

Xueyi Zhang

List of Publications by Year in descending order

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31
papers

2,417
citations

471509

17
h-index

454955

30
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33
all docs

33
docs citations

33
times ranked

3175
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of Self-Pillared Zeolite Nanosheets by Repetitive Branching. <i>Science</i> , 2012, 336, 1684-1687.	12.6	655
2	Dispersible Exfoliated Zeolite Nanosheets and Their Application as a Selective Membrane. <i>Science</i> , 2011, 334, 72-75.	12.6	601
3	Hydrothermal Synthesis of Zeolites with Three-Dimensionally Ordered Mesoporous-Imprinted Structure. <i>Journal of the American Chemical Society</i> , 2011, 133, 12390-12393.	13.7	266
4	Novel gas sensing platform based on a stretchable laser-induced graphene pattern with self-heating capabilities. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6487-6500.	10.3	135
5	Synthesis of mesoporous ZSM-5 zeolites through desilication and re-assembly processes. <i>Microporous and Mesoporous Materials</i> , 2012, 149, 147-157.	4.4	115
6	On the Synthesis and Adsorption Properties of Single-Unit-Cell Hierarchical Zeolites Made by Rotational Intergrowths. <i>Advanced Functional Materials</i> , 2014, 24, 201-208.	14.9	101
7	Sub-40 nm Zeolite Suspensions via Disassembly of Three-Dimensionally Ordered Mesoporous-Imprinted Silicalite-1. <i>Journal of the American Chemical Society</i> , 2011, 133, 493-502.	13.7	91
8	A high-performance adsorbent for hydrogen sulfide removal. <i>Microporous and Mesoporous Materials</i> , 2014, 190, 152-155.	4.4	63
9	Epitaxially Grown Layered MFI-Bulk MFI Hybrid Zeolitic Materials. <i>ACS Nano</i> , 2012, 6, 9978-9988.	14.6	44
10	Activity and selectivity differences of external Brønsted acid sites of single-unit-cell thick and conventional MFI and MWW zeolites. <i>Microporous and Mesoporous Materials</i> , 2014, 200, 287-290.	4.4	42
11	Room-Temperature Synthesis of Two-Dimensional Metal-Organic Frameworks with Controllable Size and Functionality for Enhanced CO ₂ Sorption. <i>Crystal Growth and Design</i> , 2018, 18, 3209-3214.	3.0	36
12	Morphology preservation and crystallinity improvement in the thermal conversion of the hydrothermal synthesized MgBO ₂ (OH) nanowhiskers to Mg ₂ B ₂ O ₅ nanowhiskers. <i>Journal of Crystal Growth</i> , 2008, 310, 4262-4267.	1.5	32
13	Oriented CoSAPO-5 Membranes by Microwave-Enhanced Growth on TiO ₂ -Coated Porous Alumina. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 2470-2473.	13.8	30
14	Role of ethanol in sodalite crystallization in an ethanol-Na ₂ O-Al ₂ O ₃ -SiO ₂ -H ₂ O system. <i>CrystEngComm</i> , 2011, 13, 4714.	2.6	28
15	Hierarchical metal-organic framework (MOF) pore engineering. <i>Microporous and Mesoporous Materials</i> , 2022, 330, 111633.	4.4	28
16	Single-walled zeolitic nanotubes. <i>Science</i> , 2022, 375, 62-66.	12.6	25
17	Long-term steam stability of MWW structure zeolites (MCM-22 and ITQ-1). <i>Microporous and Mesoporous Materials</i> , 2014, 193, 134-144.	4.4	21
18	Hydrothermal Formation of the Head-to-Head Coalesced Szaibelyite MgBO ₂ (OH) Nanowires. <i>Nanoscale Research Letters</i> , 2009, 4, 724-731.	5.7	17

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19	Structure replication and growth development of three-dimensionally ordered mesoporous-imprinted zeolites during confined growth. <i>Journal of Materials Research</i> , 2013, 28, 1356-1364.	2.6	13
20	Coordinatively Unsaturated Metal Site-Promoted Selective Adsorption of Organic Molecules on Supported Metal-Organic Framework Nanosheets. <i>Langmuir</i> , 2019, 35, 12908-12913.	3.5	12
21	Mesoporous silica nanoparticles from a clear sol and their transformation to lamellar silicalite-1 particles and films. <i>Microporous and Mesoporous Materials</i> , 2011, 138, 239-242.	4.4	11
22	Oriented 2D metal organic framework coating on bacterial cellulose for nitrobenzene removal from water by filtration. <i>Separation and Purification Technology</i> , 2021, 276, 119366.	7.9	10
23	Recovery of Critical Rare-Earth Elements Using ETS-10 Titanosilicate. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 11121-11126.	3.7	9
24	Influence of process parameters on hydrothermal formation of magnesium borate hydroxide nanowhiskers. <i>Materials Research Innovations</i> , 2007, 11, 188-192.	2.3	7
25	Hierarchical metal-organic frameworks constructed from intergrowth for the adsorption of light hydrocarbons. <i>Materials Chemistry Frontiers</i> , 2020, 4, 3057-3062.	5.9	7
26	Scalable Pillar[5]arene-Integrated Poly(arylate-amide) Molecular Sieve Membranes to Separate Light Gases. <i>Chemistry of Materials</i> , 2022, 34, 6559-6567.	6.7	7
27	Ethylene Oligomerization to Select Oligomers on Ni-ETS-10. <i>ChemCatChem</i> , 2018, 10, 4234-4237.	3.7	3
28	Zeolites: On the Synthesis and Adsorption Properties of Single-Unit-Cell Hierarchical Zeolites Made by Rotational Intergrowths (<i>Adv. Funct. Mater.</i> 2/2014). <i>Advanced Functional Materials</i> , 2014, 24, 200-200.	14.9	2
29	Finned hierarchical MOFs supported on cellulose for the selective adsorption of <i>n</i> -hexane and 1-hexene. <i>Chemical Communications</i> , 2021, 57, 13756-13759.	4.1	2
30	Atomic Structure of Self-Pillared, Single-Unit-Cell Sn-MFI Zeolite Nanosheets. <i>Microscopy and Microanalysis</i> , 2016, 22, 1616-1617.	0.4	0
31	Structure Determination of Molecular Sieve Nanoparticles with Electron Microscopy and Powder X-Ray Diffraction. <i>Microscopy and Microanalysis</i> , 2017, 23, 1800-1801.	0.4	0