Guoyu Y Wang

List of Publications by Year
in descending order

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164 papers	5,199 citations	101384 36 h-index	106150 65 g-index
166 all docs	166 docs citations	166 times ranked	4374 citing authors

#	Article	IF	Citations
1	Strained endotaxial nanostructures with high thermoelectric figure of merit. Nature Chemistry, 2011, 3, 160-166.	6.6	911
2	Broad temperature plateau for high ZTs in heavily doped p-type SnSe single crystals. Energy and Environmental Science, 2016, 9, 454-460.	15.6	396
3	High thermoelectric figure of merit in nanostructured p-type PbTeâ€“MTe (M = Ca, Ba). Energy and Environmental Science, 2011, 4, 4675.	15.6	162
4	Thermoelectric enhancement in PbTe with K or Na codoping from tuning the interaction of the light- and heavy-hole valence bands. Physical Review B, 2010, 82, .	1.1	134
5	Facile in situ solution synthesis of SnSe/rGO nanocomposites with enhanced thermoelectric performance. Journal of Materials Chemistry A, 2020, 8, 1394-1402.	5.2	117
6	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.	3.2	111
7	In Situ Nanostructure Generation and Evolution within a Bulk Thermoelectric Material to Reduce Lattice Thermal Conductivity. Nano Letters, 2010, 10, 2825-2831.	4.5	108
8	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
9	Rapid fabrication of SnO₂ nanoparticle photocatalyst: computational understanding and photocatalytic degradation of organic dye. Inorganic Chemistry Frontiers, 2018, 5, 3005-3014.	3.0	85
10	Sodiumâ€Doped Tin Sulfide Single Crystal: A Nontoxic Earthâ€Abundant Material with High Thermoelectric Performance. Advanced Energy Materials, 2018, 8, 1800087.	10.2	80
11	Cr₂Ge₂Te₆: High Thermoelectric Performance from Layered Structure with High Symmetry. Chemistry of Materials, 2016, 28, 1611-1615.	3.2	78
12	Ultra-high average figure of merit in synergistic band engineered Sn Na1â^'Se0.9S0.1 single crystals. Materials Today, 2018, 21, 501-507.	8.3	71
13	Thermal and electronic charge transport in bulk nanostructured Zr0.25Hf0.75NiSn composites with full-Heusler inclusions. Journal of Solid State Chemistry, 2011, 184, 2948-2960.	1.4	70
14	Microstructure and thermoelectric properties of CoSb2.75Ge0.25â^'Te prepared by rapid solidification. Acta Materialia, 2012, 60, 3536-3544.	3.8	62
15	Enhancing the Thermoelectric Performance of p-Type Mg₃Sb₂ via Codoping of Li and Cd. ACS Applied Materials & Interfaces, 2020, 12, 8359-8365.	4.0	54
16	Grain size optimization for high-performance polycrystalline SnSe thermoelectrics. Journal of Materials Chemistry A, 2017, 5, 14053-14060.	5.2	53
17	Dopant Induced Impurity Bands and Carrier Concentration Control for Thermoelectric Enhancement in p-Type Cr₂Ge₂Te₆. Chemistry of Materials, 2017, 29, 7401-7407.	3.2	53
18	Twin Engineering in Solutionâ€Synthesized Nonstoichiometric Cu₅FeS₄ Icosahedral Nanoparticles for Enhanced Thermoelectric Performance. Advanced Functional Materials, 2018, 28, 1705117.	7.8	53

