

# Yun Liu

## List of Publications by Year in descending order

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17  
papers

746  
citations

758635

12  
h-index

887659

17  
g-index

20  
all docs

20  
docs citations

20  
times ranked

1421  
citing authors

#	ARTICLE	IF	CITATIONS
1	Energetics of $\text{MnO}_2$ in density functional theory. <i>Physical Review B</i> , 2016, 93, .	10.4	104
2	Stable Hexylphosphonate-Capped Blue-Emitting Quantum-Confined $\text{CsPbBr}_3$ Nanoplatelets. <i>ACS Energy Letters</i> , 2020, 5, 1900-1907.	8.8	82
3	Efficient and Spectrally Stable Blue Perovskite Light-Emitting Diodes Employing a Cationic $\pi$ -Conjugated Polymer. <i>Advanced Materials</i> , 2021, 33, e2103640.	11.1	77
4	First-principles study of the lattice dynamics of $\text{Sb}_2\text{S}_3$ . <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 345-350.	1.3	72
5	Epitaxial Dimers and Auger-Assisted Detrapping in PbS Quantum Dot Solids. <i>Matter</i> , 2019, 1, 250-265.	5.0	56
6	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
7	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
8	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
9	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
10	Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 860-867.	7.2	20
11	Deoxyribonucleic Acid Encoded and Size-Defined $\pi$ -Stacking of Perylene Diimides. <i>Journal of the American Chemical Society</i> , 2022, 144, 368-376.	6.6	15
12	Direct measurement of coherent phonon dynamics in solution-processed stibnite thin films. <i>Physical Review B</i> , 2014, 90, .	1.1	13
13	Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie</i> , 2020, 132, 870-877.	1.6	12
14	Bandlike Transport in PbS Quantum Dot Superlattices with Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3756-3762.	2.1	10
15	Optical and Electronic Properties of Colloidal CdSe Quantum Rings. <i>ACS Nano</i> , 2020, 14, 14740-14760.	7.3	8
16	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
17	Efficacious symmetry-adapted atomic displacement method for lattice dynamical studies. <i>Computer Physics Communications</i> , 2021, 259, 107635.	3.0	3