

Sangil Han

List of Publications by Year in descending order

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15
papers

478
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949033

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1113639

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728
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#	ARTICLE	IF	CITATIONS
1	Bimetallic UTSA-16 (Zn, X; X= Mg, Mn, Cu) metal organic framework developed by a microwave method with improved CO ₂ capture performances. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 111, 346-355.	2.9	12
2	Electrospun fiber mats with multistep seeded growth of UTSA-16 metal organic frameworks by microwave reaction with excellent CO ₂ capture performance. <i>Microporous and Mesoporous Materials</i> , 2021, 323, 111233.	2.2	20
3	Enhanced CO ₂ capture capacity of amine-functionalized MOF-177 metal organic framework. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105523.	3.3	60
4	Controllable Synthesis of 1, 3, 5-tris (1H-benzo[d]imidazole-2-yl) Benzene-Based MOFs. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9856.	1.3	9
5	Metal organic frameworks immobilized polyacrylonitrile fiber mats with polyethyleneimine impregnation for CO ₂ capture. <i>Microporous and Mesoporous Materials</i> , 2020, 296, 110006.	2.2	35
6	Extraction and determination of pesticide residues in water using carbon nanotubes coupled with gas chromatography-mass spectroscopy. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 1042-1049.	1.2	4
7	Novel metal-organic framework of UTSA-16 (Zn) synthesized by a microwave method: Outstanding performance for CO ₂ capture with improved stability to acid gases. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 87, 250-263.	2.9	27
8	Catalytic Decolorization of Rhodamine B, Congo Red, and Crystal Violet Dyes, with a Novel Niobium Oxide Anchored Molybdenum (Nb-O-Mo). <i>Catalysts</i> , 2020, 10, 491.	1.6	13
9	Impacts of secondary solvents on morphology and charge transport of conjugated polymer thin films. <i>Organic Electronics</i> , 2020, 81, 105688.	1.4	6
10	A microwave method for the rapid crystallization of UTSA-16 with improved performance for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2019, 371, 813-820.	6.6	20
11	ZnO Microfiltration Membranes for Desalination by a Vacuum Flow-Through Evaporation Method. <i>Membranes</i> , 2019, 9, 156.	1.4	2
12	CO ₂ capture using amine-functionalized bimetallic MIL-101 MOFs and their stability on exposure to humid air and acid gases. <i>Microporous and Mesoporous Materials</i> , 2019, 277, 253-260.	2.2	54
13	Removal of volatile organic compounds from air using activated carbon impregnated cellulose acetate electrospun mats. <i>Environmental Engineering Research</i> , 2019, 24, 600-607.	1.5	16
14	MOF stability and gas adsorption as a function of exposure to water, humid air, SO ₂ , and NO ₂ . <i>Microporous and Mesoporous Materials</i> , 2013, 173, 86-91.	2.2	94
15	High-Throughput Screening of Metal-Organic Frameworks for CO ₂ Separation. <i>ACS Combinatorial Science</i> , 2012, 14, 263-267.	3.8	106