Mao Wang

List of Publications by Year
in descending order

15	670	1039406 9	1058022 14
papers	citations	h-index	g-index

15	15	15	671
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine Learning-Enabled Prediction and High-Throughput Screening of Polymer Membranes for Pervaporation Separation. ACS Applied Materials & Interfaces, 2022, 14, 8427-8436.	4.0	22
2	Accelerating Discovery of High Fractional Free Volume Polymers from a Data-Driven Approach. ACS Applied Materials & Interfaces, 2022, 14, 31203-31215.	4.0	8
3	Molecular Simulation Study on Molecularly Mixed Porous Organic Cage/Polymer Composite Membranes for Water Desalination and Solvent Recovery. ACS Applied Nano Materials, 2021, 4, 10378-10388.	2.4	13
4	Rapid Screening of Metalâ€“Organic Frameworks for Propane/Propylene Separation by Synergizing Molecular Simulation and Machine Learning. ACS Applied Materials & Interfaces, 2021, 13, 53454-53467.	4.0	48
5	The mixture effect on ionic selectivity and permeability of nanotubes. Nanoscale Advances, 2020, 2, 3834-3840.	2.2	1
6	Vertically Transported Graphene Oxide for Highâ€Performance Osmotic Energy Conversion. Advanced Science, 2020, 7, 2000286.	5.6	78
7	Fabrication and application of nanoporous polymer ion-track membranes. Nanotechnology, 2019, 30, 052001.	1.3	33
8	Ultrafast ion sieving using nanoporous polymeric membranes. Nature Communications, 2018, 9, 569.	5.8	197
9	Ultrafast selective ionic transport through heat-treated polyethylene terephthalate track membranes with sub-nanometer pores. Radiation Measurements, 2018, 119, 80-84.	0.7	14
10	A coupled effect of dehydration and electrostatic interactions on selective ion transport through charged nanochannels. Nanoscale, 2018, 10, 18821-18828.	2.8	56
11	Selective Ionic Transport: Highly Selective Ionic Transport through Subnanometer Pores in Polymer Films (Adv. Funct. Mater. 32/2016). Advanced Functional Materials, 2016, 26, 5947-5947.	7.8	3
12	Highly Selective Ionic Transport through Subnanometer Pores in Polymer Films. Advanced Functional Materials, 2016, 26, 5796-5803.	7.8	182
13	Highly Efficient Power Conversion from Salinity Gradients with Ion-Selective Polymeric Nanopores. Chinese Physics Letters, 2016, 33, 096103.	1.3	6
14	Influence of UV-Irradiation on Latent Tracks in Polyethylene Terephthalate Films. Chinese Physics Letters, 2016, 33, 016103.	1.3	2
15	Membrane Fouling: Microscopic Insights into the Effects of Surface Chemistry and Roughness. Advanced Theory and Simulations, 0, , 2100395.	1.3	7