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19	High-Temperature Structural and Thermoelectric Study of Argyrodite Ag₈GeSe₆. ACS Applied Materials & Interfaces, 2019, 11, 2168-2176.	4.0	51
20	Entropy Engineered Cubic nâ€Type AgBiSe₂ Alloy with High Thermoelectric Performance in Fully Extended Operating Temperature Range. Advanced Energy Materials, 2021, 11, 2003304.	10.2	51
21	Hierarchically structured TiO₂ for Ba-filled skutterudite with enhanced thermoelectric performance. Journal of Materials Chemistry A, 2014, 2, 20629-20635.	5.2	50
22	Raman spectra in epitaxial thin films ofLa1âˆ'xCaxMnO3(x=0.33, 0.5) grown on different substrates. Physical Review B, 2004, 70, .	1.1	49
23	Ga-Doping-Induced Carrier Tuning and Multiphase Engineering in n-type PbTe with Enhanced Thermoelectric Performance. ACS Applied Materials & Interfaces, 2018, 10, 22401-22407.	4.0	49
24	Constructing n-type Ag2Se/CNTs composites toward synergistically enhanced thermoelectric and mechanical performance. Acta Materialia, 2022, 223, 117502.	3.8	48
25	Anisotropic hybrid particles based on electrohydrodynamic co-jetting of nanoparticle suspensions. Physical Chemistry Chemical Physics, 2010, 12, 11894.	1.3	46
26	Melt-spun Sn1âˆ'âˆ'Sb Mn Te with unique multiscale microstructures approaching exceptional average thermoelectric zT. Nano Energy, 2021, 84, 105879.	8.2	46
27	Transport properties of single-crystallineCuxTiSe2(0.015â©½xâ©½0.110). Physical Review B, 2007, 76, .	1.1	45
28	Thermoelectric properties of P-type Yb-filled skutterudite YbxFeyCo4-ySb12. Intermetallics, 2011, 19, 1390-1393.	1.8	45
29	Low-temperature transport properties of Tl-doped Bi<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Te<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>3</mml:mn></mml:msub></mml:math> single crystals. Physical Review B, 2013, 88, .	1.1	44
30	Thermoelectric Properties of Triple-Filled Ba x Yb y In z Co4Sb12 Skutterudites. Journal of Electronic Materials, 2011, 40, 570-576.	1.0	41
31	Magnetotransport properties in La1âˆ'xCaxMnO3 (x=0.33, 0.5) thin films deposited on different substrates. Journal of Applied Physics, 2005, 97, 083909.	1.1	40
32	Ultra rapid fabrication of p-type Li-doped Mg2Si0.4Sn0.6 synthesized by unique melt spinning method. Scripta Materialia, 2016, 115, 52-56.	2.6	40
33	Strong lattice anharmonicity securing intrinsically low lattice thermal conductivity and high performance thermoelectric SnSb2Te4 via Se alloying. Nano Energy, 2020, 76, 105084.	8.2	39
34	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.	4.0	38
35	Enhanced thermoelectric properties of YbZn2Sb2âˆ'xBix through a synergistic effect via Bi-doping. Chemical Engineering Journal, 2019, 374, 589-595.	6.6	38
36	High Thermoelectric Performance in Sulfideâ€Type Argyrodites Compound Ag₈Sn(S<sub>1âˆ'_xSe_x)₆ Enabled by Ultralow Lattice Thermal Conductivity and Extended Cubic Phase Regime. Advanced Functional Materials, 2020, 30, 2000526.	7.8	38

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37	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.	5.6	38
38	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.	3.8	37
39	Recent Advances in the Growth of Biâ€“Sbâ€“Teâ€“Se Thin Films. Science of Advanced Materials, 2011, 3, 539-560.	0.1	37
40	High thermoelectric performance balanced by electrical and thermal transport in tetrahedrites Cu12+Sb4S12Se. Energy Storage Materials, 2018, 13, 127-133.	9.5	35
41	Investigation on 316L/W functionally graded materials fabricated by mechanical alloying and spark plasma sintering. Journal of Nuclear Materials, 2016, 469, 32-38.	1.3	33
42	High thermoelectric performance of Cu₃SbSe₄ nanocrystals with Cu_{2â^'x}Se in situ inclusions synthesized by a microwave-assisted solvothermal method. Nanoscale, 2018, 10, 14546-14553.	2.8	33
43	General surfactant-free synthesis of binary silver chalcogenides with tuneable thermoelectric properties. Chemical Engineering Journal, 2020, 393, 124763.	6.6	33
44	High Thermoelectric Performance of Co-Doped P-Type Polycrystalline SnSe via Optimizing Electrical Transport Properties. ACS Applied Materials & Interfaces, 2020, 12, 8446-8455.	4.0	31
45	Synergistic Effect of Bismuth and Indium Codoping for High Thermoelectric Performance of Melt Spinning SnTe Alloys. ACS Applied Materials & Interfaces, 2019, 11, 23337-23345.	4.0	30
46	Coherent optical phonon spectroscopy studies of femtosecond-laser modified Sb2Te3 films. Applied Physics Letters, 2010, 97, 171908.	1.5	29
47	Improving thermoelectric performance of p-type Ag-doped Mg2Si0.4Sn0.6 prepared by unique melt spinning method. Applied Thermal Engineering, 2017, 111, 1396-1400.	3.0	29
48	Large-scale colloidal synthesis of Cu₅FeS₄ compounds and their application in thermoelectrics. Journal of Materials Chemistry C, 2017, 5, 301-308.	2.7	29
49	High-performance magnesium-based thermoelectric materials: Progress and challenges. Journal of Magnesium and Alloys, 2022, 10, 1719-1736.	5.5	29
50	High thermoelectric performance in complex phosphides enabled by stereochemically active lone pair electrons. Journal of Materials Chemistry A, 2018, 6, 24877-24884.	5.2	28
51	Unconventional Doping Effect Leads to Ultrahigh Average Thermoelectric Power Factor in Cu₃SbSe₄â€Based Composites. Advanced Materials, 2022, 34, e2109952.	11.1	28
52	Melt spinning synthesis of p-type skutterudites: Drastically speed up the process of high performance thermoelectrics. Scripta Materialia, 2016, 116, 26-30.	2.6	27
53	Enhanced thermoelectric properties of p-type argyrodites Cu8GeS6 through Cu vacancy. Journal of Alloys and Compounds, 2020, 822, 153665.	2.8	27
54	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.	4.0	26

