

Zhaoru Sun

List of Publications by Year in descending order

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14
papers

1,273
citations

1051969

10
h-index

1181555

14
g-index

15
all docs

15
docs citations

15
times ranked

2378
citing authors

#	ARTICLE	IF	CITATIONS
1	Importance of nuclear quantum effects on the hydration of chloride ion. <i>Physical Review Materials</i> , 2021, 5, .	0.9	11
2	Elastic Properties of High-Symmetry Sb ₄ O ₆ Cage-Molecular Crystal. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9011-9019.	2.1	5
3	Inorganic Low <i>k</i> Cage-molecular Crystals. <i>Nano Letters</i> , 2021, 21, 203-208.	4.5	25
4	On-Surface Synthesis of All-cis Standing Phenanthrene Polymers upon Selective C-H Bond Activation. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5022-5028.	2.1	2
5	Structural, electronic, and dynamical properties of liquid water by <i>ab initio</i> molecular dynamics based on SCAN functional within the canonical ensemble. <i>Journal of Chemical Physics</i> , 2018, 148, 164505.	1.2	58
6	Signature of the hydrogen-bonded environment of liquid water in X-ray emission spectra from first-principles calculations. <i>Frontiers of Physics</i> , 2018, 13, 1.	2.4	3
7	Electron-Hole Theory of the Effect of Quantum Nuclei on the X-Ray Absorption Spectra of Liquid Water. <i>Physical Review Letters</i> , 2018, 121, 137401.	2.9	35
8	Ab initio theory and modeling of water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10846-10851.	3.3	340
9	X-ray absorption of liquid water by advanced <i>ab initio</i> methods. <i>Physical Review B</i> , 2017, 96, .	1.1	11
10	Accurate first-principles structures and energies of diversely bonded systems from an efficient density functional. <i>Nature Chemistry</i> , 2016, 8, 831-836.	6.6	698
11	Liquid-liquid phase transition in water. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 810-818.	2.0	14
12	A Route toward Digital Manipulation of Water Nanodroplets on Surfaces. <i>ACS Nano</i> , 2014, 8, 3955-3960.	7.3	35
13	Progress in the structural and physical properties of ice surface. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2013, 43, 1144-1150.	0.2	1
14	Role of proton ordering in adsorption preference of polar molecule on ice surface. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13177-13181.	3.3	35