Da-Shuai Zhang

List of Publications by Year
in descending order

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28 papers	1,001 citations	516710 16 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	1501 citing authors

#	Article	IF	Citations
1	Fluorous Metal-Organic Frameworks with Enhanced Stability and High H2/CO2 Storage Capacities. Scientific Reports, 2013, 3, 3312.	3.3	136
2	Rational Construction of Highly Tunable Donorâ€“Acceptor Materials Based on a Crystalline Hostâ€“Guest Platform. Advanced Materials, 2018, 30, e1804715.	21.0	132
3	Perspectives on Electron-Assisted Reduction for Preparation of Highly Dispersed Noble Metal Catalysts. ACS Sustainable Chemistry and Engineering, 2014, 2, 3-13.	6.7	91
4	Li-ion storage and gas adsorption properties of porous polyimides (PIs). RSC Advances, 2014, 4, 7506.	3.6	91
5	Targeted Structure Modulation of â€œPillar-Layeredâ€•Metalâ€“Organic Frameworks for CO2 Capture. Inorganic Chemistry, 2014, 53, 8985-8990.	4.0	82
6	A Cd^{II}â€Based Metalâ€Organic Framework with pcu Topology as Turnâ€On Fluorescent Sensor for Al³⁺. Chemistry - an Asian Journal, 2019, 14, 3648-3654.	3.3	58
7	A hydrothermally stable Zn(<scp>ii</scp>)-based metalâ€“organic framework: structural modulation and gas adsorption. Dalton Transactions, 2015, 44, 15697-15702.	3.3	49
8	Construction and adsorption properties of microporous tetrazine-based organic frameworks. RSC Advances, 2012, 2, 408-410.	3.6	46
9	Utilizing an effective framework to dye energy transfer in a carbazole-based metalâ€“organic framework for high performance white light emission tuning. Inorganic Chemistry Frontiers, 2018, 5, 2868-2874.	6.0	38
10	Nanocage-Based Porous Metalâ€“Organic Frameworks Constructed from Icosahedrons and Tetrahedrons for Selective Gas Adsorption. ACS Applied Materials & Interfaces, 2019, 11, 20104-20109.	8.0	35
11	Solvent induced rapid modulation of micro/nano structures of metal carboxylates coordination polymers: mechanism and morphology dependent magnetism. Scientific Reports, 2014, 4, 6023.	3.3	32
12	Rational design of CuO/SiO2 nanocatalyst with anchor structure and hydrophilic surface for efficient hydrogenation of nitrophenol. Journal of Solid State Chemistry, 2021, 296, 121960.	2.9	24
13	Structure modulation from unstable to stable MOFs by regulating secondary N-donor ligands. Dalton Transactions, 2018, 47, 14025-14032.	3.3	19
14	A multifunctional anionic 3D Cd(II)-MOF derived from 2D layers catenation: Organic dyes adsorption, cycloaddition of CO2 with epoxides and luminescence. Inorganic Chemistry Communication, 2019, 101, 184-187.	3.9	18
15	Pillar-Layered Metalâ€“Organic Frameworks Based on a Hexaprismane [Co6(Î¼3-OH)6] Cluster: Structural Modulation and Catalytic Performance in Aerobic Oxidation Reaction. Inorganic Chemistry, 2020, 59, 11728-11735.	4.0	17
16	Combining unsaturated metal sites and narrow pores within a Co(<scp>ii</scp>)-based MOF towards CO₂ separation and transformation. Dalton Transactions, 2020, 49, 2058-2062.	3.3	17
17	Construction of Cu-based MOFs with enhanced hydrogenation performance by integrating open electropositive metal sites. CrystEngComm, 2019, 21, 5382-5386.	2.6	16
18	A unique â€œcage-in-cageâ€•metalâ€“organic framework based on nested cages from interpenetrated networks. CrystEngComm, 2015, 17, 5884-5888.	2.6	15

#	Article	IF	Citations
19	Two Co(II) complexes based on 6-(3-pyridyl)isophthalic acid ligand: Structures, stability and catalytic applications. Polyhedron, 2018, 146, 12-18.	2.2	14
20	Redox property switching in MOFs with open metal sites for improved catalytic hydrogenation performance. Journal of Alloys and Compounds, 2021, 888, 161494.	5.5	13
21	Controllable assembly of three copper-organic frameworks: Structure transformation and gas adsorption properties. Polyhedron, 2017, 126, 83-91.	2.2	11
22	Facile synthesis of holey lamellar CuO via ultrasonic chemical etching toward highly efficient hydrogenation of 4-nitrophenol under mild conditions. Journal of Solid State Chemistry, 2020, 292, 121698.	2.9	11
23	Interpenetrated metalâ€“organic frameworks with enhanced photoluminescence for selective recognition of m-xylene from xylene isomers. Dalton Transactions, 2022, 51, 4790-4797.	3.3	11
24	Three Mn(II) complexes based on 6-(3-pyridyl)isophthalic acid ligand: Structure modulation, stability and magnetic properties. Polyhedron, 2017, 129, 149-156.	2.2	6
25	Construction of Co/Ni-based coordination polymers with three-dimensional isostructural frameworks and multiple catalytic applications. Journal of Solid State Chemistry, 2021, 296, 121979.	2.9	4
26	Constructing [Co6(Î¼3-OH)6]-based pillar-layered MOF with open metal sites via steric-hindrance effect on ligand for CO2 adsorption and fixation. Inorganic Chemistry Communication, 2022, 139, 109347.	3.9	4
27	Structure modulation, selective dye adsorption and catalytic CO2 transformation of four pillared-layer metal-organic frameworks. Journal of Solid State Chemistry, 2022, 309, 122964.	2.9	3
28	In situ aluminium ions regulation for quantum efficiency and light stability promotion in white light emitting material. RSC Advances, 2019, 9, 15265-15268.	3.6	1