

Qi Shi

List of Publications by Year in descending order

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43
papers

1,492
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430442

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	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, 672-675.	7.2	382
2	Simultaneous Spray Self-Assembly of Highly Loaded ZIF-8/PDMS Nanohybrid Membranes Exhibiting Exceptionally High Biobutanol-Permeable Pervaporation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5578-5582.	7.2	160
3	Highly efficient Co ₃ O ₄ /CeO ₂ heterostructure as anode for lithium-ion batteries. <i>Journal of Colloid and Interface Science</i> , 2021, 585, 705-715.	5.0	116
4	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, 12251-12259.	1.7	66
5	Spies Within Metal-Organic Frameworks: Investigating Metal Centers Using Solid-State NMR. <i>Journal of Physical Chemistry C</i> , 2014, 118, 23728-23744.	1.5	56
6	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.	6.6	50
7	Cu powder decorated 3D Mn-MOF with excellent electrochemical properties for supercapacitors. <i>Inorganica Chimica Acta</i> , 2020, 508, 119629.	1.2	37
8	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.	3.9	36
9	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.	1.7	33
10	Bimetallic coordination polymer composites: A new choice of electrode materials for lithium ion batteries. <i>Solid State Ionics</i> , 2020, 350, 115310.	1.3	33
11	Adsorptive separation performance of 1-butanol onto typical hydrophobic zeolitic imidazolate frameworks (ZIFs). <i>CrystEngComm</i> , 2016, 18, 3842-3849.	1.3	28
12	Understanding the characteristics of water adsorption in zeolitic imidazolate framework-derived porous carbon materials. <i>Chemical Engineering Journal</i> , 2020, 379, 122412.	6.6	28
13	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.	2.8	28
14	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.	0.1	27
15	Simultaneous Spray Self-Assembly of Highly Loaded ZIF-8/PDMS Nanohybrid Membranes Exhibiting Exceptionally High Biobutanol-Permeable Pervaporation. <i>Angewandte Chemie</i> , 2014, 126, 5684-5688.	1.6	27
16	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.	2.2	23
17	Controlled synthesis of hierarchical zeolitic imidazolate framework-GIS (ZIF-GIS) architectures. <i>CrystEngComm</i> , 2012, 14, 8280.	1.3	20
18	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.	6.6	20

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19	The synthesis and tribological properties of small- and large-sized crystals of zeolitic imidazolate framework-71. <i>RSC Advances</i> , 2016, 6, 18052-18059.	1.7	18
20	One-pot synthesis of SIB@ZIF-8 with enhanced anti-corrosion properties and excellent lubrication properties. <i>Tribology International</i> , 2020, 151, 106491.	3.0	18
21	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.	1.8	17
22	Adsorptive Separation of Furfural/5-Hydroxymethylfurfural in MAF-5 with Ellipsoidal Pores. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 11734-11742.	1.8	15
23	Vapor-assisted conversion synthesis of prototypical zeolitic imidazolate framework-8. <i>Journal of Coordination Chemistry</i> , 2013, 66, 2079-2090.	0.8	14
24	Performance of Fire Extinguishing Gel with Strong Stability for Coal Mine. <i>Combustion Science and Technology</i> , 2022, 194, 1661-1677.	1.2	13
25	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.	2.2	13
26	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> , 2022, 306, 122786.	1.4	13
27	Superhydrophobic zeolitic imidazolate framework with suitable SOD cage for effective CH ₄ /N ₂ adsorptive separation in humid environments. <i>AIChE Journal</i> , 2022, 68, .	1.8	12
28	Synthesis and Tribological Properties of Zeolitic Imidazolate Framework-8 Nanocrystals and Microcrystals. <i>Asian Journal of Chemistry</i> , 2015, 27, 81-84.	0.1	11
29	Adsorptive separation of butanol, acetone and ethanol in zeolite imidazolate frameworks with desirable pore apertures. <i>Chemical Engineering Science</i> , 2022, 248, 117251.	1.9	11
30	MOF-derived CoFe ₂ O ₄ /FeO/Fe nanocomposites as anode materials for high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 923, 166316.	2.8	11
31	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, 1131-1134.	2.2	10
32	Tribological Properties of Typical Zeolitic Imidazolate Frameworks as Grease-Based Lubricant Additives. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 1668-1677.	1.2	9
33	Investigation of Methane Adsorption in Strained IRMOF-1. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24592-24597.	1.5	8
34	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.	1.4	8
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.	1.3	6
36	The Influence of UiO-66py Skeleton for the Direct Methane-to-Methanol Conversion on Cu@UiO-66py: Importance of the Encapsulation Effect. <i>ChemCatChem</i> , 2021, 13, 4897-4902.	1.8	5

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37	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.	1.0	4
38	Synthesis and characterization of zeolite Li ⁺ ABW from $\text{Li}_2\text{O}\cdot\text{Al}_2\text{O}_3\cdot\text{SiO}_2\cdot\text{H}_2\text{O}$. <i>Studies in Surface Science and Catalysis</i> , 2008, , 185-188.	1.5	3
39	Cooperative structure-directing effects in the synthesis of a low-silica zeolite phillipsite analogue. <i>Microporous and Mesoporous Materials</i> , 2009, 121, 152-157.	2.2	3
40	A single precursor approach for ZIF synthesis: transformation of a new 1D $[\text{Zn}(\text{Im})(\text{HIm})_2(\text{OAc})]$ structure to 3D $\text{Zn}(\text{Im})_2$ frameworks. <i>CrystEngComm</i> , 2015, 17, 3998-4005.	1.3	3
41	Solution-Mediated Transformation of a 1D $[\text{Zn}(\text{Im})(\text{HIm})_2(\text{OAc})]$ Precursor to Several Different 3D $\text{Zn}(\text{Im})_2$ Frameworks. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1086-1090.	2.6	3
42	Tris(ethylenediamine)zinc(II) hexafluorosilicate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009, 65, m1522-m1522.	0.2	3
43	Synthesis and Structural Characterization of a Two-Dimensional Magnesium Acetate, $\text{Mg}_7(\text{OH})_2(\text{OAc})_{12}(\text{H}_2\text{O})_4\cdot 4\text{H}_2\text{O}$, a Precursor to Three-Dimensional Porous Magnesium Acetate. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 3299-3304.	1.0	2