

# Zhaoru Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3397751/publications.pdf>

Version: 2024-02-01

14  
papers

1,273  
citations

933447

10  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

2055  
citing authors

#	ARTICLE	IF	CITATIONS
1	Accurate first-principles structures and energies of diversely bonded systems from an efficient density functional. <i>Nature Chemistry</i> , 2016, 8, 831-836.	13.6	698
2	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.	7.1	340
3	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.	3.0	58
4	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.	7.1	35
5	A Route toward Digital Manipulation of Water Nanodroplets on Surfaces. <i>ACS Nano</i> , 2014, 8, 3955-3960.	14.6	35
6	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.	7.8	35
7	Inorganic Low <i>h</i> Cage-molecular Crystals. <i>Nano Letters</i> , 2021, 21, 203-208.	9.1	25
8	Liquid-liquid phase transition in water. <i>Science China: Physics, Mechanics and Astronomy</i> , 2014, 57, 810-818.	5.1	14
9	X-ray absorption of liquid water by advanced <i>ab initio</i> methods. <i>Physical Review B</i> , 2017, 96, .	3.2	11
10	Importance of nuclear quantum effects on the hydration of chloride ion. <i>Physical Review Materials</i> , 2021, 5, .	2.4	11
11	Elastic Properties of High-Symmetry Sb <sub>4</sub> O <sub>6</sub> Cage-Molecular Crystal. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 9011-9019.	4.6	5
12	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.	5.0	3
13	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.	4.6	2
14	Progress in the structural and physical properties of ice surface. <i>Scientia Sinica: Physica, Mechanica Et Astronomica</i> , 2013, 43, 1144-1150.	0.4	1