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55	Promoted high temperature carrier mobility and thermoelectric performance of InTe enabled by altering scattering mechanism. Journal of Materials Chemistry A, 2019, 7, 11690-11698.	5.2	25
56	Exceptional Performance Driven by Planar Honeycomb Structure in a New High Temperature Thermoelectric Material BaAgAs. Advanced Functional Materials, 2021, 31, 2100583.	7.8	25
57	Tuning the Temperature Domain of Phonon Drag in Thin Films by the Choice of Substrate. Physical Review Letters, 2013, 111, 046803.	2.9	24
58	Colloidal synthesis of Cu_{2â^'x}Ag_xCdSnSe₄ nanocrystals: microstructures facilitate high performance thermoelectricity. Journal of Materials Chemistry C, 2015, 3, 12273-12280.	2.7	23
59	Magnetic and Transport Properties in Gd1-xSrxCoO3-Î´(x= 0.10â^'0.70). Chemistry of Materials, 2006, 18, 1029-1035.	3.2	22
60	Temperature dependence of Raman scattering in single crystal SnSe. Vibrational Spectroscopy, 2020, 107, 103034.	1.2	22
61	The role of electronegativity in the thermoelectric performance of GeTeâ€“Iâ€“Vâ€“VI₂ solid solutions. Journal of Materials Chemistry A, 2021, 9, 2385-2393.	5.2	22
62	Synthesis and characterization of one-dimensional K0.27MnO2Â·0.5H2O. Journal of Crystal Growth, 2005, 280, 292-299.	0.7	21
63	Thermoelectric properties of Co0.9Fe0.1Sb3-based skutterudite nanocomposites with FeSb2 nanoinclusions. Journal of Applied Physics, 2011, 109, .	1.1	21
64	Investigation on 316L/316L-50W/W plate functionally graded materials fabricated by spark plasma sintering. Fusion Engineering and Design, 2017, 125, 171-177.	1.0	21
65	Contributed Review: Instruments for measuring Seebeck coefficient of thin film thermoelectric materials: A mini-review. Review of Scientific Instruments, 2018, 89, 101501.	0.6	21
66	Influence of doping level on the Hall coefficient and on the thermoelectric power inNd2â^'xCexCuO4+Î´. Physical Review B, 2005, 72, .	1.1	20
67	Realizing high thermoelectric performance in Te nanocomposite through Sb₂Te₃ incorporation. CrystEngComm, 2018, 20, 7729-7738.	1.3	20
68	Enhanced thermoelectric performance in copper-deficient Cu2GeSe3. Journal of Alloys and Compounds, 2017, 723, 708-713.	2.8	19
69	Realizing Cd and Ag codoping in p-type Mg3Sb2 toward high thermoelectric performance. Journal of Magnesium and Alloys, 2023, 11, 2486-2494.	5.5	19
70	Anomalous Thermoelectric Performance in Asymmetric Dirac Semimetal BaAgBi. Journal of Physical Chemistry Letters, 2022, 13, 2291-2298.	2.1	19
71	The evolution of magnetotransport properties with carrier concentration in Ca 3 Co 4 O 9 + Î´ single crystals. Europhysics Letters, 2006, 74, 526-532.	0.7	18
72	Thermoelectric Performance of Sb- and La-Doped Mg2Si0.5Ge0.5. Journal of Electronic Materials, 2012, 41, 1589-1594.	1.0	18

