

Peng

List of Publications by Year in descending order

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11
papers

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citations

933447

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1281871

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11
times ranked

1263
citing authors

#	ARTICLE	IF	CITATIONS
1	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. <i>Nature Communications</i> , 2018, 9, 4807.	12.8	161
2	Atomic-scale mechanisms of ferroelastic domain-wall-mediated ferroelectric switching. <i>Nature Communications</i> , 2013, 4, .	12.8	152
3	Ferroc domains regulate photocurrent in single-crystalline CH ₃ NH ₃ PbI ₃ films self-grown on FTO/TiO ₂ substrate. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	76
4	Picometer-scale atom position analysis in annular bright-field STEM imaging. <i>Ultramicroscopy</i> , 2018, 184, 177-187.	1.9	47
5	General Decomposition Pathway of Organic-Inorganic Hybrid Perovskites through an Intermediate Superstructure and its Suppression Mechanism. <i>Advanced Materials</i> , 2020, 32, e2001107.	21.0	42
6	Atomic-scale imaging of CH ₃ NH ₃ PbI ₃ structure and its decomposition pathway. <i>Nature Communications</i> , 2021, 12, 5516.	12.8	36
7	Challenges, myths, and opportunities of electron microscopy on halide perovskites. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	35
8	Transmission electron microscopy of organic-inorganic hybrid perovskites: myths and truths. <i>Science Bulletin</i> , 2020, 65, 1643-1649.	9.0	34
9	Direct observation of weakened interface clamping effect enabled ferroelastic domain switching. <i>Acta Materialia</i> , 2019, 171, 184-189.	7.9	18
10	Atomic origin of spin-valve magnetoresistance at the SrRuO ₃ grain boundary. <i>National Science Review</i> , 2020, 7, 755-762.	9.5	12
11	Atomic structure and electrical/ionic activity of antiphase boundary in CH ₃ NH ₃ PbI ₃ . <i>Acta Materialia</i> , 2022, 234, 118010.	7.9	6