

Pushp Bajaj

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

685
citations

932766

10
h-index

1281420

11
g-index

11
all docs

11
docs citations

11
times ranked

584
citing authors

#	ARTICLE	IF	CITATIONS
1	On the accuracy of the MB-pol many-body potential for water: Interaction energies, vibrational frequencies, and classical thermodynamic and dynamical properties from clusters to liquid water and ice. <i>Journal of Chemical Physics</i> , 2016, 145, 194504.	1.2	214
2	Toward Chemical Accuracy in the Description of Ion-Water Interactions through Many-Body Representations. I. Halide-Water Dimer Potential Energy Surfaces. <i>Journal of Chemical Theory and Computation</i> , 2016, 12, 2698-2705.	2.3	81
3	On the representation of many-body interactions in water. <i>Journal of Chemical Physics</i> , 2015, 143, 104102.	1.2	80
4	i-TTM Model for Ab Initio-Based Ion-Water Interaction Potentials. 1. Halide-Water Potential Energy Functions. <i>Journal of Physical Chemistry B</i> , 2016, 120, 1822-1832.	1.2	61
5	Toward chemical accuracy in the description of ion-water interactions through many-body representations. Alkali-water dimer potential energy surfaces. <i>Journal of Chemical Physics</i> , 2017, 147, 161715.	1.2	57
6	Ion-mediated hydrogen-bond rearrangement through tunnelling in the iodide-dihydrate complex. <i>Nature Chemistry</i> , 2019, 11, 367-374.	6.6	55
7	Vibrational spectra of halide-water dimers: Insights on ion hydration from full-dimensional quantum calculations on many-body potential energy surfaces. <i>Journal of Chemical Physics</i> , 2018, 148, 102321.	1.2	40
8	Halide Ion Microhydration: Structure, Energetics, and Spectroscopy of Small Halide-Water Clusters. <i>Journal of Physical Chemistry A</i> , 2019, 123, 2843-2852.	1.1	35
9	Chemical accuracy in modeling halide ion hydration from many-body representations. <i>Advances in Physics: X</i> , 2019, 4, 1631212.	1.5	32
10	Specific Ion Effects on Hydrogen-Bond Rearrangements in the Halide-Dihydrate Complexes. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 2823-2828.	2.1	26
11	India's low temperature thermal desalination technology: Water diplomacy with Small Island Developing States in the Indo-Pacific Region. <i>Maritime Affairs</i> , 2020, 16, 30-45.	0.3	4