

Abigail C Dommer

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

1,397
citations

933264

10
h-index

1125617

13
g-index

18
all docs

18
docs citations

18
times ranked

2323
citing authors

#	ARTICLE	IF	CITATIONS
1	Amino Acids Are Driven to the Interface by Salts and Acidic Environments. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 2824-2829.	2.1	14
2	The flexibility of ACE2 in the context of SARS-CoV-2 infection. <i>Biophysical Journal</i> , 2021, 120, 1072-1084.	0.2	102
3	A multiscale coarse-grained model of the SARS-CoV-2 virion. <i>Biophysical Journal</i> , 2021, 120, 1097-1104.	0.2	139
4	Calcium bridging drives polysaccharide co-adsorption to a proxy sea surface microlayer. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 16401-16416.	1.3	8
5	AI-driven multiscale simulations illuminate mechanisms of SARS-CoV-2 spike dynamics. <i>International Journal of High Performance Computing Applications</i> , 2021, 35, 432-451.	2.4	91
6	Cation-Driven Lipopolysaccharide Morphological Changes Impact Heterogeneous Reactions of Nitric Acid with Sea Spray Aerosol Particles. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 5023-5029.	2.1	6
7	Insights into the behavior of nonanoic acid and its conjugate base at the air/water interface through a combined experimental and theoretical approach. <i>Chemical Science</i> , 2020, 11, 10647-10656.	3.7	21
8	Beyond Shielding: The Roles of Glycans in the SARS-CoV-2 Spike Protein. <i>ACS Central Science</i> , 2020, 6, 1722-1734.	5.3	727
9	Mesoscale All-Atom Influenza Virus Simulations Suggest New Substrate Binding Mechanism. <i>ACS Central Science</i> , 2020, 6, 189-196.	5.3	86
10	Surfactant Charge Modulates Structure and Stability of Lipase-Embedded Monolayers at Marine-Relevant Aerosol Surfaces. <i>Langmuir</i> , 2019, 35, 9050-9060.	1.6	8
11	A Computational Assay that Explores the Hemagglutinin/Neuraminidase Functional Balance Reveals the Neuraminidase Secondary Site as a Novel Anti-Influenza Target. <i>ACS Central Science</i> , 2018, 4, 1570-1577.	5.3	25
12	A miniature Marine Aerosol Reference Tank (miniMART) as a compact breaking wave analogue. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 4257-4267.	1.2	12
13	Sea Spray Aerosol Structure and Composition Using Cryogenic Transmission Electron Microscopy. <i>ACS Central Science</i> , 2016, 2, 40-47.	5.3	74