Xiaoyuan Zhou

List of Publications by Year in descending order

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		87888	76900
134 papers	6,162 citations	38 h-index	74 g-index

137 all docs	137 docs citations	137 times ranked	4380 citing authors

#	Article	IF	Citations
1	High Performance Thermoelectricity in Earthâ€Abundant Compounds Based on Natural Mineral Tetrahedrites. Advanced Energy Materials, 2013, 3, 342-348.	19.5	455
2	Broad temperature plateau for high ZTs in heavily doped p-type SnSe single crystals. Energy and Environmental Science, 2016, 9, 454-460.	30.8	396
3	High Thermoelectric Performance via Hierarchical Compositionally Alloyed Nanostructures. Journal of the American Chemical Society, 2013, 135, 7364-7370.	13.7	344
4	High Performance Na-doped PbTeâ€“PbS Thermoelectric Materials: Electronic Density of States Modification and Shape-Controlled Nanostructures. Journal of the American Chemical Society, 2011, 133, 16588-16597.	13.7	322
5	Unraveling the dual defect sites in graphite carbon nitride for ultra-high photocatalytic H₂O₂ evolution. Energy and Environmental Science, 2022, 15, 830-842.	30.8	308
6	Origin of low thermal conductivity in SnSe. Physical Review B, 2016, 94, .	3.2	287
7	Routes for high-performance thermoelectric materials. Materials Today, 2018, 21, 974-988.	14.2	265
8	Thermoelectrics with Earth Abundant Elements: High Performance p-type PbS Nanostructured with SrS and CaS. Journal of the American Chemical Society, 2012, 134, 7902-7912.	13.7	233
9	Optimized Thermoelectric Properties of Sb-Doped Mg_{2(1+z)}Si_{0.5â€“y}Sn_{0.5}Sb_y through Adjustment of the Mg Content. Chemistry of Materials, 2011, 23, 5256-5263.	6.7	148
10	Enhanced thermoelectric properties of n-type Mg2.16(Si0.4Sn0.6)1â^'ySby due to nano-sized Sn-rich precipitates and an optimized electron concentration. Journal of Materials Chemistry, 2012, 22, 13653.	6.7	134
11	Co and Pt Dualâ€Singleâ€Atoms with Oxygenâ€Coordinated Coâ€“Oâ€“Pt Dimer Sites for Ultrahigh Photocatalytic Hydrogen Evolution Efficiency. Advanced Materials, 2021, 33, e2003327.	21.0	123
12	Facile in situ solution synthesis of SnSe/rGO nanocomposites with enhanced thermoelectric performance. Journal of Materials Chemistry A, 2020, 8, 1394-1402.	10.3	117
13	Structure and Transport Properties of Double-Doped CoSb_{2.75}Ge_{0.25â€“x}Te_x (x = 0.125â€“0.20) with in Situ Nanostructure. Chemistry of Materials, 2011, 23, 2948-2955.	6.7	111
14	Ultrahigh Photocatalytic CO₂ Reduction Efficiency and Selectivity Manipulation by Singleâ€Tungstenâ€Atom Oxide at the Atomic Step of TiO₂. Advanced Materials, 2022, 34, e2109074.	21.0	107
15	Amorphous Carbon Nitride with Three Coordinate Nitrogen (N3_C) Vacancies for Exceptional NO_x Abatement in Visible Light. Advanced Energy Materials, 2021, 11, 2004001.	19.5	91
16	Enhanced thermoelectric properties of Ba-filled skutterudites by grain size reduction and Ag nanoparticle inclusion. Journal of Materials Chemistry, 2012, 22, 2958-2964.	6.7	87
17	Sodiumâ€Doped Tin Sulfide Single Crystal: A Nontoxic Earthâ€Abundant Material with High Thermoelectric Performance. Advanced Energy Materials, 2018, 8, 1800087.	19.5	80
18	Ultra-high average figure of merit in synergistic band engineered Sn Na1â^'Se0.9S0.1 single crystals. Materials Today, 2018, 21, 501-507.	14.2	71

