

# Jian Zhang

## List of Publications by Year in descending order

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118  
papers

4,041  
citations

94433

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149698

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119  
all docs

119  
docs citations

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times ranked

3020  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	16.0	18
2	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, .	5.1	4
3	Synergistic optimization of electrical and thermal transport in n-type Bi-doped PbTe by introducing coherent nanophase Cu <sub>1.75</sub> Te. Journal of Materiomics, 2021, 7, 146-155.	5.7	13
4	Ultra-low thermal conductivity and high thermoelectric performance realized in a Cu <sub>3</sub> SbSe <sub>4</sub> based system. Materials Chemistry Frontiers, 2021, 5, 324-332.	5.9	10
5	High-performance eco-friendly MnTe thermoelectrics through introducing SnTe nanocrystals and manipulating band structure. Nano Energy, 2021, 81, 105649.	16.0	40
6	Enhanced power factor and thermoelectric performance for n-type Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> based composites incorporated with 3D topological insulator nanoinclusions. Nano Energy, 2021, 80, 105512.	16.0	44
7	Ultralow Thermal Conductivity and Enhanced Figure of Merit for CuSbSe <sub>2</sub> via Cd-Doping. ACS Applied Energy Materials, 2021, 4, 1637-1643.	5.1	16
8	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.	2.2	2
9	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.	5.5	19
10	Lattice Strain Leads to High Thermoelectric Performance in Polycrystalline SnSe. ACS Nano, 2021, 15, 8204-8215.	14.6	66
11	Improved Thermoelectric Performance of Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> through Gd-Substitution Induced Enhancement of Electronic Density of States and Phonon Scattering. ACS Applied Materials & Interfaces, 2021, 13, 25092-25101.	8.0	18
12	Boosting Thermoelectric Performance of Cu <sub>2</sub> SnSe <sub>3</sub> via Comprehensive Band Structure Regulation and Intensified Phonon Scattering by Multidimensional Defects. ACS Nano, 2021, 15, 10532-10541.	14.6	40
13	Introducing PbSe quantum dots and manipulating lattice strain contributing to high thermoelectric performance in polycrystalline SnSe. Materials Today Physics, 2021, 21, 100542.	6.0	14
14	Improving the thermoelectric performance of Cu <sub>2</sub> SnSe <sub>3</sub> via regulating micro- and electronic structures. Nanoscale, 2021, 13, 4233-4240.	5.6	11
15	Synergistic band convergence and endotaxial nanostructuring: Achieving ultralow lattice thermal conductivity and high figure of merit in eco-friendly SnTe. Nano Energy, 2020, 67, 104261.	16.0	72
16	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.	8.0	19
17	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.	4.7	16
18	Achieving High Thermoelectric Performance in p-Type BST/PbSe Nanocomposites through the Scattering Engineering Strategy. ACS Applied Materials & Interfaces, 2020, 12, 46181-46189.	8.0	20

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19	Realization of High Thermoelectric Performance in Polycrystalline Tin Selenide through Schottky Vacancies and Endotaxial Nanostructuring. <i>Chemistry of Materials</i> , 2020, 32, 9761-9770.	6.7	22
20	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. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 37155-37163.	8.0	39
21	Enhanced thermoelectric performance of PbTe based materials by Bi doping and introducing MgO nanoparticles. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	18
22	Enhanced thermoelectric performance of n-type SnxBi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> based composites embedded with in-situ formed SnBi and Te nanoinclusions. <i>Composites Part B: Engineering</i> , 2020, 197, 108151.	12.0	32
23	Thermoelectric performance of nanostructured In/Pb codoped SnTe with band convergence and resonant level prepared via a green and facile hydrothermal method. <i>Nanoscale</i> , 2020, 12, 5857-5865.	5.6	21
24	Effects of Sb Deviation from Its Stoichiometric Ratio on the Micro- and Electronic Structures and Thermoelectric Properties of Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 14145-14153.	8.0	9
25	High thermoelectric performance for an Ag <sub>2</sub> Se-based material prepared by a wet chemical method. <i>Materials Chemistry Frontiers</i> , 2020, 4, 875-880.	5.9	35
26	Synergistically optimized electrical and thermal properties by introducing electron localization and phonon scattering centers in CuGaTe <sub>2</sub> with enhanced mechanical properties. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7534-7542.	5.5	13
27	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.	16.0	81
28	Self-Powered Filterless Narrow-Band Heterojunction Photodetector for Low Background Limited Near-Infrared Image Sensor Application. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 21845-21853.	8.0	37
29	Improved Figure of Merit of Cu <sub>2</sub> SnSe <sub>3</sub> via Band Structure Modification and Energy-Dependent Carrier Scattering. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 19693-19700.	8.0	27
30	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.	10.3	59
31	Boosting Thermoelectric Performance of SnSe via Tailoring Band Structure, Suppressing Bipolar Thermal Conductivity, and Introducing Large Mass Fluctuation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 45133-45141.	8.0	38
32	Design of Domain Structure and Realization of Ultralow Thermal Conductivity for Record High Thermoelectric Performance in Chalcopyrite. <i>Advanced Materials</i> , 2019, 31, e1905210.	21.0	61
33	Achieving a High Thermoelectric Performance of Tetrahedrites by Adjusting the Electronic Density of States and Enhancing Phonon Scattering. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 23361-23371.	8.0	16
34	Oriented Attachment Revisited: Does a Chemical Reaction Occur?. <i>Matter</i> , 2019, 1, 690-704.	10.0	27
35	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.	10.3	45
36	Realized high power factor and thermoelectric performance in Cu <sub>3</sub> SbSe <sub>4</sub> . <i>Intermetallics</i> , 2019, 109, 68-73.	3.9	22

