk nanocomposites. Journal of Alloys and Compounds, 2010, 500, 215-219.	2.8	15
87	Enhanced thermoelectric performance of CuGaTe <sub>2</sub> based composites incorporated with graphite nanosheets. Applied Physics Letters, 2016, 108, .	1.5	15
88	Mechanical and magnetic properties of $\hat{1}^3$ -Ni $\hat{e}$ -xFe/Al <sub>2</sub> O <sub>3</sub> composites. Composites Science and Technology, 2007, 67, 1530-1540.	3.8	14
89	Enhanced thermoelectric performance of CuGaTe <sub>2</sub> by Gd-doping and Te incorporation. Intermetallics, 2015, 60, 45-49.	1.8	14
90	Introducing PbSe quantum dots and manipulating lattice strain contributing to high thermoelectric performance in polycrystalline SnSe. Materials Today Physics, 2021, 21, 100542.	2.9	14

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91	Synergistically optimized electrical and thermal properties by introducing electron localization and phonon scattering centers in $\text{CuGaTe}_2$ with enhanced mechanical properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7534-7542.	2.7	13
92	Synergistic optimization of electrical and thermal transport in n-type Bi-doped PbTe by introducing coherent nanophase $\text{Cu}_{1.75}\text{Te}$ . <i>Journal of Materiomics</i> , 2021, 7, 146-155.	2.8	13
93	The effect of Mg substitution for Ti on transport and thermoelectric properties of $\text{TiS}_2$ . <i>Journal of Applied Physics</i> , 2007, 102, 073703.	1.1	12
94	High thermoelectric performance of tetrahedrites through InSb inclusion. <i>Materialia</i> , 2018, 3, 169-173.	1.3	12
95	Fabrication of nanocrystalline $\text{Mg}_3\text{X}_2$ (X=Bi, Sb) with supersaturated solid solubility by mechanical alloying. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 128, 192-200.	1.7	11
96	The electrical and thermal conductivity and thermopower of nickel doped compounds $(\text{Ni}_x\text{Ti}_{1-x})_{1+y}\text{S}_2$ at low temperatures. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 1230-1236.	1.3	11
97	Electrical transport and thermoelectric properties of $\text{Y}_{1-x}\text{Ca}_x\text{CoO}_3$ ( $0 \leq x \leq 0.1$ ) at high temperatures. <i>Journal of Applied Physics</i> , 2007, 101, 083709.	1.1	11
98	Simultaneously enhanced power factor and phonon scattering in $\text{Bi}_{0.4}\text{Sb}_{1.6}\text{Te}_3$ alloy doped with germanium. <i>Scripta Materialia</i> , 2018, 154, 118-122.	2.6	11
99	Improving the thermoelectric performance of $\text{Cu}_2\text{SnSe}_3$ via regulating micro- and electronic structures. <i>Nanoscale</i> , 2021, 13, 4233-4240.	2.8	11
100	High temperature thermoelectric properties of Nb-doped ZnO ceramics. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1811-1815.	1.9	10
101	Ultra-low thermal conductivity and high thermoelectric performance realized in a $\text{Cu}_3\text{SbSe}_4$ based system. <i>Materials Chemistry Frontiers</i> , 2021, 5, 324-332.	3.2	10
102	Effects of Sb Deviation from Its Stoichiometric Ratio on the Micro- and Electronic Structures and Thermoelectric Properties of $\text{Cu}_{12}\text{Sb}_4\text{S}_{13}$ . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14145-14153.	4.0	9
103	Graphene modified Li-rich cathode material $\text{Li}[\text{Li}_{0.26}\text{Ni}_{0.07}\text{Co}_{0.07}\text{Mn}_{0.56}]\text{O}_2$ for lithium ion battery. <i>Functional Materials Letters</i> , 2014, 07, 1440013.		
104	Improved thermoelectric properties of gadolinium intercalated compounds $\text{Gd}_x\text{TiS}_2$ at the temperatures from 5 to 310 K. <i>Journal of Materials Research</i> , 2006, 21, 480-483.	1.2	7
105	Synthesis of monodispersed nanometer-sized YAG powders by a modified coprecipitation method. <i>Journal of Rare Earths</i> , 2008, 26, 674-677.	2.5	7
106	Optimized thermoelectric properties of $\text{AgSbTe}_2$ through adjustment of fabrication parameters. <i>Electronic Materials Letters</i> , 2015, 11, 133-137.	1.0	7
107	The effects of high-pressure compression on transport and thermoelectric properties of $\text{TiS}_2$ at low temperatures from 5 to 310 K. <i>Journal of Applied Physics</i> , 2008, 103, 123704.	1.1	6
108	Thermoelectric Performance for SnSe Hot-Pressed at Different Temperature. <i>Journal of Electronic Materials</i> , 2017, 46, 79-84.	1.0	6

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109	Transport and thermoelectric properties of Sr <sub>3</sub> (Ti <sub>0.95</sub> R <sub>0.05</sub> ) <sub>2</sub> O <sub>7</sub> (R = Ta, Nb, W) oxides. Journal of Applied Physics, 2012, 112, .	1.1	5
110	Thermoelectric properties of homogeneously and non-homogeneously doped CdTe <sub>15/16</sub> M <sub>1/16</sub> (M=N, P). Journal of Applied Physics, 2012, 112, 112101.	1.9	4
111	Ultralow Lattice Thermal Conductivity and High Thermoelectric Figure of Merit in Dually Substituted Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> Tetrahedrites. Advanced Electronic Materials, 2022, 8, .	2.6	4
112	Transport and thermoelectric properties of n-type Ruddlesden-Popper phase (Sr <sub>1-x</sub> Gdx) <sub>3</sub> (Ti <sub>1-y</sub> Tay) <sub>2</sub> O <sub>7</sub> oxides. Journal Physics D: Applied Physics, 2012, 45, 415401.	1.3	3
113	Effects of topological edge states on the thermoelectric properties of Bi nanoribbons. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3167-3172.	0.9	3
114	The Anisotropic High Thermoelectric Performance in (BixSb1-x) <sub>2</sub> Te <sub>3</sub> . International Journal of Metallurgical & Materials Engineering, 2017, 3, .	0.1	3
115	Pressure-induced structural phase transition in wide-gap molecular solid CF <sub>4</sub> . Chemical Physics Letters, 2011, 512, 223-226.	1.2	2
116	Preparation and thermoelectric properties of rare-earth-metal-doped SrO(SrTiO <sub>3</sub> ) <sub>n</sub> oxides. Procedia Engineering, 2012, 27, 103-108.	1.2	2
117	Electrical and Magnetic Properties for Bulk FeSe and FeSe <sub>0.5</sub> Te <sub>0.5</sub> Superconductors. Journal of Electronic Materials, 2021, 50, 941-946.	1.0	2
118	Fabrication and thermoelectric properties of n-type (Sr <sub>0.9</sub> Gd <sub>0.1</sub> )TiO <sub>3</sub> oxides. Functional Materials Letters, 2014, 07, 1450014.	0.7	0