Aashish Tuladhar

List of Publications by Year
in descending order

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21 papers	398 citations	759233 12 h-index	752698 20 g-index
21 all docs	21 docs citations	21 times ranked	484 citing authors

#	Article	IF	Citations
1	Insights on Interfacial Structure, Dynamics, and Proton Transfer from Ultrafast Vibrational Sum Frequency Generation Spectroscopy of the Alumina(0001)/Water Interface. Journal of Physical Chemistry C, 2017, 121, 5168-5177.	3.1	53
2	Ions Tune Interfacial Water Structure and Modulate Hydrophobic Interactions at Silica Surfaces. Journal of the American Chemical Society, 2020, 142, 6991-7000.	13.7	53
3	Spectroscopy and Ultrafast Vibrational Dynamics of Strongly Hydrogen Bonded OH Species at the Î±-Al₂O₃(112Ì…0)/H₂O Interface. Journal of Physical Chemistry C, 2016, 120, 16153-16161.	3.1	42
4	Monovalent and Divalent Cations at the Î±-Al₂O₃(0001)/Water Interface: How Cation Identity Affects Interfacial Ordering and Vibrational Dynamics. Journal of Physical Chemistry C, 2019, 123, 18315-18324.	3.1	29
5	Effect of Halide Anions on the Structure and Dynamics of Water Next to an Alumina (0001) Surface. Journal of Physical Chemistry C, 2018, 122, 12819-12830.	3.1	28
6	Effect of Oxidation Level on the Interfacial Water at the Graphene Oxideâ€“Water Interface: From Spectroscopic Signatures to Hydrogen-Bonding Environment. Journal of Physical Chemistry B, 2020, 124, 8167-8178.	2.6	27
7	Direct Observation of the Orientational Anisotropy of Buried Hydroxyl Groups inside Muscovite Mica. Journal of the American Chemical Society, 2019, 141, 2135-2142.	13.7	23
8	Surface Hydration and Hydroxyl Configurations of Gibbsite and Boehmite Nanoplates. Journal of Physical Chemistry C, 2020, 124, 5275-5285.	3.1	21
9	The role of surface hydroxyls on the radiolysis of gibbsite and boehmite nanoplatelets. Journal of Hazardous Materials, 2020, 398, 122853.	12.4	18
10	Vibrational studies of saccharide-induced lipid film reorganization at aqueous/air interfaces. Chemical Physics, 2018, 512, 104-110.	1.9	15
11	Organic Enrichment at Aqueous Interfaces: Cooperative Adsorption of Glucuronic Acid to DPPC Monolayers Studied with Vibrational Sum Frequency Generation. Journal of Physical Chemistry A, 2019, 123, 5621-5632.	2.5	14
12	Hydrogen bonding and molecular orientations across thin water films on sapphire. Journal of Colloid and Interface Science, 2019, 555, 810-817.	9.4	12
13	Atmospheric Î²-Caryophyllene-Derived Ozonolysis Products at Interfaces. ACS Earth and Space Chemistry, 2019, 3, 158-169.	2.7	10
14	Ultrabroadband mid-infrared noncollinear difference frequency generation in a silver thiogallate crystal. Optics Letters, 2018, 43, 4402.	3.3	9
15	Generation of sub-30-fs microjoule mid-infrared pulses for ultrafast vibrational dynamics at solid/liquid interfaces. Optics Letters, 2013, 38, 5008.	3.3	8
16	Surface-Active Î²-Caryophyllene Oxidation Products at the Air/Aqueous Interface. ACS Earth and Space Chemistry, 2019, 3, 1740-1748.	2.7	8
17	Synthesis and surface spectroscopy of Î±-pinene isotopologues and their corresponding secondary organic material. Chemical Science, 2019, 10, 8390-8398.	7.4	8
18	No Hydrogen Bonding between Water and Hydrophilic Single Crystal MgO Surfaces?. Journal of Physical Chemistry C, 2021, 125, 26132-26138.	3.1	8

#	Article	IF	Citations
19	Cooperative Adsorption of Trehalose to DPPC Monolayers at the Waterâ€“Air Interface Studied with Vibrational Sum Frequency Generation. Journal of Physical Chemistry B, 2019, 123, 8931-8938.	2.6	7
20	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie - International Edition, 2020, 59, 2323-2327.	13.8	4
21	Organothiol Monolayer Formation Directly on Muscovite Mica. Angewandte Chemie, 2020, 132, 2343-2347.	2.0	1