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19	A polymer controlled nucleation route towards the generalized growth of organic-inorganic perovskite single crystals. Nature Communications, 2021, 12, 2023.	12.8	69
20	Microstructure and thermoelectric properties of CoSb2.75Ge0.25â^'Te prepared by rapid solidification. Acta Materialia, 2012, 60, 3536-3544.	7.9	62
21	Isotype Heterojunction-Boosted CO2 Photoreduction to CO. Nano-Micro Letters, 2022, 14, 74.	27.0	56
22	Piezoâ€Electrocatalysis for CO₂ Reduction Driven by Vibration. Advanced Energy Materials, 2022, 12, .	19.5	55
23	PbTeâ€“PbSnS2 thermoelectric composites: low lattice thermal conductivity from large microstructures. Energy and Environmental Science, 2012, 5, 8716.	30.8	54
24	Enhancing the Thermoelectric Performance of p-Type Mg₃Sb₂ via Codoping of Li and Cd. ACS Applied Materials & Interfaces, 2020, 12, 8359-8365.	8.0	54
25	Grain size optimization for high-performance polycrystalline SnSe thermoelectrics. Journal of Materials Chemistry A, 2017, 5, 14053-14060.	10.3	53
26	Dopant Induced Impurity Bands and Carrier Concentration Control for Thermoelectric Enhancement in p-Type Cr₂Ge₂Te₆. Chemistry of Materials, 2017, 29, 7401-7407.	6.7	53
27	Twin Engineering in Solutionâ€Synthesized Nonstoichiometric Cu₅FeS₄ Icosahedral Nanoparticles for Enhanced Thermoelectric Performance. Advanced Functional Materials, 2018, 28, 1705117.	14.9	53
28	Ultrahigh Photocatalytic Rate at a Singleâ€Metalâ€Atomâ€Oxide. Advanced Materials, 2019, 31, e1903491.	21.0	53
29	High-Temperature Structural and Thermoelectric Study of Argyrodite Ag₈GeSe₆. ACS Applied Materials & Interfaces, 2019, 11, 2168-2176.	8.0	51
30	Entropy Engineered Cubic nâ€Type AgBiSe₂ Alloy with High Thermoelectric Performance in Fully Extended Operating Temperature Range. Advanced Energy Materials, 2021, 11, 2003304.	19.5	51
31	Hierarchically structured TiO₂ for Ba-filled skutterudite with enhanced thermoelectric performance. Journal of Materials Chemistry A, 2014, 2, 20629-20635.	10.3	50
32	Grain boundary scattering effects on mobilities in p-type polycrystalline SnSe. Journal of Materials Chemistry C, 2017, 5, 10191-10200.	5.5	50
33	Ga-Doping-Induced Carrier Tuning and Multiphase Engineering in n-type PbTe with Enhanced Thermoelectric Performance. ACS Applied Materials & Interfaces, 2018, 10, 22401-22407.	8.0	49
34	Constructing n-type Ag2Se/CNTs composites toward synergistically enhanced thermoelectric and mechanical performance. Acta Materialia, 2022, 223, 117502.	7.9	48
35	Melt-spun Sn1â^'â^'Sb Mn Te with unique multiscale microstructures approaching exceptional average thermoelectric zT. Nano Energy, 2021, 84, 105879.	16.0	46
36	Band structure engineering in highly degenerate tetrahedrites through isovalent doping. Journal of Materials Chemistry A, 2016, 4, 17096-17103.	10.3	44

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37	Ultra rapid fabrication of p-type Li-doped Mg2Si0.4Sn0.6 synthesized by unique melt spinning method. Scripta Materialia, 2016, 115, 52-56.	5.2	40
38	Synergistic Strategy to Enhance the Thermoelectric Properties of CoSbS_{1â€“x}Se_x Compounds via Solid Solution. ACS Applied Materials & Interfaces, 2017, 9, 10595-10601.	8.0	38
