

Madhavan Karunakaran

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

12
papers

913
citations

10
h-index

12
g-index

12
ext. papers

1,097
ext. citations

13.3
avg, IF

3.83
L-index

#	Paper	IF	Citations
12	Switchable pH-responsive polymeric membranes prepared via block copolymer micelle assembly. <i>ACS Nano</i> , 2011 , 5, 3516-22	16.7	241
11	Selective separation of similarly sized proteins with tunable nanoporous block copolymer membranes. <i>ACS Nano</i> , 2013 , 7, 768-76	16.7	202
10	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H ₂ S and CO from Natural Gas. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 14811-14816	16.4	111
9	From micelle supramolecular assemblies in selective solvents to isoporous membranes. <i>Langmuir</i> , 2011 , 27, 10184-90	4	92
8	Solution processable metal-organic frameworks for mixed matrix membranes using porous liquids. <i>Nature Materials</i> , 2020 , 19, 1346-1353	27	78
7	Isoporous PS-b-PEO ultrafiltration membranes via self-assembly and water-induced phase separation. <i>Journal of Membrane Science</i> , 2014 , 453, 471-477	9.6	67
6	Polydopamine/Cysteine surface modified isoporous membranes with self-cleaning properties. <i>Journal of Membrane Science</i> , 2017 , 529, 185-194	9.6	46
5	Polyanionic pH-responsive polystyrene-b-poly(4-vinyl pyridine-N-oxide) isoporous membranes. <i>Journal of Membrane Science</i> , 2016 , 501, 161-168	9.6	35
4	Rational design of mixed-matrix metal-organic framework membranes for molecular separations. <i>Science</i> , 2022 , 376, 1080-1087	33.3	18
3	Nanostructured double hydrophobic poly(styrene-b-methyl methacrylate) block copolymer membrane manufactured via a phase inversion technique. <i>RSC Advances</i> , 2016 , 6, 29064-29071	3.7	10
2	Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H ₂ S and CO ₂ from Natural Gas. <i>Angewandte Chemie</i> , 2018 , 130, 15027-15032	3.6	10
1	MOF mixed matrix membranes for CO ₂ separation 2020 , 331-355		3