

Quan Liu

List of Publications by Year in descending order

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Version: 2024-02-01

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	2D MXene Nanofilms with Tunable Gas Transport Channels. <i>Advanced Functional Materials</i> , 2018, 28, 1801511.	14.9	332
2	Ultrathin two-dimensional MXene membrane for pervaporation desalination. <i>Journal of Membrane Science</i> , 2018, 548, 548-558.	8.2	295
3	High efficient water/ethanol separation by a mixed matrix membrane incorporating MOF filler with high water adsorption capacity. <i>Journal of Membrane Science</i> , 2017, 544, 68-78.	8.2	116
4	Two-dimensional Ti ₂ CT _x MXene membranes with integrated and ordered nanochannels for efficient solvent dehydration. <i>Journal of Materials Chemistry A</i> , 2019, 7, 12095-12104.	10.3	96
5	Excellent Biofouling Alleviation of Thermoexfoliated Vermiculite Blended Poly(ether sulfone) Ultrafiltration Membrane. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 30024-30034.	8.0	60
6	Mixed-matrix hollow fiber composite membranes comprising of PEBA and MOF for pervaporation separation of ethanol/water mixtures. <i>Separation and Purification Technology</i> , 2019, 214, 2-10.	7.9	59
7	Ultrafast water-selective permeation through graphene oxide membrane with water transport promoters. <i>AIChE Journal</i> , 2020, 66, e16812.	3.6	44
8	Gas permeation through double-layer graphene oxide membranes: The role of interlayer distance and pore offset. <i>Separation and Purification Technology</i> , 2019, 209, 419-425.	7.9	42
9	Microporous Polyamide Membranes for Molecular Sieving of Nitrogen from Volatile Organic Compounds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5755-5759.	13.8	40
10	Molecular dynamics simulation of water-ethanol separation through monolayer graphene oxide membranes: Significant role of O/C ratio and pore size. <i>Separation and Purification Technology</i> , 2019, 224, 219-226.	7.9	40
11	Precisely Controlling Nanochannels of Graphene Oxide Membranes through Lignin-Based Cation Decoration for Dehydration of Biofuels. <i>ChemSusChem</i> , 2018, 11, 2315-2320.	6.8	33
12	Cation-diffusion controlled formation of thin graphene oxide composite membranes for efficient ethanol dehydration. <i>Science China Materials</i> , 2019, 62, 925-935.	6.3	26
13	PDMS with Tunable Side Group Mobility and Its Highly Permeable Membrane for Removal of Aromatic Compounds. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	22
14	Simultaneously enhancing interfacial adhesion and pervaporation separation performance of PDMS/ceramic composite membrane via a facile substrate surface grafting approach. <i>AIChE Journal</i> , 2019, 65, e16773.	3.6	21
15	Enhanced Selective Hydrogen Permeation through Graphdiyne Membrane: A Theoretical Study. <i>Membranes</i> , 2020, 10, 286.	3.0	11
16	Theoretical study on Janus graphene oxide membrane for water transport. <i>Frontiers of Chemical Science and Engineering</i> , 2021, 15, 913-921.	4.4	10
17	Efficient separation of (C1-C2) alcohol solutions by graphyne membranes: A molecular simulation study. <i>Journal of Membrane Science</i> , 2022, 644, 120139.	8.2	10
18	Simulation of cations separation through charged porous graphene membrane. <i>Chemical Physics Letters</i> , 2020, 753, 137606.	2.6	8

#	ARTICLE	IF	CITATIONS
19	Microporous Polyamide Membranes for Molecular Sieving of Nitrogen from Volatile Organic Compounds. <i>Angewandte Chemie</i> , 2017, 129, 5849-5853.	2.0	2
20	PDMS with Tunable Side Group Mobility and Its Highly Permeable Membrane for Removal of Aromatic Compounds. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
21	Rücktitelbild: PDMS with Tunable Side Group Mobility and Its Highly Permeable Membrane for Removal of Aromatic Compounds (<i>Angew. Chem.</i> 6/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0