

Subin Sahu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7036661/publications.pdf>

Version: 2024-02-01

13
papers

408
citations

1162367

8
h-index

1372195

10
g-index

13
all docs

13
docs citations

13
times ranked

668
citing authors

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