

Cody L Ritt

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

14
papers

604
citations

11
h-index

15
g-index

15
ext. papers

1,089
ext. citations

14.4
avg, IF

4.72
L-index

#	Paper	IF	Citations
14	Machine learning reveals key ion selectivity mechanisms in polymeric membranes with subnanometer pores.. <i>Science Advances</i> , 2022 , 8, eabl5771	14.3	6
13	Laser Interferometry for Precise Measurement of Ultralow Flow Rates from Permeable Materials. <i>Environmental Science and Technology Letters</i> , 2022 , 9, 233-238	11	
12	Graphene oxide membranes with stable porous structure for ultrafast water transport. <i>Nature Nanotechnology</i> , 2021 , 16, 337-343	28.7	95
11	Characterization of Dehydration during Ion Transport in Polymeric Nanochannels. <i>Journal of the American Chemical Society</i> , 2021 , 143, 14242-14252	16.4	18
10	Chlorine-Resistant Epoxide-Based Membranes for Sustainable Water Desalination. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 818-824	11	1
9	The open membrane database: Synthesis-structure-performance relationships of reverse osmosis membranes. <i>Journal of Membrane Science</i> , 2021 , 119927	9.6	12
8	Thin film composite membrane compaction in high-pressure reverse osmosis. <i>Journal of Membrane Science</i> , 2020 , 610, 118268	9.6	38
7	Towards single-species selectivity of membranes with subnanometre pores. <i>Nature Nanotechnology</i> , 2020 , 15, 426-436	28.7	138
6	The relative insignificance of advanced materials in enhancing the energy efficiency of desalination technologies. <i>Energy and Environmental Science</i> , 2020 , 13, 1694-1710	35.4	105
5	Relating Selectivity and Separation Performance of Lamellar Two-Dimensional Molybdenum Disulfide (MoS) Membranes to Nanosheet Stacking Behavior. <i>Environmental Science & Technology</i> , 2020 , 54, 9640-9651	10.3	31
4	Similarities and differences between potassium and ammonium ions in liquid water: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 2540-2548	3.6	16
3	Ionization behavior of nanoporous polyamide membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 30191-30200	11.5	21
2	Tuning Pb(II) Adsorption from Aqueous Solutions on Ultrathin Iron Oxide (FeO) Nanosheets. <i>Environmental Science & Technology</i> , 2019 , 53, 2075-2085	10.3	71
1	Monte Carlo Simulations of Framework Defects in Layered Two-Dimensional Nanomaterial Desalination Membranes: Implications for Permeability and Selectivity. <i>Environmental Science & Technology</i> , 2019 , 53, 6214-6224	10.3	48