39	Enhanced thermoelectric properties of YbZn2Sb2â^'xBix through a synergistic effect via Bi-doping. Chemical Engineering Journal, 2019, 374, 589-595.	12.7	38
40	High Thermoelectric Performance in Sulfideâ€Type Argyrodites Compound Ag₈Sn(S_{1â^'}_xSe_x)₆ Enabled by Ultralow Lattice Thermal Conductivity and Extended Cubic Phase Regime. Advanced Functional Materials, 2020, 30, 2000526.	14.9	38
41	Realizing enhanced thermoelectric properties in Cu2S-alloyed SnSe based composites produced via solution synthesis and sintering. Journal of Materials Science and Technology, 2021, 78, 121-130.	10.7	38
42	Crystal Structure, Charge Transport, and Magnetic Properties of MnSb₂Se₄. European Journal of Inorganic Chemistry, 2011, 2011, 3969-3977.	2.0	37
43	Fast and highly sensitive humidity sensors based on NaNbO₃ nanofibers. RSC Advances, 2015, 5, 20453-20458.	3.6	37
44	Intrinsically low thermal conductivity from a quasi-one-dimensional crystal structure and enhanced electrical conductivity network via Pb doping in SbCrSe3. NPG Asia Materials, 2017, 9, e387-e387.	7.9	37
45	Topological Dirac line nodes and superconductivity coexist in SnSe at high pressure. Physical Review B, 2017, 96, .	3.2	35
46	High thermoelectric performance balanced by electrical and thermal transport in tetrahedrites Cu12+Sb4S12Se. Energy Storage Materials, 2018, 13, 127-133.	18.0	35
47	General surfactant-free synthesis of binary silver chalcogenides with tuneable thermoelectric properties. Chemical Engineering Journal, 2020, 393, 124763.	12.7	33
48	High Thermoelectric Performance of Co-Doped P-Type Polycrystalline SnSe via Optimizing Electrical Transport Properties. ACS Applied Materials & Interfaces, 2020, 12, 8446-8455.	8.0	31
49	Donor and acceptor impurity-driven switching of magnetic ordering in MnSb_{2â^'x}Sn_xSe₄. Journal of Materials Chemistry C, 2014, 2, 6199-6210.	5.5	30
50	Synergistic Effect of Bismuth and Indium Codoping for High Thermoelectric Performance of Melt Spinning SnTe Alloys. ACS Applied Materials & Interfaces, 2019, 11, 23337-23345.	8.0	30
51	Large-scale colloidal synthesis of Cu₅FeS₄ compounds and their application in thermoelectrics. Journal of Materials Chemistry C, 2017, 5, 301-308.	5.5	29
52	High-performance magnesium-based thermoelectric materials: Progress and challenges. Journal of Magnesium and Alloys, 2022, 10, 1719-1736.	11.9	29
53	High thermoelectric performance in complex phosphides enabled by stereochemically active lone pair electrons. Journal of Materials Chemistry A, 2018, 6, 24877-24884.	10.3	28
54	Unconventional Doping Effect Leads to Ultrahigh Average Thermoelectric Power Factor in Cu₃SbSe₄â€Based Composites. Advanced Materials, 2022, 34, e2109952.	21.0	28

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55	Melt spinning synthesis of p-type skutterudites: Drastically speed up the process of high performance thermoelectrics. Scripta Materialia, 2016, 116, 26-30.	5.2	27
56	Effect of the Cu vacancy on the thermoelectric performance of p-type Cu1â˜'xInTe2 compounds. Ceramics International, 2017, 43, 16276-16282.	4.8	27
57	Achieving Enhanced Thermoelectric Performance in (SnTe)_{1-x}(Sb₂Te₃)_x and (SnTe)_{1-y}(Sb₂Se₃)_y Synthesized via Solvothermal Reaction and Sintering. ACS Applied Materials & Interfaces, 2020, 12, 44805-44814.	8.0	26
