Qihui Chen

List of Publications by Year
in descending order

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38 papers	1,559 citations	430874 18 h-index	315739 38 g-index
41 all docs	41 docs citations	41 times ranked	2256 citing authors

#	Article	IF	Citations
1	Carbon dioxide capture and conversion by an acid-base resistant metal-organic framework. Nature Communications, 2017, 8, 1233.	12.8	286
2	Controllable Coordination-Driven Self-Assembly: From Discrete Metallocages to Infinite Cage-Based Frameworks. Accounts of Chemical Research, 2015, 48, 201-210.	15.6	276
3	In situ large-scale construction of sulfur-functionalized metalâ€“organic framework and its efficient removal of Hg(<scp>ii</scp>) from water. Journal of Materials Chemistry A, 2016, 4, 15370-15374.	10.3	135
4	A regenerative metalâ€“organic framework for reversible uptake of Cd(<scp>ii</scp>): from effective adsorption to in situ detection. Chemical Science, 2016, 7, 5983-5988.	7.4	133
5	Electricâ€Field Assisted Inâ€…Situ Hydrolysis of Bulk Metalâ€“Organic Frameworks (MOFs) into Ultrathin Metal Oxyhydroxide Nanosheets for Efficient Oxygen Evolution. Angewandte Chemie - International Edition, 2020, 59, 13101-13108.	13.8	108
6	Incorporation of In₂S₃ Nanoparticles into a Metalâ€“Organic Framework for Ultrafast Removal of Hg from Water. Inorganic Chemistry, 2018, 57, 4891-4897.	4.0	67
7	From discrete octahedral nanocages to 1D coordination polymer: Coordination-driven a single-crystal-to-single-crystal transformation via anion exchange. Chemical Communications, 2011, 47, 2327-2329.	4.1	59
8	Induction of Chirality in a Metalâ€“Organic Framework Built from Achiral Precursors. Angewandte Chemie - International Edition, 2021, 60, 3087-3094.	13.8	41
9	A controllable and dynamic assembly system based on discrete metallocages. Chemical Science, 2014, 5, 483-488.	7.4	40
10	Solvent and temperature influence structural variation from nonporous 2D â† 3D parallel polycatenation to 3D microporous metalâ€“organic framework. CrystEngComm, 2011, 13, 3971.	2.6	39
11	Anion-driven self-assembly: from discrete cages to infinite polycatenanes step by step. Chemical Communications, 2013, 49, 719-721.	4.1	32
12	Combinatorial Selfâ€Assembly of Coordination Cages with Systematically Fineâ€Tuned Cavities for Efficient Coâ€Encapsulation and Catalysis. Angewandte Chemie - International Edition, 2022, 61, .	13.8	31
13	Highly Elastic Anti-fatigue and Anti-freezing Conductive Double Network Hydrogel for Human Body Sensors. Industrial & Engineering Chemistry Research, 2021, 60, 6162-6172.	3.7	28
14	An unexpected ruthenium complex and its unique behavior as catalyst in dynamic kinetic resolution of secondary alcohols. Chemical Communications, 2008, , 5333.	4.1	24
15	Introduction of Flexibility into a Metalâ€“Organic Framework to Promote Hg(II) Capture through Adaptive Deformation. Inorganic Chemistry, 2020, 59, 18264-18275.	4.0	21
16	Solventâ€and Temperatureâ€Controlled In Situ Ligand Reactions Mediated by Cu^{II} and 3â€²â€{(E)â€{[(1S,2S)â€2â€Aminocyclohexyl]imino}methyl]â€4â€²â€hydroxyâ€4â€biphenylcarboxlic Acid. Chemistry - A European Journal, 2012, 18, 9117-9124.	3.3	20
17	A Porous Framework as a Variable Chemosensor: From the Response of a Specific Carcinogenic Alkylâ€Aromatic to Selective Detection of Explosive Nitroaromatics. Chemistry - A European Journal, 2018, 24, 11033-11041.	3.3	19
18	Controllable Coordination Selfâ€Assembly Based on Flexible Tripodal Ligands: From Finite Metallocages to Infinite Polycatenanes Step by Step. Chemical Record, 2015, 15, 711-727.	5.8	18

