Ryan M Duchanois

List of Publications by Year
in descending order

12	1,139	840776 11	1125743 13
papers	citations	h-index	g-index

14	14	14	970
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tethered electrolyte active-layer membranes. Journal of Membrane Science, 2022, 642, 120004.	8.2	7
2	Molecular Simulations to Elucidate Transport Phenomena in Polymeric Membranes. Environmental Science & Technology, 2022, 56, 3313-3323.	10.0	25
3	Designing polymeric membranes with coordination chemistry for high-precision ion separations. Science Advances, 2022, 8, eabm9436.	10.3	50
4	High performance polyester reverse osmosis desalination membrane with chlorine resistance. Nature Sustainability, 2021, 4, 138-146.	23.7	185
5	Selective membranes in water and wastewater treatment: Role of advanced materials. Materials Today, 2021, 50, 516-532.	14.2	106
6	Membrane Materials for Selective Ion Separations at the Waterâ€“Energy Nexus. Advanced Materials, 2021, 33, e2101312.	21.0	100
7	Towards single-species selectivity of membranes with subnanometre pores. Nature Nanotechnology, 2020, 15, 426-436.	31.5	389
8	Energy barriers to anion transport in polyelectrolyte multilayer nanofiltration membranes: Role of intra-pore diffusion. Journal of Membrane Science, 2020, 603, 117921.	8.2	51
9	Derivation of the Theoretical Minimum Energy of Separation of Desalination Processes. Journal of Chemical Education, 2020, 97, 4361-4369.	2.3	50
10	Controlling pore structure of polyelectrolyte multilayer nanofiltration membranes by tuning polyelectrolyte-salt interactions. Journal of Membrane Science, 2019, 581, 413-420.	8.2	65
11	Factors Associated with Water Service Continuity for the Rural Populations of Bangladesh, Pakistan, Ethiopia, and Mozambique. Environmental Science & Technology, 2019, 53, 4355-4363.	10.0	15
12	Actinia-like multifunctional nanocoagulant for single-step removal of water contaminants. Nature Nanotechnology, 2019, 14, 64-71.	31.5	89