Guoyu Y Wang

List of Publications by Year in Descending Order

156 papers	3,835 citations	30 h-index	57 g-index
166 ext. papers	4,483 ext. citations	7.1 avg, IF	5.35 L-index

#	Paper	IF	Citations
156	Achieving high average power factor in tetrahedrite Cu12Sb4S13 via regulating electron-phonon coupling strength. *Materials Today Physics*, **2022**, 22, 100590	8	2
155	Unconventional Doping Effect Leads to Ultrahigh Average Thermoelectric Power Factor in Cu SbSe -based Composites.. *Advanced Materials*, **2022**, e2109952	24	6
154	Constructing n-type Ag2Se/CNTs composites toward synergistically enhanced thermoelectric and mechanical performance. *Acta Materialia*, **2022**, 223, 117502	8.4	4
153	Anomalous Thermoelectric Performance in Asymmetric Dirac Semimetal BaAgBi.. *Journal of Physical Chemistry Letters*, **2022**, 2291-2298	6.4	3
152	Attaining enhanced thermoelectric performance in p-type (SnSe)1[](SnS2) produced via sintering their solution-synthesized micro/nanostructures. *Journal of Materials Science and Technology*, **2022**, 120, 205-213	9.1	0
151	Revealing the intrinsic p-to-n transition mechanism on Mg3Sb2 through extra Mg. *Applied Physics Letters*, **2022**, 120, 173902	3.4	0
150	Simultaneously optimized thermoelectric and mechanical performance of p-type polycrystalline SnSe enabled by CNTs addition. *Scripta Materialia*, **2022**, 218, 114846	5.6	1
149	Realizing Enhanced Thermoelectric Performance and Hardness in Icosahedral Cu FeS Se with High-Density Twin Boundaries. *Small*, **2021**, e2104592	11	6
148	Lattice Thermal Transport in the Homogeneous Cage-Like Compounds Cu VSe and Cu NbSe : Interplay between Phonon-Phase Space, Anharmonicity, and Atomic Mass. *ChemPhysChem*, **2021**, 22, 2579	3.2	0
147	Multiple Effects Promoting the Thermoelectric Performance of SnTe by Alloying with CuSbTe and CuBiTe. *ACS Applied Materials & Interfaces*, **2021**,	9.5	1
146	Realizing Cd and Ag codoping in p-type Mg3Sb2 toward high thermoelectric performance. *Journal of Magnesium and Alloys*, **2021**,	8.8	7
145	Exceptional Performance Driven by Planar Honeycomb Structure in a New High Temperature Thermoelectric Material BaAgAs. *Advanced Functional Materials*, **2021**, 31, 2100583	15.6	8
144	Identification of vibrational mode symmetry and phonon anharmonicity in SbCrSe3 single crystal using Raman spectroscopy. *Science China Materials*, **2021**, 64, 2824-2834	7.1	1
143	Melt-spun Sn1[]Sb Mn Te with unique multiscale microstructures approaching exceptional average thermoelectric zT. *Nano Energy*, **2021**, 84, 105879	17.1	21
142	Solution-Synthesized SnSeS: Dual-Functional Materials with Enhanced Electrochemical Storage and Thermoelectric Performance. *ACS Applied Materials & Interfaces*, **2021**, 13, 37201-37211	9.5	1
141	Thermoelectric CoGeTe with an Orthorhombic Crystal Symmetry and Balance of the Electrical and Thermal Properties. *Inorganic Chemistry*, **2021**, 60, 12331-12338	5.1	
140	Highly (1 0 0)-orientated SnSe thin films deposited by pulsed-laser deposition. *Applied Surface Science*, **2021**, 535, 147694	6.7	7

139	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	9.1	18
138	Entropy Engineered Cubic n-Type AgBiSe2 Alloy with High Thermoelectric Performance in Fully Extended Operating Temperature Range. *Advanced Energy Materials*, **2021**, 11, 2003304	21.8	13
137	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	13	3
