

Yuxing Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

10
papers

935
citations

1040056

9
h-index

1372567

10
g-index

10
all docs

10
docs citations

10
times ranked

915
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing the stochasticity of crystal nucleation to enable subnanosecond memory writing. <i>Science</i> , 2017, 358, 1423-1427.	12.6	458
2	Phase-change heterostructure enables ultralow noise and drift for memory operation. <i>Science</i> , 2019, 366, 210-215.	12.6	261
3	Chemical Design Principles for Cache-Type SbTe Phase-Change Memory Materials. <i>Chemistry of Materials</i> , 2019, 31, 4008-4015.	6.7	44
4	Chemical understanding of resistance drift suppression in GeSnTe phase-change memory materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 71-77.	5.5	36
5	Enhancing thermoelectric performance of Sb_2Te_3 through swapped bilayer defects. <i>Nano Energy</i> , 2021, 79, 105484.	16.0	32
6	Materials Screening for Disorder-Controlled Chalcogenide Crystals for Phase-Change Memory Applications. <i>Advanced Materials</i> , 2021, 33, e2006221.	21.0	32
7	Bonding similarities and differences between YbSbTe and SbTe phase-change memory materials. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3646-3654.	5.5	28
8	Unraveling Crystallization Mechanisms and Electronic Structure of Phase-Change Materials by Large-Scale Ab Initio Simulations. <i>Advanced Materials</i> , 2022, 34, e2109139.	21.0	21
9	Bonding nature and optical contrast of $\text{TiTe}_2/\text{Sb}_2\text{Te}_3$ phase-change heterostructure. <i>Materials Science in Semiconductor Processing</i> , 2021, 135, 106080.	4.0	13
10	Change in Structure of Amorphous SbTe Phase-Change Materials as a Function of Stoichiometry. <i>Physica Status Solidi - Rapid Research Letters</i> , 2021, 15, 2100064.	2.4	10