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73	Structure-Dependent Thermoelectric Properties of GeSe_{1â€“x}Te_x (0 â‰¤ x â‰¤ 0.5). ACS Applied Materials & Interfaces, 2020, 12, 41381-41389.	4.0	18
74	Facile microwave-assisted hydrothermal synthesis of SnSe: impurity removal and enhanced thermoelectric properties. Journal of Materials Chemistry C, 2020, 8, 10333-10341.	2.7	18
75	Synergistically promoted thermoelectric performance of SnTe by alloying with NaBiTe2. Applied Physics Letters, 2020, 116, 173902.	1.5	18
76	High thermoelectric performance of tellurium-free n-type AgBi1-Sb Se2 with stable cubic structure enabled by entropy engineering. Acta Materialia, 2021, 220, 117291.	3.8	18
77	In-Plane Ferromagnetism in Charge-OrderingNa0.55CoO2. Physical Review Letters, 2006, 96, 216401.	2.9	17
78	Intriguing substitution of conducting layer triggered enhancement of thermoelectric performance in misfit-layered (SnS)1.2(TiS2)2. Applied Physics Letters, 2017, 110, .	1.5	17
79	Spheroidization by Plasma Processing and Characterization of Stainless Steel Powder for 3D Printing. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2017, 48, 4831-4841.	1.1	17
80	Phase Composition Manipulation and Twin Boundary Engineering Lead to Enhanced Thermoelectric Performance of Cu₂SnS₃. ACS Applied Energy Materials, 2021, 4, 9240-9247.	2.5	17
81	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.	2.8	16
82	zT = 1.1 in CuInTe2 Solid Solutions Enabled by Rational Defect Engineering. ACS Applied Energy Materials, 2020, 3, 2039-2048.	2.5	16
83	Atomicâ€Scale Visualization and Quantification of Configurational Entropy in Relation to Thermal Conductivity: A Proofâ€ofâ€Principle Study in tâ€GeSb₂Te₄. Advanced Science, 2021, 8, 2002051.	5.6	16
84	Femtosecond laser-induced nanostructure formation in Sb2Te3. Applied Physics Letters, 2011, 99, .	1.5	15
85	Realizing Enhanced Thermoelectric Performance and Hardness in Icosahedral Cu₅FeS_{4â^’}_xSe_x with Highâ€Density Twin Boundaries. Small, 2022, 18, e2104592.	5.2	15
86	Ultralow Lattice Thermal Conductivity of Cubic CuFeS₂ Induced by Atomic Disorder. Chemistry of Materials, 2021, 33, 9795-9802.	3.2	15
87	Magnetic and transport properties inCoSr2Y1â^’xCaxCu2O7(x=0â€“0.4). Physical Review B, 2004, 70, .	1.1	14
88	Dimensional crossover and anomalous magnetoresistivity of superconductingNaxCoO2single crystals. Physical Review B, 2005, 71, .	1.1	14
89	Large-Scale Colloidal Synthesis of Co-doped Cu2SnSe3 Nanocrystals for Thermoelectric Applications. Journal of Electronic Materials, 2016, 45, 1935-1941.	1.0	14
90	Super-rapid Preparation of Nanostructured Nd x Fe3CoSb12 Compounds and Their Improved Thermoelectric Performance. Journal of Electronic Materials, 2016, 45, 1271-1277.	1.0	14