136	The role of electronegativity in the thermoelectric performance of GeTe□V□I2 solid solutions. *Journal of Materials Chemistry A*, **2021**, 9, 2385-2393	13	10
135	Atomic-Scale Visualization and Quantification of Configurational Entropy in Relation to Thermal Conductivity: A Proof-of-Principle Study in -GeSbTe. *Advanced Science*, **2021**, 8, 2002051	13.6	5
134	Thermoelectric performance of binary lithium-based compounds: Li3Sb and Li3Bi. *Applied Physics Letters*, **2021**, 119, 033901	3.4	4
133	The role of electronic affinity for dopants in thermoelectric transport properties of InTe. *Journal of Alloys and Compounds*, **2021**, 869, 159224	5.7	2
132	Phase Tuning for Enhancing the Thermoelectric Performance of Solution-Synthesized CuS. *ACS Applied Materials & Interfaces*, **2021**, 13, 39541-39549	9.5	0
131	Phase Composition Manipulation and Twin Boundary Engineering Lead to Enhanced Thermoelectric Performance of Cu2SnS3. *ACS Applied Energy Materials*, **2021**, 4, 9240-9247	6.1	4
130	Colloidal synthesis of diamond-like compound Cu2SnTe3 and thermoelectric properties of (Cu0.96InTe2)1−(Cu2SnTe3) solid solutions. *Chemical Engineering Journal*, **2021**, 422, 129985	14.7	3
129	High thermoelectric performance of tellurium-free n-type AgBi1-xSbxSe2 with stable cubic structure enabled by entropy engineering. *Acta Materialia*, **2021**, 220, 117291	8.4	2
128	Band convergence and thermoelectric performance enhancement of InSb via Bi doping. *Intermetallics*, **2021**, 139, 107347	3.5	2
127	Ultralow Lattice Thermal Conductivity of Cubic CuFeS2 Induced by Atomic Disorder. *Chemistry of Materials*, **2021**, 33, 9795-9802	9.6	3
126	Manipulating the phase transformation temperature to achieve cubic Cu5FeS4−Sex and enhanced thermoelectric performance. *Journal of Materials Chemistry C*, **2020**, 8, 17222-17228	7.1	4
125	Strong lattice anharmonicity securing intrinsically low lattice thermal conductivity and high performance thermoelectric SnSb2Te4 via Se alloying. *Nano Energy*, **2020**, 76, 105084	17.1	20
124	Facile microwave-assisted hydrothermal synthesis of SnSe: impurity removal and enhanced thermoelectric properties. *Journal of Materials Chemistry C*, **2020**, 8, 10333-10341	7.1	11
123	High Thermoelectric Performance in Sulfide-Type Argyrodites Compound Ag8Sn(S1−Sex)6 Enabled by Ultralow Lattice Thermal Conductivity and Extended Cubic Phase Regime. *Advanced Functional Materials*, **2020**, 30, 2000526	15.6	17
122	General surfactant-free synthesis of binary silver chalcogenides with tuneable thermoelectric properties. *Chemical Engineering Journal*, **2020**, 393, 124763	14.7	22

121	Temperature dependence of Raman scattering in single crystal SnSe. *Vibrational Spectroscopy*, **2020**, 107, 103034	2.1	13
120	Realizing both n- and p-types of high thermoelectric performance in Fe1−NixTiSb half-Heusler compounds. *Journal of Materials Chemistry C*, **2020**, 8, 3156-3164	7.1	6
119	High Thermoelectric Performance of Co-Doped P-Type Polycrystalline SnSe via Optimizing Electrical Transport Properties. *ACS Applied Materials & Interfaces*, **2020**, 12, 8446-8455	9.5	16
118	Enhancing the Thermoelectric Performance of p-Type MgSb via Codoping of Li and Cd. *ACS Applied Materials & Interfaces*, **2020**, 12, 8359-8365	9.5	25
117	Synergistically promoted thermoelectric performance of SnTe by alloying with NaBiTe2. *Applied Physics Letters*, **2020**, 116, 173902	3.4	9
