

Guozhen Liu

List of Publications by Year in descending order

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20
papers

1,557
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1514
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	Molecular Bridges Stabilize Graphene Oxide Membranes in Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 1689-1695.	13.8	166
4	Two-dimensional MXene incorporated chitosan mixed-matrix membranes for efficient solvent dehydration. <i>Journal of Membrane Science</i> , 2018, 563, 625-632.	8.2	135
5	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
6	Fabrication of surface-charged MXene membrane and its application for water desalination. <i>Journal of Membrane Science</i> , 2021, 623, 119076.	8.2	95
7	Adjustable interlayer spacing of ultrathin MXene-derived membranes for ion rejection. <i>Journal of Membrane Science</i> , 2019, 591, 117350.	8.2	88
8	Pebax-Based Membrane Filled with Two-Dimensional Mxene Nanosheets for Efficient CO ₂ Capture. <i>Chemistry - an Asian Journal</i> , 2020, 15, 2364-2370.	3.3	72
9	Polyelectrolyte Functionalized Ti ₂ CT _x MXene Membranes for Pervaporation Dehydration of Isopropanol/Water Mixtures. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 4732-4741.	3.7	63
10	Tunable dextran retention of MXene-TiO ₂ mesoporous membranes by adjusting the 2D MXene content. <i>2D Materials</i> , 2018, 5, 045003.	4.4	42
11	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
12	Exclusive and fast water channels in zwitterionic graphene oxide membrane for efficient water-ethanol separation. <i>AIChE Journal</i> , 2021, 67, e17215.	3.6	24
13	Ultrathin Membranes with a Polymer/Nanofiber Interpenetrated Structure for High-Efficiency Liquid Separations. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 36717-36726.	8.0	21
14	Efficient separation of methanol/dimethyl carbonate mixtures by UiO-66 MOF incorporated chitosan mixed-matrix membrane. <i>Journal of Membrane Science</i> , 2022, 652, 120473.	8.2	20
15	Molecular Bridges Stabilize Graphene Oxide Membranes in Water. <i>Angewandte Chemie</i> , 2020, 132, 1706-1712.	2.0	17
16	UTSA-280 metal-organic framework incorporated 6FDA-polyimide mixed-matrix membranes for ethylene/ethane separation. <i>AIChE Journal</i> , 2022, 68, .	3.6	17
17	Designing highly selective and stable water transport channel through graphene oxide membranes functionalized with polyhedral oligomeric silsesquioxane for ethanol dehydration. <i>Journal of Membrane Science</i> , 2021, 638, 119675.	8.2	14
18	Two-dimensional MXene hollow fiber membrane for divalent ions exclusion from water. <i>Chinese Journal of Chemical Engineering</i> , 2022, 41, 260-266.	3.5	12

#	ARTICLE	IF	CITATIONS
19	MIL-101(Cr) Microporous Nanocrystals Intercalating Graphene Oxide Membrane for Efficient Hydrogen Purification. Chemistry - an Asian Journal, 2021, 16, 3162-3169.	3.3	11
20	Methanol/dimethyl carbonate separation using graphene oxide membrane via cationic control of molecular transport channels. Journal of Membrane Science, 2022, 650, 120457.	8.2	11