

# Jingxuan Ding

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8677837/publications.pdf>

Version: 2024-02-01

10  
papers

415  
citations

933447

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1372567

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10  
docs citations

10  
times ranked

444  
citing authors

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