Jiye Zhang

List of Publications by Year
in descending order

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Version: 2024-02-01

		623734	526287
28	765	14	27
papers	citations	h-index	g-index

28	28	28	732
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Improved Thermal Stability and Enhanced Thermoelectric Properties of p-Type BaCu2Te2 by Doping of Cl. ACS Applied Materials & Interfaces, 2022, 14, 5634-5642.	8.0	10
2	Half-Heusler-like compounds with wide continuous compositions and tunable p- to n-type semiconducting thermoelectrics. Nature Communications, 2022, 13, 35.	12.8	20
3	Origin of ductility in amorphous Ag2S0.4Te0.6. Applied Physics Letters, 2022, 120, .	3.3	11
4	Discovery of a Slaterâ€“Pauling Semiconductor ZrRu_{1.5}Sb with Promising Thermoelectric Properties. Advanced Functional Materials, 2022, 32, .	14.9	12
5	Cu vacancy engineering of cage-compound BaCu2Se2: Realization of temperature-dependent hole concentration for high average thermoelectric figure-of-merit. Chemical Engineering Journal, 2022, 437, 135302.	12.7	6
6	Entropy engineering: A simple route to both p- and n-type thermoelectrics from the same parent material. Materials Today Physics, 2022, 26, 100745.	6.0	6
7	Influence of Ag substitution on thermoelectric properties of the quaternary diamond-like compound Zn2Cu3In3Te8. Journal of Materiomics, 2021, 7, 236-243.	5.7	7
8	Printed flexible thermoelectric materials and devices. Journal of Materials Chemistry A, 2021, 9, 19439-19464.	10.3	23
9	A general strategy for high-throughput experimental screening of promising bulk thermoelectric materials. Science China Materials, 2021, 64, 1751-1760.	6.3	8
10	Assessment of the thermoelectric performance of layered semiconductor SrFCuTe with wide band-gap. Journal of Solid State Chemistry, 2021, 299, 122169.	2.9	6
11	The Electrical and Thermal Transport Properties of La-Doped SrTiO3 with Sc2O3 Composite. Materials, 2021, 14, 6279.	2.9	1
12	The equivalent and aliovalent dopants boosting the thermoelectric properties of YbMg2Sb2. Science China Materials, 2020, 63, 437-443.	6.3	16
13	A universal strategy to separate hydrophilic hybrid-light carbon quantum dots using pure water as eluent. Applied Materials Today, 2020, 18, 100528.	4.3	10
14	Thermoelectric properties and thermal expansion of quaternary layered compound SrFZnSb. Journal of Alloys and Compounds, 2020, 837, 155497.	5.5	1
15	Design of C₃N₄â€Based Hybrid Heterojunctions for Enhanced Photocatalytic Hydrogen Production Activity. ChemSusChem, 2020, 13, 876-881.	6.8	26
16	Semiconductor glass with superior flexibility and high room temperature thermoelectric performance. Science Advances, 2020, 6, eaaz8423.	10.3	108
17	Precise Regulation of Carrier Concentration in Thermoelectric BiSbTe Alloys via Magnetic Doping. ACS Applied Materials & Interfaces, 2020, 12, 20653-20663.	8.0	37
18	High Thermoelectric Performance of Cu-Doped PbSe-PbS System Enabled by High-Throughput Experimental Screening. Research, 2020, 2020, 1736798.	5.7	18

#	Article	IF	Citations
19	Realization of higher thermoelectric performance by dynamic doping of copper in n-type PbTe. Energy and Environmental Science, 2019, 12, 3089-3098.	30.8	127
20	A₂Cu₃In₃Te₈ (A = Cd, Zn, Mn, Mg): A Type of Thermoelectric Material with Complex Diamond-like Structure and Low Lattice Thermal Conductivities. ACS Applied Energy Materials, 2019, 2, 8956-8965.	5.1	17
21	Enhancing Thermoelectric Performance of PbSe by Se Vacancies. Journal of Electronic Materials, 2018, 47, 2584-2590.	2.2	8
22	Boosting the thermoelectric performance of PbSe through dynamic doping and hierarchical phonon scattering. Energy and Environmental Science, 2018, 11, 1848-1858.	30.8	163
23	The Synergistic Effect of Pyridinic Nitrogen and Graphitic Nitrogen of Nitrogen-Doped Graphene Quantum Dots for Enhanced TiO2 Nanocompositesâ€™ Photocatalytic Performance. Catalysts, 2018, 8, 438.	3.5	13
24	High fluorescent sulfur regulating graphene quantum dots with tunable photoluminescence properties. Journal of Colloid and Interface Science, 2018, 529, 205-213.	9.4	22
25	Enhanced Average Thermoelectric Figure of Merit of the PbTeâ€“SrTeâ€“MnTe Alloy. ACS Applied Materials & Interfaces, 2017, 9, 8729-8736.	8.0	38
26	Influence of Ag doping on the thermoelectric properties of layered compound NdOZnSb. Materials Letters, 2017, 189, 126-130.	2.6	4
27	Enhanced thermoelectric performance in PbSe-SrSe solid solution by Mn substitution. Journal of Alloys and Compounds, 2016, 687, 765-772.	5.5	15
28	Eutectic microstructures and thermoelectric properties of MnTe-rich precipitates hardened PbTe. Acta Materialia, 2016, 111, 202-209.	7.9	32