

# Guiying Xu

## List of Publications by Year in descending order

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29  
papers

388  
citations

840776

11  
h-index

794594

19  
g-index

30  
all docs

30  
docs citations

30  
times ranked

466  
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in inorganic material thermoelectrics. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2380-2398.	6.0	63
2	Thermodynamic evaluation and properties of refractory materials for steel ladle purging plugs in the system Al <sub>2</sub> O <sub>3</sub> -MgO-CaO. <i>Ceramics International</i> , 2016, 42, 11930-11940.	4.8	42
3	Thermoelectric performance of polycrystalline Sn <sub>1-x</sub> Cu <sub>x</sub> Se (x = 0.03) prepared by high pressure method. <i>Intermetallics</i> , 2017, 89, 40-45.	3.9	37
4	The effect of Sm doping on the transport and thermoelectric properties of SnSe. <i>Materials Research Bulletin</i> , 2017, 93, 366-372.	5.2	34
5	Fracture behaviour and microstructure of refractory materials for steel ladle purging plugs in the system Al <sub>2</sub> O <sub>3</sub> -MgO-CaO. <i>Ceramics International</i> , 2017, 43, 9679-9685.	4.8	33
6	Phase transformations and electrochemical characterizations of electrodeposited amorphous Fe-W coatings. <i>Surface and Coatings Technology</i> , 2016, 286, 36-41.	4.8	27
7	Enhancing thermoelectric performance of Sn <sub>1-x</sub> Sb <sub>2x/3</sub> Te via synergistic charge balanced compensation doping. <i>Chemical Engineering Journal</i> , 2021, 404, 126925.	12.7	16
8	Effects of Various Reductants and Surfactants on the Nanostructure of Bi <sub>2</sub> Te <sub>3</sub> Synthesized by a Hydrothermal Process. <i>Journal of Electronic Materials</i> , 2011, 40, 835-839.	2.2	13
9	Mechanism and application method to analyze the carrier scattering factor by electrical conductivity ratio based on thermoelectric property measurement. <i>Journal of Applied Physics</i> , 2018, 123, .	2.5	13
10	Realizing widespread resonance effects to enhance thermoelectric performance of SnTe. <i>Journal of Alloys and Compounds</i> , 2021, 852, 156989.	5.5	12
11	Bonding tungsten, W-Cu-alloy and copper with amorphous Fe-W alloy transition. <i>Fusion Engineering and Design</i> , 2013, 88, 248-252.	1.9	11
12	Enhanced thermoelectric performance in n-type Bi <sub>2</sub> Te <sub>2.95</sub> Se <sub>0.05</sub> bulks fabricated by high pressure sintering technique. <i>Materials Research Bulletin</i> , 2014, 60, 808-813.	5.2	10
13	Synergistic regulation of electrical-thermal effect leading to an optimized thermoelectric performance in Co doping n-type Bi <sub>2</sub> (Te <sub>0.97</sub> Se <sub>0.03</sub> ) <sub>3</sub> . <i>Intermetallics</i> , 2020, 118, 106683.	3.9	10
14	Enabling High Quality Factor and Enhanced Thermoelectric Performance in BiBr <sub>3</sub> -Doped Sn <sub>0.93</sub> Mn <sub>0.1</sub> Te via Band Convergence and Band Sharpening. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 32236-32243.	8.0	9
15	Thermoelectric performance of n-type (PbTe) <sub>1-x</sub> (CoTe) <sub>x</sub> composite prepared by high pressure sintering method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5327-5336.	2.2	8
16	Thermoelectric transport properties of Sn <sub>1-x</sub> Ge <sub>x</sub> Se (x = 0.03) prepared by melting synthesis method. <i>International Journal of Applied Ceramic Technology</i> , 2017, 14, 963-968.	2.1	7
17	Improving thermoelectric performance of (Bi <sub>0.2</sub> Sb <sub>0.8</sub> ) <sub>2</sub> (Te <sub>0.97</sub> Se <sub>0.03</sub> ) <sub>3</sub> via Sm-doping. <i>Journal of Alloys and Compounds</i> , 2019, 787, 909-917.	5.5	7
18	Low Expression of Smurf1 Enhances the Chemosensitivity of Human Colorectal Cancer to Gemcitabine and Cisplatin in Patient-Derived Xenograft Models. <i>Translational Oncology</i> , 2020, 13, 100804.	3.7	6

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19	Transcriptomic analysis reveals that IL-1R8/Sigirr is a novel macrophage migration regulator and suppresses macrophage proliferation through p38 MAPK signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2020, 124, 109846.	5.6	6
20	Anion exchanged Cl doping achieving band sharpening and low lattice thermal conductivity for improving thermoelectric performance in SnTe. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 4666-4675.	6.0	5
21	Thermoelectric Properties of Nanocrystalline $\text{Bi}_2(\text{Te}_{1-x}\text{Se}_x)_3$ Prepared by High-Pressure Sintering. <i>Journal of Electronic Materials</i> , 2015, 44, 1592-1598.	2.2	4
22	Thermoelectric performance of p-type $\text{Nd}_{1-x}\text{In}_x\text{Te}_3$ fabricated by high pressure sintering method. <i>Journal of Alloys and Compounds</i> , 2017, 696, 648-654.	5.5	4
23	Thermoelectric performance of $(\text{GeTe})_{1-x}(\text{Sb}_2\text{Te}_3)_x$ fabricated by high pressure sintering method. <i>Materials Research Express</i> , 2019, 6, 1250h5.	1.6	4
24	The heat capacity measurements of $\text{CoSb}_3$ -based Skutterudite compounds. <i>International Journal of Materials Research</i> , 2010, 101, 808-811.	0.3	2
25	Fine-grained polycrystalline $\text{MoTe}_2$ with enhanced thermoelectric properties through iodine doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20093-20103.	2.2	2
26	Effect of excess Ge and Te on thermoelectric performance of GeTe. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 1144-1152.	2.1	1
27	Locally ordered nano-domains as novel microstructure defects suppressing the phonon transport in SnTe thermoelectrics. <i>Journal of the European Ceramic Society</i> , 2022, 42, 1001-1006.	5.7	1
28	High thermoelectric performance of PNP abrupt heterostructures by independent regulation of the electrical conductivity and Seebeck coefficient. <i>Materials Today Communications</i> , 2022, 31, 103343.	1.9	1
29	High thermoelectric performance of $(\text{Bi}_{1-x}\text{Pr}_x)_2(\text{Te}_{0.9}\text{Se}_{0.1})_3$ alloys prepared by high-pressure sintering method. <i>International Journal of Applied Ceramic Technology</i> , 2021, 18, 2075.	2.1	0