

Yanqiu Zhang

List of Publications by Year in descending order

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14
papers

1,111
citations

623734

14
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

1071
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecularly soldered covalent organic frameworks for ultrafast precision sieving. <i>Science Advances</i> , 2021, 7, .	10.3	185
2	Robust natural nanocomposites realizing unprecedented ultrafast precise molecular separations. <i>Materials Today</i> , 2020, 36, 40-47.	14.2	180
3	Ultra-thin trinity coating enabled by competitive reactions for unparalleled molecular separation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5078-5085.	10.3	103
4	Symbiosis-inspired de novo synthesis of ultrahigh MOF growth mixed matrix membranes for sustainable carbon capture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	99
5	Rational design of poly(ethylene oxide) based membranes for sustainable CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2020, 8, 24233-24252.	10.3	94
6	Building Additional Passageways in Polyamide Membranes with Hydrostable Metal Organic Frameworks To Recycle and Remove Organic Solutes from Various Solvents. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38877-38886.	8.0	93
7	Supramolecular chemistry assisted construction of ultra-stable solvent-resistant membranes for angstrom-sized molecular separation. <i>Chemical Engineering Journal</i> , 2019, 371, 535-543.	12.7	91
8	Recent progress in PIM-1 based membranes for sustainable CO ₂ separations: Polymer structure manipulation and mixed matrix membrane design. <i>Separation and Purification Technology</i> , 2022, 284, 120277.	7.9	64
9	Multifunctional Core-Shell Zwitterionic Nanoparticles To Build Robust, Stable Antifouling Membranes via Magnetic-Controlled Surface Segregation. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35501-35508.	8.0	52
10	Metal-organophosphate biphasic interfacial coordination reaction synthesizing nanofiltration membranes with the ultrathin selective layer, excellent acid-resistance and antifouling performance. <i>Journal of Membrane Science</i> , 2022, 653, 120521.	8.2	48
11	Mussel-inspired tannic acid/polyethyleneimine assembling positively-charged membranes with excellent cation permselectivity. <i>Science of the Total Environment</i> , 2022, 817, 153051.	8.0	44
12	Recent advances in monovalent ion selective membranes towards environmental remediation and energy harvesting. <i>Separation and Purification Technology</i> , 2022, 297, 121520.	7.9	22
13	Hydrophilic modification of poly(aryl sulfone) membrane materials toward highly-efficient environmental remediation. <i>Frontiers of Chemical Science and Engineering</i> , 2022, 16, 614-633.	4.4	19
14	Monovalent Cation Exchange Membranes with Janus Charged Structure for Ion Separation. <i>Engineering</i> , 2023, 25, 204-213.	6.7	17