116	Thermoelectricity of n-type MnBi4S7-7xSe7x solid solution. *Chemical Engineering Journal*, **2020**, 396, 125219	14.7	7
115	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	7.1	5
114	Strong lattice anharmonicity exhibited by the high-energy optical phonons in thermoelectric material. *New Journal of Physics*, **2020**, 22, 083083	2.9	2
113	Facile in situ solution synthesis of SnSe/rGO nanocomposites with enhanced thermoelectric performance. *Journal of Materials Chemistry A*, **2020**, 8, 1394-1402	13	70
112	Enhanced thermoelectric properties of p-type argyrodites Cu8GeS6 through Cu vacancy. *Journal of Alloys and Compounds*, **2020**, 822, 153665	5.7	9
111	Synergistic effect of CuInSe2 alloying on enhancing the thermoelectric performance of Cu2SnSe3 compounds. *Journal of Materials Chemistry A*, **2020**, 8, 21181-21188	13	1
110	Structure-Dependent Thermoelectric Properties of GeSeTe (0 0.5). *ACS Applied Materials & Interfaces*, **2020**, 12, 41381-41389	9.5	12
109	Achieving Enhanced Thermoelectric Performance in (SnTe)(SbTe) and (SnTe)(SbSe) Synthesized via Solvothermal Reaction and Sintering. *ACS Applied Materials & Interfaces*, **2020**, 12, 44805-44814	9.5	11
108	zT = 1.1 in CuInTe2 Solid Solutions Enabled by Rational Defect Engineering. *ACS Applied Energy Materials*, **2020**, 3, 2039-2048	6.1	7
107	Synergistic Effect of Bismuth and Indium Codoping for High Thermoelectric Performance of Melt Spinning SnTe Alloys. *ACS Applied Materials & Interfaces*, **2019**, 11, 23337-23345	9.5	18
106	Enhanced thermoelectric properties of YbZn2Sb2−Bix through a synergistic effect via Bi-doping. *Chemical Engineering Journal*, **2019**, 374, 589-595	14.7	17
105	Natural sulvanite Cu3MX4 (M = Nb, Ta; X = S, Se): Promising visible-light photocatalysts for water splitting. *Computational Materials Science*, **2019**, 165, 137-143	3.2	4
104	Promoted high temperature carrier mobility and thermoelectric performance of InTe enabled by altering scattering mechanism. *Journal of Materials Chemistry A*, **2019**, 7, 11690-11698	13	16

103	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	5.7	3
102	Liquid bridge simulation of metal-wire laser additive manufacturing in microgravity environment **2019**,		1
101	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	3.8	6
100	Synergistically optimized thermoelectric properties of Ag1+xIn5Se8 alloys. *Inorganic Chemistry Frontiers*, **2019**, 6, 3545-3553	6.8	2
99	High-Temperature Structural and Thermoelectric Study of Argyrodite AgGeSe. *ACS Applied Materials & Interfaces*, **2019**, 11, 2168-2176	9.5	28
98	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	5.7	10
97	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	5.7	8
96	Sodium-Doped Tin Sulfide Single Crystal: A Nontoxic Earth-Abundant Material with High Thermoelectric Performance. *Advanced Energy Materials*, **2018**, 8, 1800087	21.8	54
95	Twin Engineering in Solution-Synthesized Nonstoichiometric Cu5FeS4 Icosahedral Nanoparticles for Enhanced Thermoelectric Performance. *Advanced Functional Materials*, **2018**, 28, 1705117	15.6	37
94	High thermoelectric performance balanced by electrical and thermal transport in tetrahedrites Cu12+xSb4S12Se. *Energy Storage Materials*, **2018**, 13, 127-133	19.4	26
93	Microstructure and wear properties of spark plasma sintered 316L-30W composites. *Materials Science and Technology*, **2018**, 34, 513-518	1.5	1
