

Longlong Wu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

523
citations

759233

12
h-index

677142

22
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24
all docs

24
docs citations

24
times ranked

1041
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Dimensional Organic-Inorganic Hybrid Perovskite Photonic Films. <i>Nano Letters</i> , 2016, 16, 4166-4173.	9.1	105
2	Mesoporous Silica Thin Membranes with Large Vertical Mesochannels for Nanosize-Based Separation. <i>Advanced Materials</i> , 2017, 29, 1702274.	21.0	87
3	In Situ Observation of Crystallization Dynamics and Grain Orientation in Sequential Deposition of Metal Halide Perovskites. <i>Advanced Functional Materials</i> , 2019, 29, 1902319.	14.9	53
4	In Situ Real-Time Study of the Dynamic Formation and Conversion Processes of Metal Halide Perovskite Films. <i>Advanced Materials</i> , 2018, 30, 1706401.	21.0	52
5	In situ X-ray scattering observation of two-dimensional interfacial colloidal crystallization. <i>Nature Communications</i> , 2018, 9, 1335.	12.8	32
6	Improving efficiency and stability of colorful perovskite solar cells with two-dimensional photonic crystals. <i>Nanoscale</i> , 2020, 12, 8425-8431.	5.6	27
7	Complex imaging of phase domains by deep neural networks. <i>IUCr</i> , 2021, 8, 12-21.	2.2	27
8	Three-dimensional coherent X-ray diffraction imaging via deep convolutional neural networks. <i>Npj Computational Materials</i> , 2021, 7, .	8.7	20
9	Dynamic Crystallization and Phase Transition in Evaporating Colloidal Droplets. <i>Nano Letters</i> , 2019, 19, 8225-8233.	9.1	19
10	Precise Fabrication of De Novo Nanoparticle Lattices on Dynamic 2D Protein Crystalline Lattices. <i>Nano Letters</i> , 2020, 20, 1154-1160.	9.1	16
11	Imaging the Phase Transformation in Single Particles of the Lithium Titanate Anode for Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021, 4, 111-118.	5.1	16
12	Real-Time Probing of Nanowire Assembly Kinetics at the Air-Water Interface by In-Situ Synchrotron X-Ray Scattering. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8130-8134.	13.8	14
13	Evolution of ferroelastic domain walls during phase transitions in barium titanate nanoparticles. <i>Physical Review Materials</i> , 2020, 4, .	2.4	12
14	Controllable Formation of Efficient CuSe Counter Electrodes for Quantum Dot Sensitized Solar Cells. <i>Journal of the Electrochemical Society</i> , 2017, 164, F1566-F1571.	2.9	9
15	Structural and optical control of DNA-mediated Janus plasmonic nanostructures. <i>Nanoscale</i> , 2016, 8, 9337-9342.	5.6	7
16	X-ray standing wave enhanced scattering from mesoporous silica thin films. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	7
17	Wide-angle polarization-free plasmon-enhanced light absorption in perovskite films using silver nanowires. <i>Optics Express</i> , 2017, 25, 3594.	3.4	7
18	Structure of a seeded palladium nanoparticle and its dynamics during the hydride phase transformation. <i>Communications Chemistry</i> , 2021, 4, .	4.5	4

#	ARTICLE	IF	CITATIONS
19	Strain and Electronic Nematicity in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2020, 33, 93-98.	1.8	3
20	Real Space Imaging of Spin Stripe Domain Fluctuations in a Complex Oxide. <i>Physical Review Letters</i> , 2021, 127, 275301.	7.8	3
21	Experimental evidence for x-ray standing wave modulated surface scattering effect. <i>Applied Physics Letters</i> , 2019, 114, 141601.	3.3	2
22	X-ray and optical characterizations of DNA-mediated Janus nanostructures. <i>Applied Physics Letters</i> , 2016, 109, 233101.	3.3	1
23	Machine learning approach to the phase problem in Bragg coherent diffraction imaging. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2021, 77, C286-C286.	0.1	0