# Madhavan Karunakaran

## List of Publications by Year in Descending Order



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|---|---|---|---|
| 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 | Rational design of mixed-matrix metal-organic framework membranes for molecular separations. *Science*, **2022**, 376, 1080-1087 | 33.3 | 18 |
| 11 | MOF mixed matrix membranes for CO2 separation **2020**, 331-355 | | 3 |
| 10 | Solution processable metal-organic frameworks for mixed matrix membranes using porous liquids. *Nature Materials*, **2020**, 19, 1346-1353 | 27 | 78 |
| 9 | Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H S and CO from Natural Gas. *Angewandte Chemie - International Edition*, **2018**, 57, 14811-14816 | 16.4 | 111 |
| 8 | Enabling Fluorinated MOF-Based Membranes for Simultaneous Removal of H2S and CO2 from Natural Gas. *Angewandte Chemie*, **2018**, 130, 15027-15032 | 3.6 | 10 |
| 7 | Polydopamine/Cysteine surface modified isoporous membranes with self-cleaning properties. *Journal of Membrane Science*, **2017**, 529, 185-194 | 9.6 | 46 |
| 6 | Polyanionic pH-responsive polystyrene-b-poly(4-vinyl pyridine-N-oxide) isoporous membranes. *Journal of Membrane Science*, **2016**, 501, 161-168 | 9.6 | 35 |
| 5 | Nanostructured double hydrophobic poly(styrene-b-methyl methacrylate) block copolymer membrane manufactured via a phase inversion technique. *RSC Advances*, **2016**, 6, 29064-29071 | 3.7 | 10 |
| 4 | Isoporous PS-b-PEO ultrafiltration membranes via self-assembly and water-induced phase separation. *Journal of Membrane Science*, **2014**, 453, 471-477 | 9.6 | 67 |
| 3 | Selective separation of similarly sized proteins with tunable nanoporous block copolymer membranes. *ACS Nano*, **2013**, 7, 768-76 | 16.7 | 202 |
| 2 | From micelle supramolecular assemblies in selective solvents to isoporous membranes. *Langmuir*, **2011**, 27, 10184-90 | 4 | 92 |
| 1 | Switchable pH-responsive polymeric membranes prepared via block copolymer micelle assembly. *ACS Nano*, **2011**, 5, 3516-22 | 16.7 | 241 |