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37	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.	8.0	31
38	High Thermoelectric Performance of SnTe via In Doping and Cu <sub>1.75</sub> Se Nanostructuring Approach. ACS Applied Energy Materials, 2019, 2, 8966-8973.	5.1	19
39	Achieving high power factor and thermoelectric performance through dual substitution of Zn and Se in tetrahedrites Cu <sub>12</sub> Sb <sub>4</sub> S <sub>13</sub> . Applied Physics Letters, 2019, 115, .	3.3	19
40	Realized high power factor and thermoelectric performance in Cu <sub>2</sub> SnSe <sub>3</sub> . Scripta Materialia, 2019, 159, 46-50.	5.2	21
41	Extremely low thermal conductivity and enhanced thermoelectric performance of polycrystalline SnSe by Cu doping. Scripta Materialia, 2018, 147, 74-78.	5.2	67
42	Achieving High Thermoelectric Figure of Merit in Polycrystalline SnSe via Introducing Sn Vacancies. Journal of the American Chemical Society, 2018, 140, 499-505.	13.7	180
43	Achieving high thermoelectric performance with Pb and Zn codoped polycrystalline SnSe via phase separation and nanostructuring strategies. Nano Energy, 2018, 53, 683-689.	16.0	98
44	Preparation and enhanced thermoelectric performance of Pb-doped tetrahedrite Cu <sub>12-x</sub> Pb <sub>x</sub> Sb <sub>4</sub> S <sub>13</sub> . Journal of Alloys and Compounds, 2018, 769, 478-483.	5.5	24
45	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.	5.5	29
46	High thermoelectric performance of n-type Bi <sub>2</sub> Te <sub>2.7</sub> Se <sub>0.3</sub> via nanostructure engineering. Journal of Materials Chemistry A, 2018, 6, 9642-9649.	10.3	93
47	High thermoelectric performance of tetrahedrites through InSb inclusion. Materialia, 2018, 3, 169-173.	2.7	12
48	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.	8.0	39
49	Simultaneously enhanced power factor and phonon scattering in Bi <sub>0.4</sub> Sb <sub>1.6</sub> Te <sub>3</sub> alloy doped with germanium. Scripta Materialia, 2018, 154, 118-122.	5.2	11
50	Thermoelectric properties of TiS <sub>2-x</sub> PbSnS <sub>3</sub> nanocomposites. Journal of Alloys and Compounds, 2017, 696, 1342-1348.	5.5	18
51	Enhanced thermoelectric performance of BiCuSeO by increasing Seebeck coefficient through magnetic ion incorporation. Journal of Materials Chemistry A, 2017, 5, 13392-13399.	10.3	39
52	Extraordinary Thermoelectric Performance Realized in n-Type PbTe through Multiphase Nanostructure Engineering. Advanced Materials, 2017, 29, 1703148.	21.0	209
53	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.	2.1	3
54	Enhanced thermoelectric performance of p-type SnSe doped with Zn. Scripta Materialia, 2017, 126, 6-10.	5.2	116

