

Subin Sahu

List of Publications by Year in descending order

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13
papers

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1162367

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668
citing authors

#	ARTICLE	IF	CITATIONS
1	Diffusion Limitations and Translocation Barriers in Atomically Thin Biomimetic Pores. <i>Entropy</i> , 2020, 22, 1326.	1.1	3
2	The Landscape for Ion Channel Transport and Selectivity. <i>Biophysical Journal</i> , 2020, 118, 11a.	0.2	0
3	Optimal transport and colossal ionic mechano-conductance in graphene crown ethers. <i>Science Advances</i> , 2019, 5, eaaw5478.	4.7	37
4	<i>Colloquium</i> : Ionic phenomena in nanoscale pores through 2D materials. <i>Reviews of Modern Physics</i> , 2019, 91, .	16.4	48
5	Investigating Ion Transport Mechanisms via Strain, Charge, and Bias in Functionalized Sub-Nanoscale Pores. <i>Biophysical Journal</i> , 2019, 116, 397a.	0.2	0
6	Maxwell-Hall access resistance in graphene nanopores. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 4646-4651.	1.3	23
7	Golden aspect ratio for ion transport simulation in nanopores. <i>Physical Review E</i> , 2018, 98, 012404.	0.8	11
8	Access Resistance in Atomically Thin Nanopores. <i>Biophysical Journal</i> , 2018, 114, 493a.	0.2	2
9	Enabling Photoemission Electron Microscopy in Liquids via Graphene-Capped Microchannel Arrays. <i>Nano Letters</i> , 2017, 17, 1034-1041.	4.5	46
10	Ion Transport and Dehydration in Subnanoscale Pores. <i>Biophysical Journal</i> , 2017, 112, 544a.	0.2	0
11	Ionic selectivity and filtration from fragmented dehydration in multilayer graphene nanopores. <i>Nanoscale</i> , 2017, 9, 11424-11428.	2.8	49
12	Dehydration as a Universal Mechanism for Ion Selectivity in Graphene and Other Atomically Thin Pores. <i>Nano Letters</i> , 2017, 17, 4719-4724.	4.5	161
13	Crossover behavior of the thermal conductance and Kramers's™ transition rate theory. <i>Scientific Reports</i> , 2015, 5, 17506.	1.6	28