

Xingya Li

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,949
citations

331259

21
h-index

454577

30
g-index

30
all docs

30
docs citations

30
times ranked

1892
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfate radicals induced from peroxymonosulfate by cobalt manganese oxides (Co x Mn 3â”x O 4) for Fenton-Like reaction in water. <i>Journal of Hazardous Materials</i> , 2015, 296, 128-137.	6.5	363
2	Efficient metal ion sieving in rectifying subnanochannels enabled by metalâ€“organic frameworks. <i>Nature Materials</i> , 2020, 19, 767-774.	13.3	275
3	Fast and selective fluoride ion conduction in sub-1-nanometer metal-organic framework channels. <i>Nature Communications</i> , 2019, 10, 2490.	5.8	158
4	Efficient Ion Sieving in Covalent Organic Framework Membranes with Subâ€“Nanometer Channels. <i>Advanced Materials</i> , 2021, 33, e2104404.	11.1	131
5	Angstrom-scale ion channels towards single-ion selectivity. <i>Chemical Society Reviews</i> , 2022, 51, 2224-2254.	18.7	116
6	Second interfacial polymerization on polyamide surface using aliphatic diamine with improved performance of TFC FO membranes. <i>Journal of Membrane Science</i> , 2016, 498, 30-38.	4.1	75
7	Thin-Film Composite Membrane with Interlayer Decorated Metalâ€“Organic Framework UiO-66 toward Enhanced Forward Osmosis Performance. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 195-206.	1.8	73
8	Unidirectional and Selective Proton Transport in Artificial Heterostructured Nanochannels with Nanoâ€“Subnano Confined Water Clusters. <i>Advanced Materials</i> , 2020, 32, e2001777.	11.1	72
9	Efficient Gating of Ion Transport in Threeâ€“Dimensional Metalâ€“Organic Framework Subâ€“Nanochannels with Confined Lightâ€“Responsive Azobenzene Molecules. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13051-13056.	7.2	70
10	Highly Ion-Permselective Porous Organic Cage Membranes with Hierarchical Channels. <i>Journal of the American Chemical Society</i> , 2022, 144, 10220-10229.	6.6	67
11	Non-swelling graphene oxide-polymer nanocomposite membrane for reverse osmosis desalination. <i>Journal of Membrane Science</i> , 2018, 562, 47-55.	4.1	64
12	Pyrite-type ruthenium disulfide with tunable disorder and defects enables ultra-efficient overall water splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14222-14232.	5.2	50
13	Cationic covalent organic framework membranes for efficient dye/salt separation. <i>Journal of Membrane Science</i> , 2022, 644, 120118.	4.1	50
14	Cyclodextrin metal-organic framework-polymer composite membranes towards ultimate and stable enantioselectivity. <i>Journal of Membrane Science</i> , 2021, 620, 118956.	4.1	42
15	Sulfonated Sub-1-nm Metalâ€“Organic Framework Channels with Ultrahigh Proton Selectivity. <i>Journal of the American Chemical Society</i> , 2020, 142, 9827-9833.	6.6	41
16	Multifunctional metal organic framework and carbon nanotube-modified filter for combined ultrafine dust capture and SO ₂ dynamic adsorption. <i>Environmental Science: Nano</i> , 2018, 5, 3023-3031.	2.2	37
17	Carbon Nanotube Networks as Nanoscaffolds for Fabricating Ultrathin Carbon Molecular Sieve Membranes. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20182-20188.	4.0	33
18	Spray-deposited thin-film composite MOFs membranes for dyes removal. <i>Journal of Membrane Science</i> , 2021, 635, 119475.	4.1	30

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19	Novel Poly(ester amide) Membranes with Tunable Crosslinked Structures for Nanofiltration. ACS Applied Materials & Interfaces, 2022, 14, 10782-10792.	4.0	30
20	Metal-Organic Framework-Based Ion-Selective Membranes. Advanced Materials Technologies, 2021, 6, 2000790.	3.0	28
21	Bioinspired Self-Gating Nanofluidic Devices for Autonomous and Periodic Ion Transport and Cargo Release. Advanced Functional Materials, 2019, 29, 1806416.	7.8	26
22	Ion-Coe-distillation for isolating lithium from lake brine. AIChE Journal, 2022, 68, .	1.8	26
23	Effect of Anion Species on Ion Current Rectification Properties of Positively Charged Nanochannels. ACS Applied Materials & Interfaces, 2020, 12, 28915-28922.	4.0	21
24	Tannic acid coating and <i>in situ</i> deposition of silver nanoparticles to improve the antifouling properties of an ultrafiltration membrane. Journal of Applied Polymer Science, 2019, 136, 47314.	1.3	18
25	The preparation and application of a low-cost multi-channel tubular inorganic-organic composite microfiltration membrane. Separation and Purification Technology, 2015, 151, 131-138.	3.9	13
26	Monovalent Cation-Phenolic Crystals with pH-Driven Reversible Crystal Transformation. Chemistry - A European Journal, 2019, 25, 12281-12287.	1.7	11
27	Soluble polymeric metal-organic frameworks toward crystalline membranes for efficient cation separation. Journal of Membrane Science, 2021, 639, 119757.	4.1	8
28	<i>In situ</i> interfacial polymerization endows surface enrichment of -COOH groups on anion exchange membranes for efficient Cl ⁻ /SO ₄ ²⁻ separation. Journal of Polymer Science, 2022, 60, 3022-3034.	2.0	8
29	Efficient Gating of Ion Transport in Three-Dimensional Metal-Organic Framework Sub-Nanochannels with Confined Light-Responsive Azobenzene Molecules. Angewandte Chemie, 2020, 132, 13151-13156.	1.6	7
30	Polyamide-Based Electronanofiltration Membranes for Efficient Anion Separation. Industrial & Engineering Chemistry Research, 2022, 61, 9869-9878.	1.8	6