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55	Thermoelectric Performance for SnSe Hot-Pressed at Different Temperature. Journal of Electronic Materials, 2017, 46, 79-84.	2.2	6
56	The Anisotropic High Thermoelectric Performance in $(\text{Bi}_x\text{Sb}_{1-x})_2\text{Te}_3$ . International Journal of Metallurgical & Materials Engineering, 2017, 3, .	0.1	3
57	Enhanced thermoelectric performance of SnSe based composites with carbon black nano inclusions. Applied Physics Letters, 2016, 109, .	3.3	30
58	Enhanced thermoelectric performance of $\text{CuGaTe}_2$ based composites incorporated with graphite nanosheets. Applied Physics Letters, 2016, 108, .	3.3	15
59	Enhanced thermoelectric performance of $\text{Cu}_2\text{Se}/\text{Bi}_0.4\text{Sb}_{1.6}\text{Te}_3$ nanocomposites at elevated temperatures. Applied Physics Letters, 2016, 108, .	3.3	46
60	Realizing High Figure of Merit in Phase-Separated Polycrystalline $\text{Sn}_{1-x}\text{Pb}_x\text{Se}$ . Journal of the American Chemical Society, 2016, 138, 13647-13654.	13.7	201
61	Revisiting $\text{AgCrSe}_2$ as a promising thermoelectric material. Physical Chemistry Chemical Physics, 2016, 18, 23872-23878.	2.8	48
62	Enhanced thermoelectric performance of highly oriented polycrystalline SnSe based composites incorporated with SnTe nano inclusions. Journal of Alloys and Compounds, 2016, 689, 87-93.	5.5	50
63	Enhanced thermoelectric performance in SnSe based composites with PbTe nano inclusions. Energy, 2016, 116, 861-866.	8.8	43
64	Enhanced thermoelectric figure of merit in p-type $\hat{1}^2\text{-Zn}_4\text{Sb}_3/\text{Bi}_{0.4}\text{Sb}_{1.6}\text{Te}_3$ nanocomposites. RSC Advances, 2016, 6, 12243-12248.	3.6	28
65	Simultaneous increase in conductivity and phonon scattering in a graphene nanosheets/ $(\text{Bi}_2\text{Te}_3)_{0.2}(\text{Sb}_2\text{Te}_3)_{0.8}$ thermoelectric nanocomposite. Journal of Alloys and Compounds, 2016, 661, 389-395.	5.5	66
66	Enhanced thermoelectric performance of $\hat{1}^2\text{-Zn}_4\text{Sb}_3$ based nanocomposites through combined effects of density of states resonance and carrier energy filtering. Scientific Reports, 2015, 5, 17803.	3.3	58
67	Thermoelectric anisotropy of n-type $\text{Bi}_2\text{Te}_{3-x}\text{Se}_x$ prepared by spark plasma sintering. RSC Advances, 2015, 5, 43717-43722.	3.6	22
68	Thermoelectric properties of homogeneously and non-homogeneously doped $\text{CdTe}_{15/16}\text{M}_{1/16}$ (M=N, P). Tj ETQq0,0,0 rgBT /Overlock 14.0		
69	Optimized thermoelectric properties of $\text{AgSbTe}_2$ through adjustment of fabrication parameters. Electronic Materials Letters, 2015, 11, 133-137.	2.2	7
70	Enhanced thermoelectric performance of $\text{CuGaTe}_2$ by Gd-doping and Te incorporation. Intermetallics, 2015, 60, 45-49.	3.9	14
71	Enhanced thermoelectric performance of nanostructured topological insulator $\text{Bi}_2\text{Se}_3$ . Applied Physics Letters, 2015, 106, .	3.3	41
72	High thermoelectric properties for Sn-doped $\text{AgSbSe}_2$ . Journal of Alloys and Compounds, 2015, 635, 87-91.	5.5	23

