Quan Liu

List of Publications by Year
in descending order

21 papers	1,269 citations	623734 14 h-index	752698 20 g-index
22 all docs	22 docs citations	22 times ranked	1523 citing authors

#	Article	IF	Citations
1	Efficient separation of (C1–C2) alcohol solutions by graphyne membranes: A molecular simulation study. Journal of Membrane Science, 2022, 644, 120139.	8.2	10
2	PDMS with Tunable Side Group Mobility and Its Highly Permeable Membrane for Removal of Aromatic Compounds. Angewandte Chemie, 2022, 134, .	2.0	2
3	Rücktitelbild: PDMS with Tunable Side Group Mobility and Its Highly Permeable Membrane for Removal of Aromatic Compounds (Angew. Chem. 6/2022). Angewandte Chemie, 2022, 134, .	2.0	0
4	PDMS with Tunable Side Group Mobility and Its Highly Permeable Membrane for Removal of Aromatic Compounds. Angewandte Chemie - International Edition, 2022, 61, .	13.8	22
5	Theoretical study on Janus graphene oxide membrane for water transport. Frontiers of Chemical Science and Engineering, 2021, 15, 913-921.	4.4	10
6	Ultrafast water‐selective permeation through graphene oxide membrane with water transport promoters. AICHE Journal, 2020, 66, e16812.	3.6	44
7	Enhanced Selective Hydrogen Permeation through Graphdiyne Membrane: A Theoretical Study. Membranes, 2020, 10, 286.	3.0	11
8	Simulation of cations separation through charged porous graphene membrane. Chemical Physics Letters, 2020, 753, 137606.	2.6	8
9	Gas permeation through double-layer graphene oxide membranes: The role of interlayer distance and pore offset. Separation and Purification Technology, 2019, 209, 419-425.	7.9	42
10	Simultaneously enhancing interfacial adhesion and pervaporation separation performance of PDMS/ceramic composite membrane via a facile substrate surface grafting approach. AICHE Journal, 2019, 65, e16773.	3.6	21
11	Molecular dynamics simulation of water-ethanol separation through monolayer graphene oxide membranes: Significant role of O/C ratio and pore size. Separation and Purification Technology, 2019, 224, 219-226.	7.9	40
12	Cation-diffusion controlled formation of thin graphene oxide composite membranes for efficient ethanol dehydration. Science China Materials, 2019, 62, 925-935.	6.3	26
13	Two-dimensional Ti_2CT_x MXene membranes with integrated and ordered nanochannels for efficient solvent dehydration. Journal of Materials Chemistry A, 2019, 7, 12095-12104.	10.3	96
14	Mixed-matrix hollow fiber composite membranes comprising of PEBA and MOF for pervaporation separation of ethanol/water mixtures. Separation and Purification Technology, 2019, 214, 2-10.	7.9	59
15	Ultrathin two-dimensional MXene membrane for pervaporation desalination. Journal of Membrane Science, 2018, 548, 548-558.	8.2	295
16	Precisely Controlling Nanochannels of Graphene Oxide Membranes through Lignin‐Based Cation Decoration for Dehydration of Biofuels. ChemSusChem, 2018, 11, 2315-2320.	6.8	33
17	2D MXene Nanofilms with Tunable Gas Transport Channels. Advanced Functional Materials, 2018, 28, 1801511.	14.9	332
18	Microporous Polyamide Membranes for Molecular Sieving of Nitrogen from Volatile Organic Compounds. Angewandte Chemie - International Edition, 2017, 56, 5755-5759.	13.8	40

#	Article	IF	Citations
19	Microporous Polyamide Membranes for Molecular Sieving of Nitrogen from Volatile Organic Compounds. Angewandte Chemie, 2017, 129, 5849-5853.	2.0	2
20	High efficient water/ethanol separation by a mixed matrix membrane incorporating MOF filler with high water adsorption capacity. Journal of Membrane Science, 2017, 544, 68-78.	8.2	116
21	Excellent Biofouling Alleviation of Thermoexfoliated Vermiculite Blended Poly(ether sulfone) Ultrafiltration Membrane. ACS Applied Materials & Interfaces, 2017, 9, 30024-30034.	8.0	60