92	Band engineering and precipitation enhance thermoelectric performance of SnTe with Zn-doping. *Chinese Physics B*, **2018**, 27, 047202	1.2	6
91	Enhanced thermoelectric performance in Cu2GeSe3 via (Ag,Ga)-co-doping on cation sites. *Journal of Alloys and Compounds*, **2018**, 769, 218-225	5.7	6
90	High thermoelectric performance of CuSbSe nanocrystals with CuSe in situ inclusions synthesized by a microwave-assisted solvothermal method. *Nanoscale*, **2018**, 10, 14546-14553	7.7	19
89	Ga-Doping-Induced Carrier Tuning and Multiphase Engineering in n-type PbTe with Enhanced Thermoelectric Performance. *ACS Applied Materials & Interfaces*, **2018**, 10, 22401-22407	9.5	32
88	Ultra-high average figure of merit in synergistic band engineered SnxNa1Se0.9S0.1 single crystals. *Materials Today*, **2018**, 21, 501-507	21.8	55
87	Crystal structure of high-performance thermoelectric materials by high resolution neutron powder diffraction. *Physica B: Condensed Matter*, **2018**, 551, 64-68	2.8	3
86	Realizing high thermoelectric performance in Te nanocomposite through Sb2Te3 incorporation. *CrystEngComm*, **2018**, 20, 7729-7738	3.3	15

85	High thermoelectric performance in complex phosphides enabled by stereochemically active lone pair electrons. *Journal of Materials Chemistry A*, **2018**, 6, 24877-24884	13	19
84	Achieving higher thermoelectric performance for p-type Cr2Ge2Te6 via optimizing doping. *Applied Physics Letters*, **2018**, 113, 263902	3.4	7
83	Contributed Review: Instruments for measuring Seebeck coefficient of thin film thermoelectric materials: A mini-review. *Review of Scientific Instruments*, **2018**, 89, 101501	1.7	14
82	Se substitution and micro-nano-scale porosity enhancing thermoelectric Cu 2 Te. *Chinese Physics B*, **2018**, 27, 047204	1.2	2
81	Rapid fabrication of SnO2 nanoparticle photocatalyst: computational understanding and photocatalytic degradation of organic dye. *Inorganic Chemistry Frontiers*, **2018**, 5, 3005-3014	6.8	54
80	Complex alloying effect on thermoelectric transport properties of Cu 2 Ge(Se 1□x Te x) 3. *Chinese Physics B*, **2018**, 27, 067201	1.2	2
79	Improving thermoelectric performance of p-type Ag-doped Mg2Si0.4Sn0.6 prepared by unique melt spinning method. *Applied Thermal Engineering*, **2017**, 111, 1396-1400	5.8	19
78	Two impurity energy level regulation leads to enhanced thermoelectric performance of Ag1□CdxIn5Se8. *RSC Advances*, **2017**, 7, 12719-12725	3.7	7
77	Synergistic Strategy to Enhance the Thermoelectric Properties of CoSbSSe Compounds via Solid Solution. *ACS Applied Materials & Interfaces*, **2017**, 9, 10595-10601	9.5	32
76	Intriguing substitution of conducting layer triggered enhancement of thermoelectric performance in misfit-layered (SnS)1.2(TiS2)2. *Applied Physics Letters*, **2017**, 110, 043507	3.4	12
75	Super-fast preparation of Nd-filled p-type skutterudite compounds with enhanced thermoelectric properties. *Ceramics International*, **2017**, 43, 7443-7447	5.1	4
74	Se Vacancy Effect on the Thermoelectric Performance of Pb-Doped In4Pb0.01Se3□ Polycrystalline. *Journal of Electronic Materials*, **2017**, 46, 3131-3136	1.9	
73	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	10.3	26
72	Grain size optimization for high-performance polycrystalline SnSe thermoelectrics. *Journal of Materials Chemistry A*, **2017**, 5, 14053-14060	13	45
71	Enhanced thermoelectric performance in copper-deficient Cu2GeSe3. *Journal of Alloys and Compounds*, **2017**, 723, 708-713	5.7	12