58	Promoted high temperature carrier mobility and thermoelectric performance of InTe enabled by altering scattering mechanism. Journal of Materials Chemistry A, 2019, 7, 11690-11698.	10.3	25
59	Exceptional Performance Driven by Planar Honeycomb Structure in a New High Temperature Thermoelectric Material BaAgAs. Advanced Functional Materials, 2021, 31, 2100583.	14.9	25
60	Low temperature thermoelectric properties of p-type doped single-crystalline SnSe. Applied Physics Letters, 2018, 112, .	3.3	24
61	Colloidal synthesis of Cu_{2â˜'x}Ag_xCdSnSe₄ nanocrystals: microstructures facilitate high performance thermoelectricity. Journal of Materials Chemistry C, 2015, 3, 12273-12280.	5.5	23
62	Magneto-Seebeck effect and ambipolar Nernst effect in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CsV</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> superconductor. Physical Review B, 2021, 104, .	3.2	23
63	The role of electronegativity in the thermoelectric performance of GeTeâ€“Iâ€“Vâ€“VI₂ solid solutions. Journal of Materials Chemistry A, 2021, 9, 2385-2393.	10.3	22
64	Thermoelectric properties of Co0.9Fe0.1Sb3-based skutterudite nanocomposites with FeSb2 nanoinclusions. Journal of Applied Physics, 2011, 109, .	2.5	21
65	Contributed Review: Instruments for measuring Seebeck coefficient of thin film thermoelectric materials: A mini-review. Review of Scientific Instruments, 2018, 89, 101501.	1.3	21
66	Structure Change and Rattling Dynamics in Cu₁₂Sb₄S₁₃ Tetrahedrite: an NMR Study. ACS Applied Materials & Interfaces, 2018, 10, 36010-36017.	8.0	19
67	Realizing Cd and Ag codoping in p-type Mg3Sb2 toward high thermoelectric performance. Journal of Magnesium and Alloys, 2023, 11, 2486-2494.	11.9	19
68	Anomalous Thermoelectric Performance in Asymmetric Dirac Semimetal BaAgBi. Journal of Physical Chemistry Letters, 2022, 13, 2291-2298.	4.6	19
69	Thermoelectric Performance of Sb- and La-Doped Mg2Si0.5Ge0.5. Journal of Electronic Materials, 2012, 41, 1589-1594.	2.2	18
70	Substitution defect enhancing thermoelectric properties in CuInTe2. Materials Research Bulletin, 2018, 101, 184-189.	5.2	18
71	Nitrous oxide emission mitigation during lowâ€“carbon source wastewater treatment: effect of external carbon source supply strategy. Environmental Science and Pollution Research, 2019, 26, 23095-23107.	5.3	18
72	Structure-Dependent Thermoelectric Properties of GeSe_{1â€“x}Te_x (0 â‰¤ x â‰¤ 0.5). ACS Applied Materials & Interfaces, 2020, 12, 41381-41389.	8.0	18

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73	Synergistically promoted thermoelectric performance of SnTe by alloying with NaBiTe2. Applied Physics Letters, 2020, 116, 173902.	3.3	18
74	Intriguing substitution of conducting layer triggered enhancement of thermoelectric performance in misfit-layered (SnS)1.2(TiS2)2. Applied Physics Letters, 2017, 110, .	3.3	17
75	Phase Composition Manipulation and Twin Boundary Engineering Lead to Enhanced Thermoelectric Performance of Cu₂SnS₃. ACS Applied Energy Materials, 2021, 4, 9240-9247.	5.1	17
76	Origin of <scp>Bismuthâ€Rich</scp> Strategy in Bismuth Oxyhalide Photocatalysts. Energy and Environmental Materials, 2023, 6, .	12.8	17
77	A Second Amorphous Layer Underneath Surface Oxide. Microscopy and Microanalysis, 2017, 23, 173-178.	0.4	16
