

# Ryan M Duchanois

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4053998/publications.pdf>

Version: 2024-02-01

12  
papers

1,139  
citations

840776

11  
h-index

1125743

13  
g-index

14  
all docs

14  
docs citations

14  
times ranked

970  
citing authors

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