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73	Enhanced thermoelectric performance through carrier scattering at heterojunction potentials in BiSbTe based composites with Cu <sub>3</sub> SbSe <sub>4</sub> nanoinclusions. Journal of Materials Chemistry C, 2015, 3, 7045-7052.	5.5	46
74	Enhanced thermoelectric performance of n-type Bi <sub>2</sub> Se <sub>3</sub> doped with Cu. Journal of Alloys and Compounds, 2015, 639, 9-14.	5.5	67
75	Transport properties and enhanced thermoelectric performance of aluminum doped Cu <sub>3</sub> SbSe <sub>4</sub> . RSC Advances, 2015, 5, 31399-31403.	3.6	46
76	Enhancement of thermoelectric performance of $\hat{I}^2$ -Zn <sub>4</sub> Sb <sub>3</sub> through resonant distortion of electronic density of states doped with Gd. Journal of Materials Chemistry A, 2015, 3, 11768-11772.	10.3	22
77	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.	3.6	31
78	Electrode activation via vesiculation: improved reversible capacity of $\hat{I}^3$ -Fe <sub>2</sub> O <sub>3</sub> @C/MWNT composite anodes for lithium-ion batteries. Journal of Materials Chemistry A, 2015, 3, 9682-9688.	10.3	55
79	Graphene modified $\langle \text{Li} \rangle$ -rich cathode material $\langle \text{Li} \rangle [ \langle \text{Li} \rangle_{0.26} \langle \text{Ni} \rangle_{0.07} \langle \text{Co} \rangle_{0.07} \langle \text{Mn} \rangle_{0.60} ]$ for lithium ion battery. Functional Materials Letters, 2014, 07, 1440013.		
80	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.	1.2	0
81	Enhanced thermoelectric performance of a quintuple layer of Bi <sub>2</sub> Te <sub>3</sub> . Journal of Applied Physics, 2014, 116, 023706.	2.5	29
82	Simultaneous enhancement in thermoelectric power factor and phonon blocking in hierarchical nanostructured $\hat{I}^2$ -Zn <sub>4</sub> Sb <sub>3</sub> -Cu <sub>3</sub> SbSe <sub>4</sub> . Applied Physics Letters, 2014, 104, .	3.3	43
83	Chemical synthesis of nanostructured Cu <sub>2</sub> Se with high thermoelectric performance. RSC Advances, 2014, 4, 8638.	3.6	79
84	Enhanced thermoelectric performance of CuGaTe <sub>2</sub> based composites incorporated with nanophase Cu <sub>2</sub> Se. Journal of Materials Chemistry A, 2014, 2, 2891.	10.3	49
85	Co-precipitation synthesis of nanostructured Cu <sub>3</sub> SbSe <sub>4</sub> and its Sn-doped sample with high thermoelectric performance. Dalton Transactions, 2014, 43, 1888-1896.	3.3	54
86	Enhanced thermoelectric performance via carrier energy filtering effect in $\hat{I}^2$ -Zn <sub>4</sub> Sb <sub>3</sub> alloy bulk embedded with (Bi <sub>2</sub> Te <sub>3</sub> ) <sub>0.2</sub> (Sb <sub>2</sub> Te <sub>3</sub> ) <sub>0.8</sub> . Journal of Applied Physics, 2014, 115, .	2.5	42
87	Enhanced thermoelectric performance of highly dense and fine-grained (Sr <sub>1-x</sub> Gdx)TiO <sub>3</sub> ceramics synthesized by sol-gel process and spark plasma sintering. Journal of Alloys and Compounds, 2014, 588, 562-567.	5.5	21
88	The effects of elements doping on transport and thermoelectric properties of Sr <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> . Journal of Physics and Chemistry of Solids, 2014, 75, 629-637.	4.0	16
89	Enhanced thermoelectric performance of $\hat{I}^2$ -Zn <sub>4</sub> Sb <sub>3</sub> based composites incorporated with large proportion of nanophase Cu <sub>3</sub> SbSe <sub>4</sub> . Journal of Alloys and Compounds, 2014, 588, 568-572.	5.5	19
90	Enhanced thermoelectric properties of Ag-doped compounds CuAg <sub>x</sub> Ga <sub>1-x</sub> Te <sub>2</sub> (0 ≤ x ≤ 0.05). Journal of Alloys and Compounds, 2014, 586, 285-288.	5.5	24