78	Rapid preparation of Ge0.9Sb0.1Te1+ via unique melt spinning: Hierarchical microstructure and improved thermoelectric performance. Journal of Alloys and Compounds, 2019, 774, 129-136.	5.5	16
79	zT = 1.1 in CuInTe2 Solid Solutions Enabled by Rational Defect Engineering. ACS Applied Energy Materials, 2020, 3, 2039-2048.	5.1	16
80	An efficient Niâ€“P amorphous alloy electrocatalyst with a hierarchical structure toward borohydride oxidation. Dalton Transactions, 2021, 50, 10168-10179.	3.3	15
81	Realizing Enhanced Thermoelectric Performance and Hardness in Icosahedral Cu₅FeS_{4â^'}_xSe_x with Highâ€Density Twin Boundaries. Small, 2022, 18, e2104592.	10.0	15
82	A Tunable Structural Family with Ultralow Thermal Conductivity: Copper-Deficient Cu_{1â€“x}â–¡_xPb_{1â€“x}Bi_{1+x}S₃. Journal of the American Chemical Society, 2022, 144, 1846-1860.	13.7	15
83	Ultralow Lattice Thermal Conductivity of Cubic CuFeS₂ Induced by Atomic Disorder. Chemistry of Materials, 2021, 33, 9795-9802.	6.7	15
84	Large-Scale Colloidal Synthesis of Co-doped Cu2SnSe3 Nanocrystals for Thermoelectric Applications. Journal of Electronic Materials, 2016, 45, 1935-1941.	2.2	14
85	Super-rapid Preparation of Nanostructured Nd x Fe3CoSb12 Compounds and Their Improved Thermoelectric Performance. Journal of Electronic Materials, 2016, 45, 1271-1277.	2.2	14
86	Porous Niâ€“Cu Alloy Dendrite Anode Catalysts with High Activity and Selectivity for Direct Borohydride Fuel Cells. ACS Applied Materials & Interfaces, 2022, 14, 3910-3918.	8.0	14
87	The chemistry and structural thermal stability of hole-doped single crystalline SnSe. Journal of Alloys and Compounds, 2016, 688, 1088-1094.	5.5	12
88	Achieving higher thermoelectric performance for p-type Cr2Ge2Te6 via optimizing doping. Applied Physics Letters, 2018, 113, .	3.3	12
89	Realizing both n- and p-types of high thermoelectric performance in Fe1â^'xNixTiSb half-Heusler compounds. Journal of Materials Chemistry C, 2020, 8, 3156-3164.	5.5	11
90	Highly (100)-orientated SnSe thin films deposited by pulsed-laser deposition. Applied Surface Science, 2021, 535, 147694.	6.1	11

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91	In-situ micro-Raman study of SnSe single crystals under atmosphere: Effect of laser power and temperature. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2022, 265, 120375.	3.9	11
92	Enhanced thermoelectric performance in Cu2GeSe3 via (Ag,Ga)-co-doping on cation sites. Journal of Alloys and Compounds, 2018, 769, 218-225.	5.5	10
93	Synergistic effect of CuInSe₂alloying on enhancing the thermoelectric performance of Cu₂SnSe₃compounds. Journal of Materials Chemistry A, 2020, 8, 21181-21188.	10.3	10
94	Boosting the thermoelectric performance of p-type polycrystalline SnSe with high doping efficiency via precipitation design. Journal of Materials Chemistry A, 2021, 9, 2991-2998.	10.3	10
95	Solution-Synthesized SnSe_{1â€“x}S_x: Dual-Functional Materials with Enhanced Electrochemical Storage and Thermoelectric Performance. ACS Applied Materials & Interfaces, 2021, 13, 37201-37211.	8.0	10
96	Multiple Effects Promoting the Thermoelectric Performance of SnTe by Alloying with CuSbTe₂ and CuBiTe₂. ACS Applied Materials & Interfaces, 2021, 13, 52775-52782.	8.0	10
