Sunho Choi

List of Publications by Year
in descending order

20 papers	4,349 citations	516710 16 h-index	713466 21 g-index
22 all docs	22 docs citations	22 times ranked	4466 citing authors

#	Article	IF	Citations
1	Synthesis of a novel amorphous metal organic framework with hierarchical porosity for adsorptive gas separation. Microporous and Mesoporous Materials, 2021, 310, 110600.	4.4	27
2	Flexible amorphous metalâ€“organic frameworks with Ï€ Lewis acidic pore surface for selective adsorptive separations. Dalton Transactions, 2021, 50, 3145-3154.	3.3	9
3	Electro- and photoelectro-catalysts derived from bimetallic amorphous metalâ€“organic frameworks. Catalysis Science and Technology, 2020, 10, 8265-8282.	4.1	13
4	Rational Synthesis of a Hierarchical Supramolecular Porous Material Created via Self-Assembly of Metalâ€“Organic Framework Nanosheets. Inorganic Chemistry, 2020, 59, 3983-3992.	4.0	16
5	Generation and use of a pure titanium pillared MCM-36 structure as a high efficiency carbon dioxide capture platform and amine loaded solid adsorbent. Microporous and Mesoporous Materials, 2019, 280, 151-156.	4.4	9
6	Pore structureâ€“CO₂ adsorption property relations of supported amine materials with multi-pore networks. Journal of Materials Chemistry A, 2017, 5, 8526-8536.	10.3	20
7	Effect of the structural constituents of metal organic frameworks onÂcarbon dioxide capture. Microporous and Mesoporous Materials, 2016, 219, 276-305.	4.4	75
8	Functionalization of Metalâ€“Organic Frameworks for Enhanced Stability under Humid Carbon Dioxide Capture Conditions. ChemSusChem, 2015, 8, 3405-3409.	6.8	35
9	Effect of Pore Structure on CO₂ Adsorption Characteristics of Aminopolymer Impregnated MCM-36. Langmuir, 2015, 31, 4534-4541.	3.5	43
10	Amineâ€“Oxide Hybrid Materials for CO₂ Capture from Ambient Air. Accounts of Chemical Research, 2015, 48, 2680-2687.	15.6	222
11	Modification of the Mg/DOBDC MOF with Amines to Enhance CO₂ Adsorption from Ultradilute Gases. Journal of Physical Chemistry Letters, 2012, 3, 1136-1141.	4.6	273
12	Effect of support structure on CO2 adsorption properties of pore-expanded hyperbranched aminosilicas. Microporous and Mesoporous Materials, 2012, 151, 231-240.	4.4	59
13	Application of Amine-Tethered Solid Sorbents for Direct CO₂ Capture from the Ambient Air. Environmental Science & Technology, 2011, 45, 2420-2427.	10.0	385
14	Oxidative Degradation of Aminosilica Adsorbents Relevant to Postcombustion CO₂ Capture. Energy & Fuels, 2011, 25, 2416-2425.	5.1	154
15	Amineâ€Tethered Solid Adsorbents Coupling High Adsorption Capacity and Regenerability for CO₂ Capture From Ambient Air. ChemSusChem, 2011, 4, 628-635.	6.8	281
16	Structural Changes of Silica Mesocellular Foam Supported Amine-Functionalized CO₂ Adsorbents Upon Exposure to Steam. ACS Applied Materials & Interfaces, 2010, 2, 3363-3372.	8.0	144
17	Synthesisâ€“Structureâ€“Property Relationships for Hyperbranched Aminosilica CO₂ Adsorbents. Advanced Functional Materials, 2009, 19, 3821-3832.	14.9	263
18	Adsorbent Materials for Carbon Dioxide Capture from Large Anthropogenic Point Sources. ChemSusChem, 2009, 2, 796-854.	6.8	2,178

#	Article	IF	Citations
19	Layered Silicates by Swelling of AMHâ€3 and Nanocomposite Membranes. Angewandte Chemie - International Edition, 2008, 47, 552-555.	13.8	107
20	Layered silicate by proton exchange and swelling of AMH-3. Microporous and Mesoporous Materials, 2008, 115, 75-84.	4.4	25