

Qi Shi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42
papers

1,028
citations

16
h-index

31
g-index

46
ext. papers

1,259
ext. citations

5.1
avg, IF

4.65
L-index

#	Paper	IF	Citations
42	Understanding the KOH activation mechanism of zeolitic imidazolate framework-derived porous carbon and their corresponding furfural/acetic acid adsorption separation performance. <i>Chemical Engineering Journal</i> , 2022 , 428, 132016	14.7	4
41	Adsorptive separation of butanol, acetone and ethanol in zeolite imidazolate frameworks with desirable pore apertures. <i>Chemical Engineering Science</i> , 2021 , 248, 117251	4.4	1
40	One pot synthesis of lanthanide-iron-sodium trimetallic metal-organic frameworks as anode materials for lithium-ion batteries. <i>Journal of Solid State Chemistry</i> , 2021 , 122786	3.3	6
39	Synthesis, structure and lithium storage performance of a copper-molybdenum complex polymer based on 4,4'-bipyridine. <i>Journal of Solid State Chemistry</i> , 2021 , 298, 122105	3.3	7
38	The activation of Co-MOF-74 with open metal sites and their corresponding CO/N ₂ adsorptive separation performance. <i>Microporous and Mesoporous Materials</i> , 2021 , 320, 111109	5.3	1
37	Synthesis and structure of a bismuth-cobalt bimetal coordination polymer for green efficient photocatalytic degradation of organic wastes under visible light. <i>Journal of Molecular Structure</i> , 2021 , 1230, 129636	3.4	10
36	Highly efficient CoO/CeO heterostructure as anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021 , 585, 705-715	9.3	53
35	Synthesis of a new ATN-type zeolitic imidazolate framework through cooperative effects of N,N-dipropylformamide and n-butylamine. <i>CrystEngComm</i> , 2021 , 23, 3429-3433	3.3	2
34	Adsorptive Separation of Furfural/5-Hydroxymethylfurfural in MAF-5 with Ellipsoidal Pores. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 11734-11742	3.9	9
33	One-pot synthesis of SIB@ZIF-8 with enhanced anti-corrosion properties and excellent lubrication properties. <i>Tribology International</i> , 2020 , 151, 106491	4.9	7
32	Application of NiO-modified NiCo ₂ O ₄ hollow spheres for high performance lithium ion batteries and supercapacitors. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154954	5.7	18
31	Bimetallic coordination polymer composites: A new choice of electrode materials for lithium ion batteries. <i>Solid State Ionics</i> , 2020 , 350, 115310	3.3	25
30	Performance of Fire Extinguishing Gel with Strong Stability for Coal Mine. <i>Combustion Science and Technology</i> , 2020 , 1-17	1.5	5
29	Understanding the characteristics of water adsorption in zeolitic imidazolate framework-derived porous carbon materials. <i>Chemical Engineering Journal</i> , 2020 , 379, 122412	14.7	15
28	Effective CH ₄ enrichment from N ₂ by SIM-1 via a strong adsorption potential SOD cage. <i>Separation and Purification Technology</i> , 2020 , 230, 115850	8.3	18
27	Cu powder decorated 3D Mn-MOF with excellent electrochemical properties for supercapacitors. <i>Inorganica Chimica Acta</i> , 2020 , 508, 119629	2.7	25
26	Investigation of Methane Adsorption in Strained IRMOF-1. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 24592-24597	3.8	4

