

Jingxuan Ding

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

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citations

933447

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1372567

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10
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444
citing authors

#	ARTICLE	IF	CITATIONS
1	Strongly Anharmonic Phonons and Their Role in Superionic Diffusion and Ultralow Thermal Conductivity of Cu_7PSe_6 . <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	26
2	Soft anharmonic phonons and ultralow thermal conductivity in $\text{Mg}_3(\text{Sb, Bi})_2$ thermoelectrics. <i>Science Advances</i> , 2021, 7, .	10.3	52
3	Atomistic Mechanisms Underlying Non-Arrhenius Ion Transport in Superionic Conductor AgCrSe_2 . <i>ACS Applied Energy Materials</i> , 2021, 4, 7157-7167.	5.1	10
4	A two-dimensional type I superionic conductor. <i>Nature Materials</i> , 2021, 20, 1683-1688.	27.5	15
5	Anisotropic Structural Collapse of Mg_3Sb_2 and Mg_3Bi_2 at High Pressure. <i>Chemistry of Materials</i> , 2021, 33, 567-573.	6.7	14
6	Fast Na diffusion and anharmonic phonon dynamics in superionic Na_3PS_4 . <i>Energy and Environmental Science</i> , 2021, 14, 6554-6563.	30.8	36
7	High Thermoelectric Performance of $\text{AgSb}_x\text{Pb}_x\text{Se}_2$ Prepared by Fast Nonequilibrium Synthesis. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 41333-41341.	8.0	15
8	Anharmonic lattice dynamics and superionic transition in AgCrSe_2 . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 3930-3937.	7.1	73
9	Selective breakdown of phonon quasiparticles across superionic transition in CuCrSe_2 . <i>Nature Physics</i> , 2019, 15, 73-78.	16.7	88
10	Enhanced thermoelectric performance of La-doped BiCuSeO by tuning band structure. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	86