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91	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.	5.5	75
92	High temperature thermoelectric properties of Nb-doped ZnO ceramics. <i>Journal of Physics and Chemistry of Solids</i> , 2013, 74, 1811-1815.	4.0	10
93	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.	3.3	73
94	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. <i>CrystEngComm</i> , 2013, 15, 7166.	2.6	34
95	Enhanced thermopower and energy filtering effect from synergetic scattering at heterojunction potentials in the thermoelectric composites with semiconducting nanoinclusions. <i>Journal of Alloys and Compounds</i> , 2013, 558, 203-211.	5.5	57
96	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. <i>Journal of Applied Physics</i> , 2012, 112, .	2.5	5
97	Preparation and thermoelectric properties of rare-earth-metal-doped SrO(SrTiO <sub>3</sub> ) <sub>n</sub> oxides. <i>Procedia Engineering</i> , 2012, 27, 103-108.	1.2	2
98	Transport and thermoelectric properties of n-type Ruddlesden-Popper phase (Sr <sub>1-x</sub> Gd <sub>x</sub> ) <sub>3</sub> (Ti <sub>1-y</sub> Ta <sub>y</sub> ) <sub>2</sub> O <sub>7</sub> oxides. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 415401.	2.8	3
99	Thermoelectric properties of hydrothermally synthesized Bi <sub>2</sub> Te <sub>3-x</sub> Se <sub>x</sub> nanocrystals. <i>Scripta Materialia</i> , 2012, 67, 161-164.	5.2	33
100	Pressure-induced structural phase transition in wide-gap molecular solid CF <sub>4</sub> . <i>Chemical Physics Letters</i> , 2011, 512, 223-226.	2.6	2
101	Thermoelectric Properties of Co-Doped TiS <sub>2</sub> . <i>Journal of Electronic Materials</i> , 2011, 40, 980-986.	2.2	33
102	Enhanced thermoelectric properties of iron doped compound (Zn <sub>1-x</sub> Fe <sub>x</sub> ) <sub>4</sub> Sb <sub>3</sub> . <i>Intermetallics</i> , 2010, 18, 1106-1110.	3.9	18
103	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. <i>Journal of Alloys and Compounds</i> , 2010, 500, 215-219.	5.5	15
104	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. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 165403.	2.8	29
105	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> . <i>Journal of Alloys and Compounds</i> , 2009, 479, 816-820.	5.5	15
106	Transport and thermoelectric properties of nanocrystal substitutional semiconductor alloys (Mg <sub>1-x</sub> Cd <sub>x</sub> ) <sub>3</sub> Sb <sub>2</sub> doped with Ag. <i>Journal of Alloys and Compounds</i> , 2009, 484, 498-504.	5.5	29
107	Synthesis of monodispersed nanometer-sized YAG powders by a modified coprecipitation method. <i>Journal of Rare Earths</i> , 2008, 26, 674-677.	4.8	7
108	The effects of high-pressure compression on transport and thermoelectric properties of TiS <sub>2</sub> at low temperatures from 5 to 310 K. <i>Journal of Applied Physics</i> , 2008, 103, 123704.	2.5	6

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109	Electrical transport and thermoelectric properties of $Y_{1-x}Ca_xCoO_3$ ( $0 \leq x \leq 0.1$ ) at high temperatures. <i>Journal of Applied Physics</i> , 2007, 101, 083709.	2.5	11
110	The effect of Mg substitution for Ti on transport and thermoelectric properties of $TiS_2$ . <i>Journal of Applied Physics</i> , 2007, 102, 073703.	2.5	12
111	Mechanical and magnetic properties of $\hat{3}$ -Ni $\hat{e}$ $\hat{x}$ Fe/Al $2O_3$ composites. <i>Composites Science and Technology</i> , 2007, 67, 1530-1540.	7.8	14
112	Enhanced thermoelectric properties of neodymium intercalated compounds $Nd_xTiS_2$ . <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 348, 379-385.	2.1	29
113	Fabrication of nanocrystalline $Mg_3X_2$ ( $X=Bi, Sb$ ) with supersaturated solid solubility by mechanical alloying. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 128, 192-200.	3.5	11
114	The electrical and thermal conductivity and thermopower of nickel doped compounds $(Ni_xTi_{1-x})_{1+y}S_2$ at low temperatures. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 1230-1236.	2.8	11
115	Improved thermoelectric properties of gadolinium intercalated compounds $Gd_xTiS_2$ at the temperatures from 5 to 310 K. <i>Journal of Materials Research</i> , 2006, 21, 480-483.	2.6	7
116	Electrical transport behavior of $Ca_3Mn_xCo_{4-x}O_9$ ( $0 \leq x \leq 1.28$ ) at low temperatures. <i>Journal of Applied Physics</i> , 2006, 99, 053709.	2.5	21
117	The effect of Mn substitution on thermoelectric properties of $Ca_3Mn_xCo_{4-x}O_9$ at low temperatures. <i>Solid State Communications</i> , 2005, 134, 235-238.	1.9	29
118	Enhanced thermoelectric properties of bismuth intercalated compounds $Bi_xTiS_2$ . <i>Solid State Communications</i> , 2005, 135, 237-240.	1.9	22