Mirza Galib

List of Publications by Year
in descending order

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16 papers	641 citations	840776 11 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	960 citing authors

#	Article	IF	Citations
1	Uptake of N2O5 by aqueous aerosol unveiled using chemically accurate many-body potentials. Nature Communications, 2022, 13, 1266.	12.8	8
2	Investigations of Bis(alkylthiocarbamato)copper Linkage Isomers. Inorganic Chemistry, 2022, 61, 7715-7719.	4.0	2
3	Near-Quantitative Predictions of the First-Shell Coordination Structure of Hydrated First-Row Transition Metal Ions Using K-Edge X-ray Absorption Near-Edge Spectroscopy. Journal of Physical Chemistry Letters, 2022, 13, 6323-6330.	4.6	6
4	Reactive uptake of N ₂ O ₅ by atmospheric aerosol is dominated by interfacial processes. Science, 2021, 371, 921-925.	12.6	71
5	Learning intermolecular forces at liquidâ€“vapor interfaces. Journal of Chemical Physics, 2021, 155, 164101.	3.0	26
6	Quantifying the hydration structure of sodium and potassium ions: taking additional steps on Jacob's Ladder. Physical Chemistry Chemical Physics, 2020, 22, 10641-10652.	2.8	38
7	Critical Review on Gas Hydrate Formation at Solid Surfaces and in Confined Spacesâ€”Why and How Does Interfacial Regime Matter?. Energy & Fuels, 2020, 34, 6751-6760.	5.1	95
8	Supersaturated calcium carbonate solutions are classical. Science Advances, 2018, 4, eaao6283.	10.3	116
9	On the relation between Marcus theory and ultrafast spectroscopy of solvation kinetics. Chemical Physics Letters, 2018, 692, 407-415.	2.6	10
10	Unraveling the spectral signatures of solvent ordering in K-edge XANES of aqueous Na+. Journal of Chemical Physics, 2018, 149, 124503.	3.0	12
11	Interfacial Gas Enrichment at Hydrophobic Surfaces and the Origin of Promotion of Gas Hydrate Formation by Hydrophobic Solid Particles. Journal of Physical Chemistry C, 2017, 121, 3830-3840.	3.1	94
12	Mass density fluctuations in quantum and classical descriptions of liquid water. Journal of Chemical Physics, 2017, 146, 244501.	3.0	44
13	The structure of liquid water up to 360 MPa from x-ray diffraction measurements using a high Q-range and from molecular simulation. Journal of Chemical Physics, 2016, 144, 134504.	3.0	38
14	Molecular dynamics simulations predict an accelerated dissociation of H₂CO₃at the airâ€“water interface. Physical Chemistry Chemical Physics, 2014, 16, 25573-25582.	2.8	22
15	The Role of Hydrogen Bonding in the Decomposition of H₂CO₃ in Water: Mechanistic Insights from Ab Initio Metadynamics Studies of Aqueous Clusters. Journal of Physical Chemistry B, 2014, 118, 5983-5993.	2.6	19
16	Mechanistic Insights into the Dissociation and Decomposition of Carbonic Acid in Water via the Hydroxide Route: An Ab Initio Metadynamics Study. Journal of Physical Chemistry B, 2011, 115, 15024-15035.	2.6	39