

Yun Liu

List of Publications by Year in descending order

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17
papers

746
citations

758635

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887659

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20
times ranked

1421
citing authors

#	ARTICLE	IF	CITATIONS
1	Deoxyribonucleic Acid Encoded and Size-Defined π -Stacking of Perylene Dimeres. <i>Journal of the American Chemical Society</i> , 2022, 144, 368-376.	6.6	15
2	Efficacious symmetry-adapted atomic displacement method for lattice dynamical studies. <i>Computer Physics Communications</i> , 2021, 259, 107635.	3.0	3
3	Impact of Orientational Glass Formation and Local Strain on Photo-Induced Halide Segregation in Hybrid Metal-Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15025-15034.	1.5	8
4	Efficient and Spectrally Stable Blue Perovskite Light-Emitting Diodes Employing a Cationic π -Conjugated Polymer. <i>Advanced Materials</i> , 2021, 33, e21103640.	11.1	77
5	Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 860-867.	7.2	20
6	Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie</i> , 2020, 132, 870-877.	1.6	12
7	Optical and Electronic Properties of Colloidal CdSe Quantum Rings. <i>ACS Nano</i> , 2020, 14, 14740-14760.	7.3	8
8	Stable Hexylphosphonate-Capped Blue-Emitting Quantum-Confined CsPbBr ₃ Nanoplatelets. <i>ACS Energy Letters</i> , 2020, 5, 1900-1907.	8.8	82
9	Epitaxial Dimers and Auger-Assisted Detrapping in PbS Quantum Dot Solids. <i>Matter</i> , 2019, 1, 250-265.	5.0	56
10	Bandlike Transport in PbS Quantum Dot Superlattices with Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3756-3762.	2.1	10
11	Origins of the Stokes Shift in PbS Quantum Dots: Impact of Polydispersity, Ligands, and Defects. <i>ACS Nano</i> , 2018, 12, 2838-2845.	7.3	50
12	Triphenylamine-Functionalized Silsesquioxane-Based Hybrid Porous Polymers: Tunable Porosity and Luminescence for Multianalyte Detection. <i>Chemistry - A European Journal</i> , 2017, 23, 13465-13473.	1.7	49
13	Energetics of $\langle \text{MnO} \rangle$ in density functional theory. <i>Physical Review B</i> , 2016, 93, .	2.1	24
14	Large anharmonic effect and thermal expansion anisotropy of metal chalcogenides: The case of antimony sulfide. <i>Physical Review B</i> , 2015, 92, .	1.1	28
15	Azobenzene-Functionalized Cage Silsesquioxanes as Inorganic-Organic Hybrid, Photoresponsive, Nanoscale, Building Blocks. <i>Chemistry - A European Journal</i> , 2015, 21, 4731-4738.	1.7	38
16	Direct measurement of coherent phonon dynamics in solution-processed stibnite thin films. <i>Physical Review B</i> , 2014, 90, .	1.1	13
17	First-principles study of the lattice dynamics of Sb ₂ S ₃ . <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 345-350.	1.3	72