70	Large-scale colloidal synthesis of Cu5FeS4 compounds and their application in thermoelectrics. *Journal of Materials Chemistry C*, **2017**, 5, 301-308	7.1	24
69	Investigation on 316L/316L-50W/W plate functionally graded materials fabricated by spark plasma sintering. *Fusion Engineering and Design*, **2017**, 125, 171-177	1.7	18
68	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	2.3	13

67	Dopant Induced Impurity Bands and Carrier Concentration Control for Thermoelectric Enhancement in p-Type Cr2Ge2Te6. *Chemistry of Materials*, **2017**, 29, 7401-7407	9.6	41
66	High-Temperature Thermoelectric Properties of Ge-Substituted p-Type Nd-Filled Skutterudites. *Journal of Electronic Materials*, **2017**, 46, 2958-2963	1.9	5
65	Sintering temperature dependence of thermoelectric performance in CuCrSe 2 prepared via mechanical alloying. *Scripta Materialia*, **2017**, 127, 127-131	5.6	7
64	Thermoelectric Properties of Ce/Pb Co-doped Polycrystalline In4 Ce x Pb0.01Se3 Compounds. *Journal of Electronic Materials*, **2017**, 46, 3215-3220	1.9	2
63	Optimization of Ag Nanoparticles on Thermoelectric Performance of Ba-Filled Skutterudite. *Science of Advanced Materials*, **2017**, 9, 682-687	2.3	9
62	Raising the Thermoelectric Performance of Fe3CoSb12 Skutterudites via Nd Filling and In-Situ Nanostructuring. *Journal of Nanoscience and Nanotechnology*, **2016**, 16, 3841-7	1.3	7
61	Effect of Sn Doping in (Bi0.25Sb0.75)2 Sn x Te3 (0 x 0.1) on Thermoelectric Performance. *Journal of Electronic Materials*, **2016**, 45, 1441-1446	1.9	1
60	Ultra rapid fabrication of p-type Li-doped Mg2Si0.4Sn0.6 synthesized by unique melt spinning method. *Scripta Materialia*, **2016**, 115, 52-56	5.6	37
59	Broad temperature plateau for high ZTs in heavily doped p-type SnSe single crystals. *Energy and Environmental Science*, **2016**, 9, 454-460	35.4	331
58	Investigation on 316L/W functionally graded materials fabricated by mechanical alloying and spark plasma sintering. *Journal of Nuclear Materials*, **2016**, 469, 32-38	3.3	31
57	Solvothermal synthesis of wire-like SnxSb2Te3+x with an enhanced thermoelectric performance. *Dalton Transactions*, **2016**, 45, 7483-91	4.3	6
56	Large-Scale Colloidal Synthesis of Co-doped Cu2SnSe3 Nanocrystals for Thermoelectric Applications. *Journal of Electronic Materials*, **2016**, 45, 1935-1941	1.9	13
55	Cr2Ge2Te6: High Thermoelectric Performance from Layered Structure with High Symmetry. *Chemistry of Materials*, **2016**, 28, 1611-1615	9.6	64
54	Melt spinning synthesis of p-type skutterudites: Drastically speed up the process of high performance thermoelectrics. *Scripta Materialia*, **2016**, 116, 26-30	5.6	23
53	Super-rapid Preparation of Nanostructured Nd x Fe3CoSb12 Compounds and Their Improved Thermoelectric Performance. *Journal of Electronic Materials*, **2016**, 45, 1271-1277	1.9	13
52	Structure and Transport Properties of Bi2Te3 Films **2015**, 73-98		1
51	Colloidal synthesis of Cu2 AgxCdSnSe4 nanocrystals: microstructures facilitate high performance thermoelectricity. *Journal of Materials Chemistry C*, **2015**, 3, 12273-12280	7.1	19
50	Rapid Fabrication of CuInSbxTe2 (0 x 0.10) Compounds and Their Thermoelectric Performance. *Science of Advanced Materials*, **2015**, 7, 2672-2678	2.3	4

49	Hierarchically structured TiO2 for Ba-filled skutterudite with enhanced thermoelectric performance. *Journal of Materials Chemistry A*, **2014**, 2, 20629-20635	13	45