97	Effects of Lanthanum Substitution on Thermoelectric Properties of YbZn2Sb2. Journal of Electronic Materials, 2017, 46, 2611-2615.	2.2	9
98	Dynamic Epitaxial Crystallization of SnSe₂ on the Oxidized SnSe Surface and Its Atomistic Mechanisms. ACS Applied Materials & Interfaces, 2020, 12, .	8.0	9
99	Strong coupling between magnetic order and band topology in the antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>EuMnSb</mml:mi><mml:mn>2</mml:mn></mml:msub> Physical Review B, 2021, 104, .	3.2	9
100	Exceptional Thermoelectric Performance Enabled by High Carrier Mobility and Intrinsically Low Lattice Thermal Conductivity in Phosphide Cd₃P₂. Chemistry of Materials, 2022, 34, 1620-1626.	6.7	9
101	Two impurity energy level regulation leads to enhanced thermoelectric performance of Ag_{1â^'x}Cd_xIn₅Se₈. RSC Advances, 2017, 7, 12719-12725.	3.6	8
102	Manipulating the phase transformation temperature to achieve cubic Cu₅FeS_{4â^'x}Se_x and enhanced thermoelectric performance. Journal of Materials Chemistry C, 2020, 8, 17222-17228.	5.5	8
103	A dual mode electronic synapse based on layered SnSe films fabricated by pulsed laser deposition. Nanoscale Advances, 2020, 2, 1152-1160.	4.6	8
104	Thermoelectricity of n-type MnBi4S7-7xSe7x solid solution. Chemical Engineering Journal, 2020, 396, 125219.	12.7	8
105	Phase Tuning for Enhancing the Thermoelectric Performance of Solution-Synthesized Cu2â€“xS. ACS Applied Materials & Interfaces, 2021, 13, 39541-39549.	8.0	8
106	Colloidal synthesis of diamond-like compound Cu2SnTe3 and thermoelectric properties of (Cu0.96InTe2)1â^'(Cu2SnTe3) solid solutions. Chemical Engineering Journal, 2021, 422, 129985.	12.7	8
107	The unique evolution of transport bands and thermoelectric performance enhancement by extending low-symmetry phase to high temperature in tin selenide. Journal of Materials Chemistry C, 2020, 8, 9345-9351.	5.5	8
108	Photoinduced Ultrafast Symmetry Switch in SnSe. Journal of Physical Chemistry Letters, 2022, 13, 442-448.	4.6	8

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109	Charge Disproportionation Triggers Bipolar Doping in FeSb_{2â€“x}Sn_xSe₄ Ferromagnetic Semiconductors, Enabling a Temperature-Induced Lifshitz Transition. Journal of the American Chemical Society, 2019, 141, 9249-9261.	13.7	7
110	Thermoelectric performance of binary lithium-based compounds: Li3Sb and Li3Bi. Applied Physics Letters, 2021, 119, .	3.3	7
111	Phase Modulation Enabled High Thermoelectric Performance in Polycrystalline GeSe_{0.75}Te_{0.25}. Advanced Functional Materials, 2022, 32, .	14.9	7
112	High-Temperature Thermoelectric Properties of Ge-Substituted p-Type Nd-Filled Skutterudites. Journal of Electronic Materials, 2017, 46, 2958-2963.	2.2	6
113	Thermoelectric study of Zn-doped n-type AgIn5Se8: Hopping and band electrical conduction along with low lattice thermal conduction in diamond-like structure. Journal of Alloys and Compounds, 2019, 805, 444-453.	5.5	6
114	Synergistic modulation of the thermoelectric performance of melt-spun p-type Mg₂Sn via Na₂S and Si alloying. Journal of Materials Chemistry A, 2022, 10, 5452-5459.	10.3	6
115	Single-atom sites on perovskite chips for record-high sensitivity and quantification in SERS. Science China Materials, 2022, 65, 1601-1614.	6.3	6
