

Jiaxue You

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Nucleation-controlled growth of superior lead-free perovskite Cs ₃ Bi ₂ I ₉ single-crystals for high-performance X-ray detection. <i>Nature Communications</i> , 2020, 11, 2304.	12.8	286
2	Fluoroethylamine Engineering for Effective Passivation to Attain 23.4% Efficiency Perovskite Solar Cells with Superior Stability. <i>Advanced Energy Materials</i> , 2021, 11, 2101454.	19.5	49
3	First-Principles Calculation Design for 2D Perovskite to Suppress Ion Migration for High-Performance X-ray Detection. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	36
4	Interfacial undercooling in solidification of colloidal suspensions: analyses with quantitative measurements. <i>Scientific Reports</i> , 2016, 6, 28434.	3.3	28
5	Polarity regulation for stable 2D-perovskite-encapsulated high-efficiency 3D-perovskite solar cells. <i>Nano Energy</i> , 2022, 95, 106965.	16.0	27
6	Deep-Level Transient Spectroscopy for Effective Passivator Selection in Perovskite Solar Cells to Attain High Efficiency over 23%. <i>ChemSusChem</i> , 2021, 14, 3182-3189.	6.8	24
7	<i>In situ</i> observation the interface undercooling of freezing colloidal suspensions with differential visualization method. <i>Review of Scientific Instruments</i> , 2015, 86, 084901.	1.3	21
8	Superior photovoltaics/optoelectronics of two-dimensional halide perovskites. <i>Journal of Energy Chemistry</i> , 2021, 57, 69-82.	12.9	20
9	Controls on microstructural features during solidification of colloidal suspensions. <i>Acta Materialia</i> , 2018, 157, 288-297.	7.9	17
10	Dynamic particle packing in freezing colloidal suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 531, 93-98.	4.7	15
11	Inner Strain Regulation in Perovskite Single Crystals through Fine-Tuned Halide Composition. <i>Crystal Growth and Design</i> , 2021, 21, 1741-1750.	3.0	14
12	Interactions between Nanoparticles and Polymers in the Diffusion Boundary Layer during Freezing Colloidal Suspensions. <i>Langmuir</i> , 2019, 35, 10446-10452.	3.5	5
13	Cation Engineering for Effective Defect Passivation to Improve Efficiency and Stability of FA _{0.5} MA _{0.5} PbI ₃ Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 7654-7660.	5.1	3
14	Thermal regelation of single particles and particle clusters in ice. <i>Soft Matter</i> , 2021, 17, 1779-1787.	2.7	1