

Chunyi Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

190
citations

1307594

7
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolving salt is not equivalent to applying a pressure on water. Nature Communications, 2022, 13, 822.	12.8	41
2	Modeling Liquid Water by Climbing up Jacob's Ladder in Density Functional Theory Facilitated by Using Deep Neural Network Potentials. Journal of Physical Chemistry B, 2021, 125, 11444-11456.	2.6	40
3	Nano-architected metamaterials: Carbon nanotube-based nanotrusses. Carbon, 2018, 131, 38-46.	10.3	29
4	Isotope effects in molecular structures and electronic properties of liquid water via deep potential molecular dynamics based on the SCAN functional. Physical Review B, 2020, 102, .	3.2	22
5	Finite-temperature infrared and Raman spectra of high-pressure hydrogen from first-principles molecular dynamics. Physical Review B, 2018, 98, .	3.2	14
6	Importance of nuclear quantum effects on the hydration of chloride ion. Physical Review Materials, 2021, 5, .	2.4	11
7	Many-body effects in the X-ray absorption spectra of liquid water. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2201258119.	7.1	11
8	Structural and Dynamic Properties of Solvated Hydroxide and Hydronium Ions in Water from Ab Initio Modeling. Journal of Chemical Physics, 0, , .	3.0	8
9	Isotope effects in x-ray absorption spectra of liquid water. Physical Review B, 2020, 102, .	3.2	6
10	Thermal conductance of one-dimensional materials calculated with typical lattice models. Physical Review E, 2016, 94, 052131.	2.1	5
11	Finite-temperature phonon dispersion and vibrational dynamics of BaTiO ₃ from first-principles molecular dynamics. Physical Review B, 2022, 105, .	3.2	3