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91	Fabrication of P-type transparent conducting CuxZn1-xS films on glass substrates with high conductivity and optical transparency. Journal of Alloys and Compounds, 2018, 750, 750-756.	2.8	14
92	Band engineering and precipitation enhance thermoelectric performance of SnTe with Zn-doping. Chinese Physics B, 2018, 27, 047202.	0.7	14
93	Oxygen isotope effect on the spin-state transition in(Pr0.7Sm0.3)0.7Ca0.3CoO3. Physical Review B, 2006, 73, .	1.1	13
94	Anomalous magnetoresistance in [Sr2Bi2-xPbxO4] RS[CoO2] y (x = 0, 0.3, and 0.4; y â‰ˆ 1.85) single crystals. European Physical Journal B, 2006, 49, 37-45.	0.6	12
95	Sintering temperature dependence of thermoelectric performance in CuCrSe 2 prepared via mechanical alloying. Scripta Materialia, 2017, 127, 127-131.	2.6	12
96	Achieving higher thermoelectric performance for p-type Cr2Ge2Te6 via optimizing doping. Applied Physics Letters, 2018, 113, .	1.5	12
97	Dimensional characteristics of Ti-6Al-4V thin-walled parts prepared by wire-based multi-laser additive manufacturing in vacuum. Rapid Prototyping Journal, 2019, 25, 849-856.	1.6	12
98	Super deformability and thermoelectricity of bulk Î³-InSe single crystals*. Chinese Physics B, 2021, 30, 078101.	0.7	12
99	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.	2.7	11
100	Highly (100)-orientated SnSe thin films deposited by pulsed-laser deposition. Applied Surface Science, 2021, 535, 147694.	3.1	11
101	Strong lattice anharmonicity exhibited by the high-energy optical phonons in thermoelectric material. New Journal of Physics, 2020, 22, 083083.	1.2	11
102	Simultaneously optimized thermoelectric and mechanical performance of p-type polycrystalline SnSe enabled by CNTs addition. Scripta Materialia, 2022, 218, 114846.	2.6	11
103	Giant isotope effect and spin state transition induced by oxygen isotope exchange in(Pr1â^'xSmx)0.7Ca0.3CoO3. Physical Review B, 2006, 74, .	1.1	10
104	Anisotropic-strain-induced monoclinic distortion and robust charge-ordering in ultrathin Pr_{0.5}Sr_{0.5}MnO₃films. Journal Physics D: Applied Physics, 2009, 42, 062004.	1.3	10
105	Association of TNF-Î± Gene Promoter Polymorphisms With Susceptibility of Cervical Cancer in Southwest China. Laboratory Medicine, 2011, 42, 287-290.	0.8	10
106	Enhanced thermoelectric performance in Cu2GeSe3 via (Ag,Ga)-co-doping on cation sites. Journal of Alloys and Compounds, 2018, 769, 218-225.	2.8	10
107	Synergistic effect of CuInSe₂alloying on enhancing the thermoelectric performance of Cu₂SnSe₃compounds. Journal of Materials Chemistry A, 2020, 8, 21181-21188.	5.2	10
108	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.	5.2	10

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109	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.	4.0	10
110	Optimization of Ag Nanoparticles on Thermoelectric Performance of Ba-Filled Skutterudite. Science of Advanced Materials, 2017, 9, 682-687.	0.1	10
111	Multiple Effects Promoting the Thermoelectric Performance of SnTe by Alloying with CuSbTe₂ and CuBiTe₂. ACS Applied Materials & Interfaces, 2021, 13, 52775-52782.	4.0	10
112	Thermal hysteresis and anisotropy in the magnetoresistance of antiferromagneticNd2â^'xCexCuO4. Physical Review B, 2005, 72, .	1.1	9
113	Oxygen isotope effect on the superconductivity and stripe phase inLa1.6â^'xNd0.4SrxCuO4. Physical Review B, 2007, 75, .	1.1	9
114	Transport properties and magnetic-field-induced localization in the misfit cobaltite [Bi₂Ba_{1.3}K_{0.6}Co_{0.1}O₄]^{RS}[CoO₂]_{1.9} crystal. Journal of Physics Condensed Matter, 2008, 20, 215221.	0.7	9
115	Raising the Thermoelectric Performance of Fe₃CoSb₁₂ Skutterudites via Nd Filling and In-Situ Nanostructuring. Journal of Nanoscience and Nanotechnology, 2016, 16, 3841-3847.	0.9	9
116	Crystal structure of high-performance thermoelectric materials by high resolution neutron powder diffraction. Physica B: Condensed Matter, 2018, 551, 64-68.	1.3	9
117	Natural sulvanite Cu3MX4 (Mâ€¯=â€¯Nb, Ta; Xâ€¯=â€¯S, Se): Promising visible-light photocatalysts for water splitting. Computational Materials Science, 2019, 165, 137-143.	1.4	9
118	Exceptional Thermoelectric Performance Enabled by High Carrier Mobility and Intrinsically Low Lattice Thermal Conductivity in Phosphide Cd₃P₂. Chemistry of Materials, 2022, 34, 1620-1626.	3.2	9
119	Two impurity energy level regulation leads to enhanced thermoelectric performance of Ag_{1â^'x}Cd_xIn₅Se₈. RSC Advances, 2017, 7, 12719-12725.	1.7	8
120	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.	2.7	8
121	Thermoelectricity of n-type MnBi4S7-7xSe7x solid solution. Chemical Engineering Journal, 2020, 396, 125219.	6.6	8
122	Phase Tuning for Enhancing the Thermoelectric Performance of Solution-Synthesized Cu2â€“xS. ACS Applied Materials & Interfaces, 2021, 13, 39541-39549.	4.0	8
123	Colloidal synthesis of diamond-like compound Cu2SnTe3 and thermoelectric properties of (Cu0.96InTe2)1â^'(Cu2SnTe3) solid solutions. Chemical Engineering Journal, 2021, 422, 129985.	6.6	8
124	Band convergence and thermoelectric performance enhancement of InSb via Bi doping. Intermetallics, 2021, 139, 107347.	1.8	8
125	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.	2.7	8
126	Thermoelectric performance of binary lithium-based compounds: Li3Sb and Li3Bi. Applied Physics Letters, 2021, 119, .	1.5	7