25	Tribological Properties of Typical Zeolitic Imidazolate Frameworks as Grease-Based Lubricant Additives. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 1668-1677	1.6	2
24	A combined experimental-computational investigation on water adsorption in various ZIFs with the SOD and RHO topologies.. <i>RSC Advances</i> , 2018 , 8, 39627-39634	3.7	15
23	Adsorption breakthrough behavior of 1-butanol from an ABE model solution with high-silica zeolite: Comparison with zeolitic imidazolate frameworks (ZIF-8). <i>Microporous and Mesoporous Materials</i> , 2017 , 243, 119-129	5.3	16
22	Solution-Mediated Transformation of a 1D [Zn(Im)(HIm) ₂ (OAc)] Precursor to Several Different 3D Zn(Im) ₂ Frameworks. <i>Chinese Journal of Chemistry</i> , 2017 , 35, 1086-1090	4.9	1
21	The synthesis and tribological properties of small- and large-sized crystals of zeolitic imidazolate framework-71. <i>RSC Advances</i> , 2016 , 6, 18052-18059	3.7	9
20	Synthesis and Structural Characterization of a Two-Dimensional Magnesium Acetate, Mg ₇ (OH) ₂ (OAc) ₁₂ (H ₂ O) ₄ ·4H ₂ O, a Precursor to Three-Dimensional Porous Magnesium Acetate. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 3299-3304	2.3	0
19	Zeolite CAN and AFI-Type Zeolitic Imidazolate Frameworks with Large 12-Membered Ring Pore Openings Synthesized Using Bulky Amides as Structure-Directing Agents. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16232-16235	16.4	39
18	Adsorptive separation performance of 1-butanol onto typical hydrophobic zeolitic imidazolate frameworks (ZIFs). <i>CrystEngComm</i> , 2016 , 18, 3842-3849	3.3	22
17	Zn ₁₀ (Im) ₂₀ [4DBF]: an unprecedented 10-nodal zeolitic topology with a 10-MR channel and 10 crystallographically independent Zn atoms. <i>Chemical Communications</i> , 2015 , 51, 1131-4	5.8	9
16	A single precursor approach for ZIF synthesis: transformation of a new 1D [Zn(Im)(HIm) ₂ (OAc)] structure to 3D Zn(Im) ₂ frameworks. <i>CrystEngComm</i> , 2015 , 17, 3998-4005	3.3	3
15	Synthesis and Tribological Properties of Zeolitic Imidazolate Framework-8 Nanocrystals and Microcrystals. <i>Asian Journal of Chemistry</i> , 2015 , 27, 81-84	0.4	5
14	Simultaneous spray self-assembly of highly loaded ZIF-8-PDMS nanohybrid membranes exhibiting exceptionally high biobutanol-permselective pervaporation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 5578-82	16.4	133
13	Spies Within Metal-Organic Frameworks: Investigating Metal Centers Using Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 23728-23744	3.8	46
12	Simultaneous Spray Self-Assembly of Highly Loaded ZIF-8/PDMS Nanohybrid Membranes Exhibiting Exceptionally High Biobutanol-Permselective Pervaporation. <i>Angewandte Chemie</i> , 2014 , 126, 5684-5688	3.6	17
11	Vapor-assisted conversion synthesis of prototypical zeolitic imidazolate framework-8. <i>Journal of Coordination Chemistry</i> , 2013 , 66, 2079-2090	1.6	10
10	Utilization of Zeolite Imidazolate Framework as an Adsorbent for the Removal of Dye from Aqueous Solution. <i>Asian Journal of Chemistry</i> , 2013 , 25, 8324-8328	0.4	23
9	Characterization of Zn-containing metal-organic frameworks by solid-state ⁶⁷ Zn NMR spectroscopy and computational modeling. <i>Chemistry - A European Journal</i> , 2012 , 18, 12251-9	4.8	56
8	Controlled synthesis of hierarchical zeolitic imidazolate framework-GIS (ZIF-GIS) architectures. <i>CrystEngComm</i> , 2012 , 14, 8280	3.3	19

7	Hydrothermal Synthesis of Pure-Phase Copper Silicate $\text{Na}_2\text{Cu}_2\text{Si}_4\text{O}_{11}\cdot 2\text{H}_2\text{O}$ with Ammonia as Complexing Agent. <i>European Journal of Inorganic Chemistry</i> , 2011 , 2011, 2112-2117	2.3	2
6	Synthesis of ZIF-8 and ZIF-67 by Steam-Assisted Conversion and an Investigation of Their Tribological Behaviors. <i>Angewandte Chemie</i> , 2011 , 123, 698-701	3.6	73
5	Synthesis of ZIF-8 and ZIF-67 by steam-assisted conversion and an investigation of their tribological behaviors. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 672-5	16.4	308
4	Cooperative structure-directing effects in the synthesis of a low-silica zeolite phillipsite analogue. <i>Microporous and Mesoporous Materials</i> , 2009 , 121, 152-157	5.3	3
3	Tris(ethyl-enediamine)zinc(II) hexa-fluorido-silicate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, m1522		3
2	Synthesis and characterization of zeolite Li β from $\text{Li}_2\text{O}\cdot\text{Al}_2\text{O}_3\cdot 5\text{SiO}_2\cdot 2\text{H}_2\text{O}$. <i>Studies in Surface Science and Catalysis</i> , 2008 , 185-188	1.8	3
1	The Influence of UiO-bpy Skeleton for the Direct Methane-to-Methanol Conversion on Cu@UiO-bpy: Importance of the Encapsulation Effect. <i>ChemCatChem</i> ,	5.2	1