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19	Controllable Reassembly of a Dynamic Metallocage: From Thermodynamic Control to Kinetic Control. Chemistry - A European Journal, 2017, 23, 456-461.	3.3	18
20	Acidâ€“Base-Resistant Metalâ€“Organic Framework for Size-Selective Carbon Dioxide Capture. Inorganic Chemistry, 2020, 59, 13542-13550.	4.0	16
21	Electricâ€Field Assisted Inâ€…Situ Hydrolysis of Bulk Metalâ€“Organic Frameworks (MOFs) into Ultrathin Metal Oxyhydroxide Nanosheets for Efficient Oxygen Evolution. Angewandte Chemie, 2020, 132, 13201-13208.	2.0	16
22	Functionalized Metalâ€Organic Frameworks for Hg(II) and Cd(II) Capture: Progresses and Challenges. Chemical Record, 2021, 21, 1455-1472.	5.8	16
23	Conformation driven in situ interlock: from discrete metallocycles to infinite polycatenanes. Chemical Communications, 2015, 51, 13706-13709.	4.1	15
24	Induction of Chirality in a Metalâ€“Organic Framework Built from Achiral Precursors. Angewandte Chemie, 2021, 133, 3124-3131.	2.0	15
25	Metalâ€“organic tube or layered assembly: reversible sheet-to-tube transformation and adaptive recognition. Chemical Science, 2020, 11, 9818-9826.	7.4	14
26	Chiral induction in a pcu-derived network from achiral precursors. Chemical Communications, 2019, 55, 4611-4614.	4.1	13
27	A tubular luminescent framework: precise decoding of nitroaniline isomers and quantitative detection of traces of benzaldehyde in benzyl alcohol. Journal of Materials Chemistry C, 2020, 8, 9828-9835.	5.5	12
28	A chemo-enzymatic synthesis of chiral secondary alcohols bearing sulfur-containing functionality. New Journal of Chemistry, 2009, 33, 972.	2.8	11
29	Combinatorial Selfâ€Assembly of Coordination Cages with Systematically Fineâ€Tuned Cavities for Efficient Coâ€Encapsulation and Catalysis. Angewandte Chemie, 2022, 134, .	2.0	10
30	Pillar-Assisted Construction of a Three-Dimensional Framework from a Two-Dimensional Bilayer Based on a Zn/Cd Heterometal Cluster: Pore Tuning and Gas Adsorption. Crystal Growth and Design, 2018, 18, 1826-1833.	3.0	6
31	Controllable Coordination Selfâ€Assembly Based on Flexibility of Ligands: Synthesis of Supramolecular Assemblies and Stimuliâ€Driven Structural Transformations. Israel Journal of Chemistry, 2019, 59, 140-150.	2.3	6
32	A Novel Selfâ€Penetrated Framework with New Topology Based on Rigid Ligands. Chinese Journal of Chemistry, 2014, 32, 1029-1032.	4.9	5
33	Conformation Improving Construction of Ag3L2 Metallocages and Their Selective Encapsulation. Crystal Growth and Design, 2016, 16, 3569-3572.	3.0	3
34	Study on polyurethaneâ€acrylate/cerium dioxide modified by 3â€(Methylacryloxyl)propyltrimethoxy silane and its UV absorption property. Journal of Applied Polymer Science, 2021, 138, 50760.	2.6	2
35	Adaptive coordination assemblies based on a flexible tetraazacyclododecane ligand for promoting carbon dioxide fixation. Chemical Science, 2022, 13, 9016-9022.	7.4	2
36	Study on a novel fluorescent anti-counterfeiting acrylate pressure-sensitive adhesive. Journal of Adhesion, 2022, 98, 1151-1167.	3.0	1

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37	Titelbild: Electricâ€Field Assisted Inâ€…Situ Hydrolysis of Bulk Metalâ€“Organic Frameworks (MOFs) into Ultrathin Metal Oxyhydroxide Nanosheets for Efficient Oxygen Evolution (Angew. Chem. 31/2020). Angewandte Chemie, 2020, 132, 12645-12645.	2.0	0
38	InnenrÃ¼cktitelbild: Induction of Chirality in a Metalâ€“Organic Framework Built from Achiral Precursors (Angew. Chem. 6/2021). Angewandte Chemie, 2021, 133, 3351-3351.	2.0	0