Stefan J D Smith

List of Publications by Year
in descending order

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24 papers	872 citations	516710 16 h-index	610901 24 g-index
28 all docs	28 docs citations	28 times ranked	1163 citing authors

#	Article	IF	Citations
1	Underlying solvent-based factors that influence permanent porosity in porous liquids. Nano Research, 2022, 15, 3533-3538.	10.4	8
2	Practical considerations in the design and use of porous liquids. Materials Horizons, 2022, 9, 1577-1601.	12.2	23
3	Synergistically improved PIM-1 membrane gas separation performance by PAF-1 incorporation and UV irradiation. Journal of Materials Chemistry A, 2022, 10, 10107-10119.	10.3	20
4	Porous solid inspired hyper-crosslinked polymer liquids with highly efficient regeneration for gas purification. Science China Materials, 2022, 65, 1937-1942.	6.3	3
5	Underlying Polar and Nonpolar Modification MOF-Based Factors that Influence Permanent Porosity in Porous Liquids. ACS Applied Materials & Interfaces, 2022, 14, 23392-23399.	8.0	11
6	Construction of ultrathin PTMSP/Porous nanoadditives membranes for highly efficient organic solvent nanofiltration (OSN). Journal of Membrane Science, 2021, 620, 118911.	8.2	15
7	Enhancing polyimide-based mixed matrix membranes performance for CO2 separation containing PAF-1 and p-DCX. Separation and Purification Technology, 2021, 268, 118677.	7.9	14
8	Long-term stable metal organic framework (MOF) based mixed matrix membranes for ultrafiltration. Journal of Membrane Science, 2021, 635, 119339.	8.2	52
9	Tailoring molecular interactions between microporous polymers in high performance mixed matrix membranes for gas separations. Nanoscale, 2020, 12, 17405-17410.	5.6	18
10	Core hyper-cross-linked star polymers from block polymer micelle precursors. Polymer Chemistry, 2020, 11, 7178-7184.	3.9	8
11	Greatly Enhanced Gas Selectivity in Mixed-Matrix Membranes through Size-Controlled Hyper-cross-linked Polymer Additives. Industrial & Engineering Chemistry Research, 2020, 59, 13773-13782.	3.7	19
12	Control of Physical Aging in Super-Glassy Polymer Mixed Matrix Membranes. Accounts of Chemical Research, 2020, 53, 1381-1388.	15.6	35
13	Highly permeable and selective mixed-matrix membranes for hydrogen separation containing PAF-1. Journal of Materials Chemistry A, 2020, 8, 14713-14720.	10.3	30
14	Solvation Effects on the Permeation and Aging Performance of PIM-1-Based MMMs for Gas Separation. ACS Applied Materials & Interfaces, 2019, 11, 6502-6511.	8.0	43
15	Efficient delivery of oxygen via magnetic framework composites. Journal of Materials Chemistry A, 2019, 7, 3790-3796.	10.3	15
16	Highly permeable Thermally Rearranged Mixed Matrix Membranes (TR-MMM). Journal of Membrane Science, 2019, 585, 260-270.	8.2	47
17	Aluminum fumarate MOF/PVDF hollow fiber membrane for enhancement of water flux and thermal efficiency in direct contact membrane distillation. Journal of Membrane Science, 2019, 588, 117204.	8.2	64
18	Microporous carbon from fullerene impregnated porous aromatic frameworks for improving the desalination performance of thin film composite forward osmosis membranes. Journal of Materials Chemistry A, 2018, 6, 11327-11336.	10.3	37

#	Article	IF	Citations
19	Building Additional Passageways in Polyamide Membranes with Hydrostable Metal Organic Frameworks To Recycle and Remove Organic Solutes from Various Solvents. ACS Applied Materials & Interfaces, 2017, 9, 38877-38886.	8.0	93
20	Highly fouling-resistant brominated poly(phenylene oxide) membranes using surface grafted diethylenetriamine. RSC Advances, 2017, 7, 37324-37330.	3.6	5
21	Post-Synthetic Annealing: Linker Self-Exchange in UiO-66 and Its Effect on Polymerâ€“Metal Organic Framework Interaction. Crystal Growth and Design, 2017, 17, 4384-4392.	3.0	37
22	Framework-mediated synthesis of highly microporous onion-like carbon: energy enhancement in supercapacitors without compromising power. Journal of Materials Chemistry A, 2017, 5, 2519-2529.	10.3	42
23	Physical aging in glassy mixed matrix membranes; tuning particle interaction for mechanically robust nanocomposite films. Journal of Materials Chemistry A, 2016, 4, 10627-10634.	10.3	62
24	Post-synthetic Ti Exchanged UiO-66 Metal-Organic Frameworks that Deliver Exceptional Gas Permeability in Mixed Matrix Membranes. Scientific Reports, 2015, 5, 7823.	3.3	168