48	Tuning the temperature domain of phonon drag in thin films by the choice of substrate. *Physical Review Letters*, **2013**, 111, 046803	7.4	16
47	Low-temperature transport properties of Tl-doped Bi2Te3 single crystals. *Physical Review B*, **2013**, 88,	3.3	38
46	Ultrafast-laser Modification of Thermoelectric Sb2Te3 Thin Films. *Materials Research Society Symposia Proceedings*, **2012**, 1456, 1		
45	Enhanced thermoelectric properties of Ba-filled skutterudites by grain size reduction and Ag nanoparticle inclusion. *Journal of Materials Chemistry*, **2012**, 22, 2958-2964		76
44	Thermoelectric Performance of Sb- and La-Doped Mg2Si0.5Ge0.5. *Journal of Electronic Materials*, **2012**, 41, 1589-1594	1.9	16
43	Microstructure and thermoelectric properties of CoSb2.75Ge0.25Tex prepared by rapid solidification. *Acta Materialia*, **2012**, 60, 3536-3544	8.4	55
42	Femtosecond laser-induced nanostructure formation in Sb2Te3. *Applied Physics Letters*, **2011**, 99, 121903	3.4	12
41	Structure and Transport Properties of Double-Doped CoSb2.75Ge0.25Tex (x = 0.125–0.20) with in Situ Nanostructure. *Chemistry of Materials*, **2011**, 23, 2948-2955	9.6	102
40	Thermoelectric properties of P-type Yb-filled skutterudite YbxFeyCo4-ySb12. *Intermetallics*, **2011**, 19, 1390-1393	3.5	44
39	High thermoelectric figure of merit in nanostructured p-type PbTeMTe (M = Ca, Ba). *Energy and Environmental Science*, **2011**, 4, 4675	35.4	153
38	Experimental study of 99mTc-depreotide preparation and its affinity with A549 cell. *Frontiers in Bioscience - Landmark*, **2011**, 16, 2527-39	2.8	1
37	Thermoelectric properties of Co0.9Fe0.1Sb3-based skutterudite nanocomposites with FeSb2 nanoinclusions. *Journal of Applied Physics*, **2011**, 109, 063722	2.5	20
36	Strained endotaxial nanostructures with high thermoelectric figure of merit. *Nature Chemistry*, **2011**, 3, 160-6	17.6	794
35	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	3.3	59
34	Thermoelectric Properties of Triple-Filled Ba x Yb y In z Co4Sb12 Skutterudites. *Journal of Electronic Materials*, **2011**, 40, 570-576	1.9	41
33	Association of TNF-Gene Promoter Polymorphisms With Susceptibility of Cervical Cancer in Southwest China. *Laboratory Medicine*, **2011**, 42, 287-290	1.6	7
32	Recent Advances in the Growth of BiSbTeSe Thin Films. *Science of Advanced Materials*, **2011**, 3, 539-560	2.3	36

31	Investigation of the thermoelectric properties of the PbTe-SrTe system. *Materials Research Society Symposia Proceedings*, **2010**, 1267, 1		2
30	High thermoelectric efficiency in co-doped degenerate p-type PbTe. *Materials Research Society Symposia Proceedings*, **2010**, 1267, 1		1
29	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,	3.3	122
28	Coherent optical phonon spectroscopy studies of femtosecond-laser modified Sb2Te3 films. *Applied Physics Letters*, **2010**, 97, 171908	3.4	25
27	Anisotropic hybrid particles based on electrohydrodynamic co-jetting of nanoparticle suspensions. *Physical Chemistry Chemical Physics*, **2010**, 12, 11894-9	3.6	42
26	In situ nanostructure generation and evolution within a bulk thermoelectric material to reduce lattice thermal conductivity. *Nano Letters*, **2010**, 10, 2825-31	11.5	95
25	Anisotropic-strain-induced monoclinic distortion and robust charge-ordering in ultrathin Pr0.5Sr0.5MnO3films. *Journal Physics D: Applied Physics*, **2009**, 42, 062004	3	9
