

Yun Liu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,207
citations

516710

16
h-index

677142

22
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all docs

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docs citations

23
times ranked

1715
citing authors

#	ARTICLE	IF	CITATIONS
1	Energetics of $\langle \text{MnO} \rangle$ in density functional theory. <i>Physical Review B</i> , 2016, 93, .	3.2	104
2	Cluster formation in two-Yukawa fluids. <i>Journal of Chemical Physics</i> , 2005, 122, 044507.	3.0	180
3	Effective Long-Range Attraction between Protein Molecules in Solutions Studied by Small Angle Neutron Scattering. <i>Physical Review Letters</i> , 2005, 95, 118102.	7.8	127
4	Molecularly Engineered Azobenzene Derivatives for High Energy Density Solid-State Solar Thermal Fuels. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 8679-8687.	8.0	97
5	Photon energy storage materials with high energy densities based on diacetylene-azobenzene derivatives. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16157-16165.	10.3	86
6	Chemical Origins of Frictional Aging. <i>Physical Review Letters</i> , 2012, 109, 186102.	7.8	82
7	Effects of Interfacial Bonding on Friction and Wear at Silica/Silica Interfaces. <i>Tribology Letters</i> , 2014, 56, 481-490.	2.6	57
8	Origins of the Stokes Shift in PbS Quantum Dots: Impact of Polydispersity, Ligands, and Defects. <i>ACS Nano</i> , 2018, 12, 2838-2845.	14.6	50
9	Triphenylamine-Functionalized Silsesquioxane-Based Hybrid Porous Polymers: Tunable Porosity and Luminescence for Multianalyte Detection. <i>Chemistry - A European Journal</i> , 2017, 23, 13465-13473.	3.3	49
10	Load and Time Dependence of Interfacial Chemical Bond-Induced Friction at the Nanoscale. <i>Physical Review Letters</i> , 2017, 118, 076103.	7.8	48
11	Azobenzene-Functionalized Cage Silsesquioxanes as Inorganic-Organic Hybrid, Photoresponsive, Nanoscale, Building Blocks. <i>Chemistry - A European Journal</i> , 2015, 21, 4731-4738.	3.3	38
12	Accelerating the Design of Solar Thermal Fuel Materials through High Throughput Simulations. <i>Nano Letters</i> , 2014, 14, 7046-7050.	9.1	27
13	Modeling the Effect of Dissolved Hydrogen Sulfide on Mg^{2+} -Water Complex on Dolomite {104} Surfaces. <i>Journal of Physical Chemistry C</i> , 2014, 118, 15716-15722.	3.1	27
14	Genome-inspired molecular identification in organic matter via Raman spectroscopy. <i>Carbon</i> , 2016, 101, 361-367.	10.3	24
15	Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 860-867.	13.8	20
16	Inelastic X-ray scattering studies of phonons in liquid crystalline DNA. <i>Physical Chemistry Chemical Physics</i> , 2004, 6, 1499-1505.	2.8	19
17	Direct correlation between aromatization of carbon-rich organic matter and its visible electronic absorption edge. <i>Carbon</i> , 2015, 88, 139-147.	10.3	17
18	Effects of counterion valency on the damping of phonons propagating along the axial direction of liquid-crystalline DNA. <i>Journal of Chemical Physics</i> , 2005, 123, 214909.	3.0	15

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19	Blue Light Emitting Defective Nanocrystals Composed of Earth-Abundant Elements. <i>Angewandte Chemie</i> , 2020, 132, 870-877.	2.0	12
20	Linear Aging Behavior at Short Timescales in Nanoscale Contacts. <i>Physical Review Letters</i> , 2020, 124, 026801.	7.8	12
21	Bandlike Transport in PbS Quantum Dot Superlattices with Quantum Confinement. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3756-3762.	4.6	10
22	Experimental and Simulation Insight on the Transport of Silver Fission Product in SiC. , 2008, , .		4
23	Selectively observing the amplitude modulation under magic angle sample spinning. <i>Journal of Chemical Physics</i> , 2003, 119, 2663-2668.	3.0	2