Su-Young Moon

List of Publications by Year
in descending order

23 papers	1,829 citations	567281 15 h-index	610901 24 g-index
25 all docs	25 docs citations	25 times ranked	2207 citing authors

#	Article	IF	Citations
1	Instantaneous Hydrolysis of Nerveâ€Agent Simulants with a Sixâ€Connected Zirconiumâ€Based Metalâ€“Organic Framework. Angewandte Chemie - International Edition, 2015, 54, 6795-6799.	13.8	338
2	Exploiting parameter space in MOFs: a 20-fold enhancement of phosphate-ester hydrolysis with UiO-66-NH₂. Chemical Science, 2015, 6, 2286-2291.	7.4	265
3	Mechanochemical and solvent-free assembly of zirconium-based metalâ€“organic frameworks. Chemical Communications, 2016, 52, 2133-2136.	4.1	256
4	Dual-Function Metalâ€“Organic Framework as a Versatile Catalyst for Detoxifying Chemical Warfare Agent Simulants. ACS Nano, 2015, 9, 12358-12364.	14.6	207
5	Tailoring the Pore Size and Functionality of UiO-Type Metalâ€“Organic Frameworks for Optimal Nerve Agent Destruction. Inorganic Chemistry, 2015, 54, 9684-9686.	4.0	157
6	Effective, Facile, and Selective Hydrolysis of the Chemical Warfare Agent VX Using Zr₆-Based Metalâ€“Organic Frameworks. Inorganic Chemistry, 2015, 54, 10829-10833.	4.0	132
7	Detoxification of Chemical Warfare Agents Using a Zr₆â€Based Metalâ€“Organic Framework/Polymer Mixture. Chemistry - A European Journal, 2016, 22, 14864-14868.	3.3	93
8	One Step Backward Is Two Steps Forward: Enhancing the Hydrolysis Rate of UiO-66 by Decreasing [OH^{â€“}]. ACS Catalysis, 2015, 5, 4637-4642.	11.2	84
9	Organic Solâ€“Gel Synthesis: Solutionâ€Processable Microporous Organic Networks. Angewandte Chemie - International Edition, 2010, 49, 9504-9508.	13.8	79
10	A visually detectable pH responsive zirconium metalâ€“organic framework. Chemical Communications, 2016, 52, 3438-3441.	4.1	57
11	Polyurea networks via organic solâ€“gel crosslinking polymerization of tetrafunctional amines and diisocyanates and their selective adsorption and filtration of carbon dioxide. Polymer Chemistry, 2014, 5, 1124.	3.9	35
12	Organic solâ€“gel synthesis of microporous molecular networks containing spirobifluorene and tetraphenylmethane nodes. Journal of Polymer Science Part A, 2013, 51, 1758-1766.	2.3	18
13	Carbon dioxide absorption by hydroxyalkyl amidines impregnated into mesoporous silica: the effect of pore morphology and absorbent loading. RSC Advances, 2014, 4, 1543-1550.	3.6	17
14	In situ Generation of Reticulate Micropores through Covalent Network/Polymer Nanocomposite Membranes for Reverseâ€Selective Separation of Carbon Dioxide. Angewandte Chemie - International Edition, 2016, 55, 1318-1323.	13.8	17
15	Bicontinuous Nanoporous Frameworks: Caged Longevity for Enzymes. Angewandte Chemie - International Edition, 2016, 55, 11495-11498.	13.8	15
16	Mixed-matrix membrane reactors for the destruction of toxic chemicals. Journal of Membrane Science, 2020, 605, 118112.	8.2	14
17	In situ Generation of Reticulate Micropores through Covalent Network/Polymer Nanocomposite Membranes for Reverseâ€Selective Separation of Carbon Dioxide. Angewandte Chemie, 2016, 128, 1340-1345.	2.0	9
18	Ultrathin Water-Cast Polymer Membranes for Hydrogen Purification. ACS Applied Materials & Interfaces, 2022, 14, 7292-7300.	8.0	9

#	Article	IF	Citations
19	Thermo-processable covalent scaffolds with reticular hierarchical porosity and their high efficiency capture of carbon dioxide. Journal of Materials Chemistry A, 2015, 3, 14871-14875.	10.3	8
20	Desensitization of high explosives by encapsulation in metal-organic frameworks. Chemical Engineering Journal, 2021, 407, 127882.	12.7	5
21	Titelbild: Organic Sol-Gel Synthesis: Solution-Processable Microporous Organic Networks (Angew.) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	1
22	Bicontinuous Nanoporous Frameworks: Caged Longevity for Enzymes. Angewandte Chemie, 2016, 128, 11667-11670.	2.0	1
23	Rearranged Copolyurea Networks for Selective Carbon Dioxide Adsorption at Room Temperature. Polymers, 2021, 13, 4004.	4.5	1