24	Transport properties and magnetic-field-induced localization in the misfit cobaltite [Bi2Ba1.3K0.6Co0.1O4]RS[CoO2]1.97single crystal. *Journal of Physics Condensed Matter*, **2008**, 20, 215221	1.8	7
23	Novel dynamical effects and glassy response in a strongly correlated electronic system. *Physical Review Letters*, **2008**, 100, 146402	7.4	2
22	The origin of superconductivity in nominally □ndoped□T?-La2□YxCuO4 films. *Superconductor Science and Technology*, **2008**, 21, 065005	3.1	3
21	Phase separation induced by oxygen deficiency in La0.67Ca0.33MnO3 thin films. *Solid State Communications*, **2007**, 144, 454-459	1.6	2
20	Transport properties of single-crystalline CuxTiSe2 (0.015?x?0.110). *Physical Review B*, **2007**, 76,	3.3	38
19	Oxygen isotope effect on the superconductivity and stripe phase in La1.6□Nd0.4SrxCuO4. *Physical Review B*, **2007**, 75,	3.3	8
18	Magnetic-field-induced spin-flop transition in NaxCoO2 (0.5. *Physical Review B*, **2007**, 76,	3.3	5
17	In-plane ferromagnetism in charge-ordering Na0.55CoO2. *Physical Review Letters*, **2006**, 96, 216401	7.4	17
16	Oxygen isotope effect on the spin-state transition in (Pr0.7Sm0.3)0.7Ca0.3CoO3. *Physical Review B*, **2006**, 73,	3.3	12
15	Giant isotope effect and spin state transition induced by oxygen isotope exchange in (Pr1□Smx)0.7Ca0.3CoO3. *Physical Review B*, **2006**, 74,	3.3	9
14	Magnetic and Transport Properties in Gd1-xSrxCoO3-□(x = 0.10□0.70). *Chemistry of Materials*, **2006**, 18, 1029-1035	9.6	21

13	The evolution of magnetotransport properties with carrier concentration in Ca 3 Co 4 O 9 + δ single crystals. *Europhysics Letters*, **2006**, 74, 526-532	1.6	18
12	Effect of iron-doping on spin-state transition and ferromagnetism in cobalt oxides. *Journal of Solid State Chemistry*, **2006**, 179, 2174-2181	3.3	4
11	Anomalous magnetoresistance in [Sr2Bi2-xPbxO4] RS[CoO2] y (x = 0, 0.3, and 0.4; y ≈ 1.85) single crystals. *European Physical Journal B*, **2006**, 49, 37-45	1.2	12
10	Synthesis and characterization of one-dimensional K0.27MnO2·0.5H2O. *Journal of Crystal Growth*, **2005**, 280, 292-299	1.6	17
9	Influence of doping level on the Hall coefficient and on the thermoelectric power in Nd2−xCexCuO4+δ *Physical Review B*, **2005**, 72,	3.3	20
8	Thermal hysteresis and anisotropy in the magnetoresistance of antiferromagnetic Nd2−xCexCuO4. *Physical Review B*, **2005**, 72,	3.3	9
7	Magnetotransport properties in La1−xCaxMnO3 (x=0.33, 0.5) thin films deposited on different substrates. *Journal of Applied Physics*, **2005**, 97, 083909	2.5	38
6	Dimensional crossover and anomalous magnetoresistivity of superconducting NaxCoO2 single crystals. *Physical Review B*, **2005**, 71,	3.3	14
5	Effect of Ce doping and oxygen content on pseudogap and anisotropy in Nd2−xCexCuO4± *Superconductor Science and Technology*, **2005**, 18, 763-769	3.1	3
4	Raman spectra in epitaxial thin films of La1−xCaxMnO3 (x=0.33, 0.5) grown on different substrates. *Physical Review B*, **2004**, 70,	3.3	46
3	Magnetic and transport properties in CoSr2Y1−xCaxCu2O7 (x=0–0.4). *Physical Review B*, **2004**, 70,	3.3	11
2	Super Deformability and Thermoelectricity of Bulk ∈nSe Single Crystals. *Chinese Physics B*,	1.2	2
1	Phase Modulation Enabled High Thermoelectric Performance in Polycrystalline GeSe 0.75 Te 0.25. *Advanced Functional Materials*,2111238	15.6	3