Cody L Ritt

List of Publications by Year
in descending order

15	1,600	686830 13	1058022 14
papers	citations	h-index	g-index

15	15	15	1458
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards single-species selectivity of membranes with subnanometre pores. Nature Nanotechnology, 2020, 15, 426-436.	15.6	389
2	Graphene oxide membranes with stable porous structure for ultrafast water transport. Nature Nanotechnology, 2021, 16, 337-343.	15.6	301
3	The relative insignificance of advanced materials in enhancing the energy efficiency of desalination technologies. Energy and Environmental Science, 2020, 13, 1694-1710.	15.6	206
4	Tuning Pb(II) Adsorption from Aqueous Solutions on Ultrathin Iron Oxychloride (FeOCl) Nanosheets. Environmental Science & Technology, 2019, 53, 2075-2085.	4.6	121
5	In Situ Characterization of Dehydration during Ion Transport in Polymeric Nanochannels. Journal of the American Chemical Society, 2021, 143, 14242-14252.	6.6	89
6	Ionization behavior of nanoporous polyamide membranes. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 30191-30200.	3.3	82
7	Relating Selectivity and Separation Performance of Lamellar Two-Dimensional Molybdenum Disulfide (MoS₂) Membranes to Nanosheet Stacking Behavior. Environmental Science & Technology, 2020, 54, 9640-9651.	4.6	82
8	Monte Carlo Simulations of Framework Defects in Layered Two-Dimensional Nanomaterial Desalination Membranes: Implications for Permeability and Selectivity. Environmental Science & Technology, 2019, 53, 6214-6224.	4.6	80
9	Thin film composite membrane compaction in high-pressure reverse osmosis. Journal of Membrane Science, 2020, 610, 118268.	4.1	73
10	The open membrane database: Synthesisâ€“structureâ€“performance relationships of reverse osmosis membranes. Journal of Membrane Science, 2022, 641, 119927.	4.1	62
11	Machine learning reveals key ion selectivity mechanisms in polymeric membranes with subnanometer pores. Science Advances, 2022, 8, eabl5771.	4.7	45
12	Similarities and differences between potassium and ammonium ions in liquid water: a first-principles study. Physical Chemistry Chemical Physics, 2020, 22, 2540-2548.	1.3	33
13	Molecular Simulations to Elucidate Transport Phenomena in Polymeric Membranes. Environmental Science & Technology, 2022, 56, 3313-3323.	4.6	25
14	Chlorine-Resistant Epoxide-Based Membranes for Sustainable Water Desalination. Environmental Science and Technology Letters, 2021, 8, 818-824.	3.9	12
15	Laser Interferometry for Precise Measurement of Ultralow Flow Rates from Permeable Materials. Environmental Science and Technology Letters, 2022, 9, 233-238.	3.9	0