# Jiye Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2088318/publications.pdf

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

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Boosting the thermoelectric performance of PbSe through dynamic doping and hierarchical phonon scattering. Energy and Environmental Science, 2018, 11, 1848-1858. | 30.8 | 163 |
| 2 | 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 |
| 3 | Semiconductor glass with superior flexibility and high room temperature thermoelectric performance. Science Advances, 2020, 6, eaaz8423. | 10.3 | 108 |
| 4 | Enhanced Average Thermoelectric Figure of Merit of the PbTeâ€“SrTeâ€“MnTe Alloy. ACS Applied Materials & Interfaces, 2017, 9, 8729-8736. | 8.0 | 38 |
| 5 | Precise Regulation of Carrier Concentration in Thermoelectric BiSbTe Alloys via Magnetic Doping. ACS Applied Materials & Interfaces, 2020, 12, 20653-20663. | 8.0 | 37 |
| 6 | Eutectic microstructures and thermoelectric properties of MnTe-rich precipitates hardened PbTe. Acta Materialia, 2016, 111, 202-209. | 7.9 | 32 |
| 7 | Design of C<sub>3</sub>N<sub>4</sub>â€Based Hybrid Heterojunctions for Enhanced Photocatalytic Hydrogen Production Activity. ChemSusChem, 2020, 13, 876-881. | 6.8 | 26 |
| 8 | Printed flexible thermoelectric materials and devices. Journal of Materials Chemistry A, 2021, 9, 19439-19464. | 10.3 | 23 |
| 9 | High fluorescent sulfur regulating graphene quantum dots with tunable photoluminescence properties. Journal of Colloid and Interface Science, 2018, 529, 205-213. | 9.4 | 22 |
| 10 | Half-Heusler-like compounds with wide continuous compositions and tunable p- to n-type semiconducting thermoelectrics. Nature Communications, 2022, 13, 35. | 12.8 | 20 |
| 11 | High Thermoelectric Performance of Cu-Doped PbSe-PbS System Enabled by High-Throughput Experimental Screening. Research, 2020, 2020, 1736798. | 5.7 | 18 |
| 12 | A<sub>2</sub>Cu<sub>3</sub>In<sub>3</sub>Te<sub>8</sub> (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 |
| 13 | The equivalent and aliovalent dopants boosting the thermoelectric properties of YbMg2Sb2. Science China Materials, 2020, 63, 437-443. | 6.3 | 16 |
| 14 | Enhanced thermoelectric performance in PbSe-SrSe solid solution by Mn substitution. Journal of Alloys and Compounds, 2016, 687, 765-772. | 5.5 | 15 |
| 15 | 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 |
| 16 | Discovery of a Slaterâ€“Pauling Semiconductor ZrRu<sub>1.5</sub>Sb with Promising Thermoelectric Properties. Advanced Functional Materials, 2022, 32, . | 14.9 | 12 |
| 17 | Origin of ductility in amorphous Ag2S0.4Te0.6. Applied Physics Letters, 2022, 120, . | 3.3 | 11 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | Enhancing Thermoelectric Performance of PbSe by Se Vacancies. Journal of Electronic Materials, 2018, 47, 2584-2590. | 2.2 | 8 |
| 21 | A general strategy for high-throughput experimental screening of promising bulk thermoelectric materials. Science China Materials, 2021, 64, 1751-1760. | 6.3 | 8 |
| 22 | Influence of Ag substitution on thermoelectric properties of the quaternary diamond-like compound Zn2Cu3In3Te8. Journal of Materiomics, 2021, 7, 236-243. | 5.7 | 7 |
| 23 | Assessment of the thermoelectric performance of layered semiconductor SrFCuTe with wide band-gap. Journal of Solid State Chemistry, 2021, 299, 122169. | 2.9 | 6 |
| 24 | 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 |
| 25 | 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 |
| 26 | Influence of Ag doping on the thermoelectric properties of layered compound NdOZnSb. Materials Letters, 2017, 189, 126-130. | 2.6 | 4 |
| 27 | Thermoelectric properties and thermal expansion of quaternary layered compound SrFZnSb. Journal of Alloys and Compounds, 2020, 837, 155497. | 5.5 | 1 |
| 28 | The Electrical and Thermal Transport Properties of La-Doped SrTiO3 with Sc2O3 Composite. Materials, 2021, 14, 6279. | 2.9 | 1 |