116	Synergistically optimized thermoelectric properties of Ag_{1+x}In₅Se₈ alloys. Inorganic Chemistry Frontiers, 2019, 6, 3545-3553.	6.0	5
117	Ultra-small subnano TiO_x clusters as excellent cocatalysts for the photocatalytic degradation of tetracycline on plasmonic Ag/AgCl. Catalysis Science and Technology, 2020, 10, 147-153.	4.1	5
118	Enhanced Thermoelectric Performance in SmMg₂Bi₂ via Ca-Alloying and Ge-Doping. ACS Applied Energy Materials, 2022, 5, 5182-5190.	5.1	5
119	Attaining enhanced thermoelectric performance in p-type (SnSe)1â€“(SnS2) produced via sintering their solution-synthesized micro/nanostructures. Journal of Materials Science and Technology, 2022, 120, 205-213.	10.7	5
120	Effect of Al substitution on Thermoelectric Performance of CuInTe2 compounds. Materials Research Society Symposia Proceedings, 2015, 1735, 136.	0.1	4
121	Identification of vibrational mode symmetry and phonon anharmonicity in SbCrSe3 single crystal using Raman spectroscopy. Science China Materials, 2021, 64, 2824-2834.	6.3	4
122	Rapid Fabrication of CuInSb<I>_x</I>Te_{2â€“<I>x</I>} (0 â‰¤ <I>x</I> â‰¤ 0.10) Compounds and Their Thermoelectric Performance. Science of Advanced Materials, 2015, 7, 2672-2678.	0.7	4
123	Revealing the intrinsic p-to-n transition mechanism on Mg₃Sb₂ through extra Mg. Applied Physics Letters, 2022, 120, 173902.	3.3	4
124	Effect of Sn Doping in (Bi0.25Sb0.75)2â^'x Sn x Te3 (0Ââ‰ÂxÂâ‰Â0.1) on Thermoelectric Performance. Journal of Electronic Materials, 2016, 45, 1441-1446.	2.2	3
125	Copper-Ion Dynamics and Phase Segregation in Cu-Rich Tetrahedrite: an NMR Study. Journal of Physical Chemistry C, 2020, 124, 3973-3979.	3.1	3
126	Lattice Thermal Transport in the Homogeneous Cageâ€Like Compounds Cu₃VSe₄ and Cu₃NbSe₄: Interplay between Phononâ€Phase Space, Anharmonicity, and Atomic Mass. ChemPhysChem, 2021, 22, 2579-2584.	2.1	3

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127	Investigation of the valence band structure of PbSe by optical and transport measurement. Materials Research Society Symposia Proceedings, 2013, 1490, 75-81.	0.1	2
128	Photovoltaic performance of dye-sensitized solar cells using TiO2 nanotubes aggregates produced by hydrothermal synthesis. International Journal of Modern Physics B, 2015, 29, 1542050.	2.0	2
129	Thermoelectric Properties of Ce/Pb Co-doped Polycrystalline In4â^'x Ce x Pb0.01Se3 Compounds. Journal of Electronic Materials, 2017, 46, 3215-3220.	2.2	2
130	Thermoelectric CoGeTe with an Orthorhombic Crystal Symmetry and Balance of the Electrical and Thermal Properties. Inorganic Chemistry, 2021, 60, 12331-12338.	4.0	1
131	Rattling and Band-Filling Effects in Substituted Tetrahedrites: An NMR Study. Journal of Physical Chemistry C, 2021, 125, 18877-18886.	3.1	1
132	Realizing ultrahigh average figure of merit through manipulating layered phonon-electron decoupling. Science China Materials, 0, , .	6.3	1
133	Strong anharmonicity induced low lattice thermal conductivity and high thermoelectric performance in (CuInTe₂)_{1â^'}_x(AgSbTe₂)_x system. Applied Physics Letters, 2022, 121, 013903.	3.3	1
134	Se Vacancy Effect on the Thermoelectric Performance of Pb-Doped In4Pb0.01Se3â^'x Polycrystalline. Journal of Electronic Materials, 2017, 46, 3131-3136.	2.2	0