

Xu-Liang Zhu

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Investigations of the Hydrogen Bonds and Vibrational Spectra of Clathrate Ice XVI. <i>Materials</i> , 2019, 12, 246.	2.9	16
2	DFT Simulations of the Vibrational Spectrum and Hydrogen Bonds of Ice XIV. <i>Molecules</i> , 2018, 23, 1781.	3.8	15
3	Computational analysis of vibrational spectrum and hydrogen bonds of ice XVII. <i>New Journal of Physics</i> , 2019, 21, 043054.	2.9	15
4	Comparative Analysis of Hydrogen Bond Vibrations in Ice VIII and VII. <i>Journal of Physical Chemistry C</i> , 2019, 123, 14880-14883.	3.1	14
5	Origin of Two Distinct Peaks of Ice in the THz Region and Its Application for Natural Gas Hydrate Dissociation. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1165-1170.	3.1	12
6	Computational Analysis of Exotic Molecular and Atomic Vibrations in Ice XV. <i>Molecules</i> , 2019, 24, 3115.	3.8	11
7	Exotic Spectra and Lattice Vibrations of Ice X Using the DFT Method. <i>Molecules</i> , 2018, 23, 2780.	3.8	9
8	DFT Investigations of the Vibrational Spectra and Translational Modes of Ice II. <i>Molecules</i> , 2019, 24, 3135.	3.8	8
9	Density functional theory studies of hydrogen bonding vibrations in sl gas hydrates. <i>New Journal of Physics</i> , 2020, 22, 093066.	2.9	6
10	Computing Investigations of Molecular and Atomic Vibrations of Ice IX. <i>ACS Omega</i> , 2019, 4, 18936-18941.	3.5	4
11	Two basic vibrational modes of hydrogen bonds in ice XIII. <i>AIP Advances</i> , 2019, 9, 115118.	1.3	4
12	A Strategy for the Analysis of the Far-Infrared Vibrational Modes of Hydrogen-Disordered Ice V. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7913-7918.	3.1	4
13	A Computational Validation of Water Molecules Adsorption on an NaCl Surface. <i>Crystals</i> , 2021, 11, 610.	2.2	4
14	Studies of Hydrogen Bond Vibrations of Hydrogen-Disordered Ice Ic. <i>Crystals</i> , 2021, 11, 668.	2.2	4
15	Comparative Analysis of Hydrogen-Bonding Vibrations of Ice VI. <i>ACS Omega</i> , 2021, 6, 14442-14446.	3.5	3
16	Comparative Analysis of the Hydrogen Bond Vibrations of Ice XII. <i>ACS Omega</i> , 2022, 7, 2970-2974.	3.5	2