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127	Phase Modulation Enabled High Thermoelectric Performance in Polycrystalline GeSe_{0.75}Te_{0.25}. Advanced Functional Materials, 2022, 32, .	7.8	7
128	Solvothermal synthesis of wire-like SnxSb2Te3+x with an enhanced thermoelectric performance. Dalton Transactions, 2016, 45, 7483-7491.	1.6	6
129	Super-fast preparation of Nd-filled p-type skutterudite compounds with enhanced thermoelectric properties. Ceramics International, 2017, 43, 7443-7447.	2.3	6
130	High-Temperature Thermoelectric Properties of Ge-Substituted p-Type Nd-Filled Skutterudites. Journal of Electronic Materials, 2017, 46, 2958-2963.	1.0	6
131	Complex alloying effect on thermoelectric transport properties of Cu ₂ Ge(Se <sub> 1â^') Tj ETQq1 1 0.784314 rgBT /Over	0.7	6
132	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.	2.8	6
133	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.	5.2	6
134	Magnetic-field-induced spin-flop transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Na</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi mathvariant="normal">Co</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"		

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145	Effect of Ce doping and oxygen content on pseudogap and anisotropy in Nd2â^'xCexCuO4â^'Î´. Superconductor Science and Technology, 2005, 18, 763-769.	1.8	3
146	Phase separation induced by oxygen deficiency in La0.67Ca0.33MnO3 thin films. Solid State Communications, 2007, 144, 454-459.	0.9	3
147	The origin of superconductivity in nominally â€˜undopedâ€™ Tâ€²-La_{2â^'x}Y_xCuO₄ films. Superconductor Science and Technology, 2008, 21, 065005.	1.8	3
148	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.	1.0	3
149	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.	1.0	3
150	Novel Dynamical Effects and Glassy Response in a Strongly Correlated Electronic System. Physical Review Letters, 2008, 100, 146402.	2.9	2
151	Investigation of the thermoelectric properties of the PbTe-SrTe system. Materials Research Society Symposia Proceedings, 2010, 1267, 1.	0.1	2
152	Thermoelectric Properties of Ce/Pb Co-doped Polycrystalline In4â^'x Ce x Pb0.01Se3 Compounds. Journal of Electronic Materials, 2017, 46, 3215-3220.	1.0	2
153	Microstructure and wear properties of spark plasma sintered 316L-30W composites. Materials Science and Technology, 2018, 34, 513-518.	0.8	2
154	Decreased order-disorder transition temperature and enhanced phonon scattering in Ag-alloyed Cu3SbSe3. Journal of Alloys and Compounds, 2022, 919, 165829.	2.8	2
155	High thermoelectric efficiency in co-doped degenerate p-type PbTe. Materials Research Society Symposia Proceedings, 2010, 1267, 1.	0.1	1
156	Experimental study of 99mTc-depreotide eparation and its affinity with A549 cell. Frontiers in Bioscience - Landmark, 2011, 16, 2527.	3.0	1
157	Structure and Transport Properties of Bi₂Te₃Films. , 0, , 73-98.		1
158	Thermoelectric CoGeTe with an Orthorhombic Crystal Symmetry and Balance of the Electrical and Thermal Properties. Inorganic Chemistry, 2021, 60, 12331-12338.	1.9	1
159	Liquid bridge simulation of metal-wire laser additive manufacturing in microgravity environment. , 2019, , .		1
160	Strong anharmonicity induced low lattice thermal conductivity and high thermoelectric performance in (CuInTe₂)_{1â^'}_x(AgSbTe₂)_x system. Applied Physics Letters, 2022, 121, 013903.	1.5	1
161	Ultrafast-laser Modification of Thermoelectric Sb2Te3 Thin Films. Materials Research Society Symposia Proceedings, 2012, 1456, 1.	0.1	0
162	Se Vacancy Effect on the Thermoelectric Performance of Pb-Doped In4Pb0.01Se3â^'x Polycrystalline. Journal of Electronic Materials, 2017, 46, 3131-3136.	1.0	0

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