

Shi-Qiang Wang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7761940/publications.pdf>

Version: 2024-02-01

27
papers

810
citations

471371

17
h-index

552653

26
g-index

30
all docs

30
docs citations

30
times ranked

895
citing authors

#	ARTICLE	IF	CITATIONS
1	Tuning the switching pressure in square lattice coordination networks by metal cation substitution. <i>Materials Advances</i> , 2022, 3, 1240-1247.	2.6	9
2	Acetylene storage performance of [Ni(4,4'-bipyridine) ₂ (NCS) ₂] _n , a switching square lattice coordination network. <i>Chemical Communications</i> , 2022, 58, 1534-1537.	2.2	6
3	Scalable robust nano-porous Zr-based MOF adsorbent with high-capacity for sustainable water purification. <i>Separation and Purification Technology</i> , 2022, 288, 120620.	3.9	32
4	Magnetic 3d-4f Chiral Clusters Showing Multimetal Site Magneto-Chiral Dichroism. <i>Journal of the American Chemical Society</i> , 2022, 144, 8837-8847.	6.6	28
5	Spiers Memorial Lecture: Coordination networks that switch between nonporous and porous structures: an emerging class of soft porous crystals. <i>Faraday Discussions</i> , 2021, 231, 9-50.	1.6	34
6	Fabrication of Moisture-Responsive Crystalline Smart Materials for Water Harvesting and Electricity Transduction. <i>Journal of the American Chemical Society</i> , 2021, 143, 7732-7739.	6.6	49
7	High Working Capacity Acetylene Storage at Ambient Temperature Enabled by a Switching Adsorbent Layered Material. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 23877-23883.	4.0	17
8	Reversible single-crystal to single-crystal phase transformation between a new Werner clathrate and its apohost. <i>Dalton Transactions</i> , 2021, 50, 12923-12930.	1.6	4
9	Stable Zr-Based Metal-Organic Framework Nanoporous Membrane for Efficient Desalination of Hypersaline Water. <i>Environmental Science & Technology</i> , 2021, 55, 14917-14927.	4.6	31
10	Halogen-C ₂ H ₂ Binding in Ultramicroporous Metal-Organic Frameworks (MOFs) for Benchmark C ₂ H ₂ /CO ₂ Separation Selectivity. <i>Chemistry - A European Journal</i> , 2020, 26, 4923-4929.	1.7	72
11	[Cu(4-phenylpyridine) ₄ (trifluoromethanesulfonate) ₂], a Werner complex that exhibits high selectivity for <i>o</i> -xylene. <i>Chemical Communications</i> , 2020, 56, 1940-1943.	2.2	17
12	Supramolecular Cages Based on a Silver Complex as Adaptable Hosts for Polyaromatic Hydrocarbons. <i>Small</i> , 2020, 16, 2001377.	5.2	3
13	Innentitelbild: Ultramicropore Engineering by Dehydration to Enable Molecular Sieving of H ₂ by Calcium Trimesate (Angew. Chem. 37/2020). <i>Angewandte Chemie</i> , 2020, 132, 15898-15898.	1.6	0
14	Crystal engineering of a rectangular $\sqrt{3}$ coordination network to enable xylenes selectivity over ethylbenzene. <i>Chemical Science</i> , 2020, 11, 6889-6895.	3.7	26
15	Reversible Switching between Nonporous and Porous Phases of a New SIFSIX Coordination Network Induced by a Flexible Linker Ligand. <i>Journal of the American Chemical Society</i> , 2020, 142, 6896-6901.	6.6	51
16	Ultramicropore Engineering by Dehydration to Enable Molecular Sieving of H ₂ by Calcium Trimesate. <i>Angewandte Chemie</i> , 2020, 132, 16322-16328.	1.6	8
17	Ultramicropore Engineering by Dehydration to Enable Molecular Sieving of H ₂ by Calcium Trimesate. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 16188-16194.	7.2	28
18	Benchmark selectivity <i>o</i> -xylene separation by a non-porous molecular solid through liquid or vapor extraction. <i>Chemical Science</i> , 2019, 10, 8850-8854.	3.7	29

#	ARTICLE	IF	CITATIONS
19	Selective Adsorption of Water, Methanol, and Ethanol by Naphthalene Diimide-Based Coordination Polymers with Constructed Open Cu ²⁺ Metal Sites and Separation of Ethanol/Acetonitrile. ACS Omega, 2019, 4, 1995-2000.	1.6	7
20	Soft Porous Crystal Based upon Organic Cages That Exhibit Guest-Induced Breathing and Selective Gas Separation. Journal of the American Chemical Society, 2019, 141, 9408-9414.	6.6	98
21	Highly Selective, High-Capacity Separation of <i>o</i> -Xylene from C ₈ Aromatics by a Switching Adsorbent Layered Material. Angewandte Chemie - International Edition, 2019, 58, 6630-6634.	7.2	69
22	Highly Selective, High-Capacity Separation of <i>o</i> -Xylene from C ₈ Aromatics by a Switching Adsorbent Layered Material. Angewandte Chemie, 2019, 131, 6702-6706.	1.6	10
23	Solvent-induced Zn(II) coordination polymers with 1, 3, 5-benzenetricarboxylic acid. Journal of Molecular Structure, 2019, 1184, 219-224.	1.8	18
24	Comparison of Mechanochemistry vs Solution Methods for Synthesis of 4,4'-Bipyridine-Based Coordination Polymers. ACS Sustainable Chemistry and Engineering, 2019, 7, 19505-19512.	3.2	23
25	Coordination Network That Reversibly Switches between Two Nonporous Polymorphs and a High Surface Area Porous Phase. Journal of the American Chemical Society, 2018, 140, 15572-15576.	6.6	51
26	Recyclable switching between nonporous and porous phases of a square lattice (sq) topology coordination network. Chemical Communications, 2018, 54, 7042-7045.	2.2	37
27	Two nanosized 3d ^{4f} clusters featuring four Ln ₆ octahedra encapsulating a Zn ₄ tetrahedron. Chemical Communications, 2015, 51, 10687-10690.	2.2	53