Zhen Zhou

List of Publications by Year
in descending order

41 papers	1,043 citations	687220 13 h-index	414303 32 g-index
42 all docs	42 docs citations	42 times ranked	1351 citing authors

#	Article	IF	Citations
1	A multifunctional anionic metalâ€“organic framework for high proton conductivity and photoreduction of CO₂ induced by cation exchange. Dalton Transactions, 2022, 51, 4798-4805.	1.6	7
2	Photocatalytic activity of an Anderson-type polyoxometalate with mixed copper(I)/copper(II) ions for visible-light enhancing heterogeneous catalysis. Journal of Solid State Chemistry, 2022, 310, 123052.	1.4	6
3	ZIF-8/covalent organic framework for enhanced CO2 photocatalytic reduction in gas-solid system. Chemical Engineering Journal, 2022, 450, 138040.	6.6	37
4	Efficient hydrolytic cleavage of phosphodiester with a lanthanide-based metal-organic framework. Journal of Solid State Chemistry, 2021, 293, 121820.	1.4	5
5	Ir-Porphyrin-Based Metalâ€“Organic Framework as a Dual Metallo- and Photocatalyst for Inert Alkyl C(sp³)â^'H Bond Activation and Direct Functionalization. ACS Applied Materials & Interfaces, 2021, 13, 10925-10932.	4.0	14
6	Synthesis of a tetraphenylethylene-based metal-organic framework as the luminescent sensor for selective sensing of Cr2O72â^' in aqueous solution. Inorganic Chemistry Communication, 2021, 127, 108550.	1.8	5
7	Spin Crossover in a Series of Non-Hofmann-Type Fe(II) Coordination Polymers Based on [Hg(SeCN)₃]^{â^'} or [Hg(SeCN)₄]^{2â€“} Building Blocks. Inorganic Chemistry, 2021, 60, 11048-11057.	1.9	3
8	In situ cleavage and rearrangement synthesis of an easy-to-obtain and highly stable Cu(<scp>ii</scp>)-based MOF for efficient heterogeneous catalysis of carbon dioxide conversion. CrystEngComm, 2021, 23, 6307-6314.	1.3	9
9	Rapid and selective adsorption capacity towards cationic dye with an anionic functionalized Anderson-type polyoxometalate. Inorganic Chemistry Communication, 2021, 133, 108988.	1.8	9
10	High conversion and selectivity of photodimerization under air conditions by supramolecular oxidation restraint within a metallocage-like nanoreactor. CrystEngComm, 2020, 22, 5411-5415.	1.3	4
11	A Lanthanide-Containing Coordination Polymer Using Tetraphenylethene-Based Linkers with Selective Fe³⁺ Sensing and Efficient Iodine Adsorption Activities. Inorganic Chemistry, 2020, 59, 16644-16653.	1.9	38
12	Heterobimetallic complexes from 0D clusters to 3D networks based on various polycyanometallates and [Cu(dmpn)₂]²⁺ (dmpn = 2,2-dimethyl-1,3-diaminopropane): synthesis, crystal structures and magnetic properties. CrystEngComm, 2020, 22, 2806-2816.	1.3	8
13	Multiresponsive Luminescent Sensitivities of a 3D Cd-CP with Visual Turn-on and Ratiometric Sensing toward Al³⁺ and Cr³⁺ as Well as Turn-off Sensing toward Fe³⁺. Inorganic Chemistry, 2020, 59, 3828-3837.	1.9	94
14	One-dimensional cyanide-bridged Fe(III)â€“Mn(II) magnetic complexes with different configurations derived from a new pentacyanoiron(III) building block. Transition Metal Chemistry, 2020, 45, 373-380.	0.7	5
15	Self-assembly of a cobalt(II)-based metalâ€“organic framework as an effective water-splitting heterogeneous catalyst for light-driven hydrogen production. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 616-624.	0.2	2
16	Tuning of crystallization method and ligand conformation to give a mononuclear compound or two-dimensional SCO coordination polymer based on a new semi-rigid V-shaped bis-pyridyl bis-amide ligand. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 412-418.	0.2	1
17	A rare octacoordinated mononuclear iron(III) spin-crossover compound: synthesis, crystal structure and magnetic properties. Acta Crystallographica Section C, Structural Chemistry, 2020, 76, 856-862.	0.2	0
18	A new three-dimensional cobalt(II) coordination polymer based on V-shaped 3,4â€²-oxydibenzoate: synthesis, crystal structure and magnetic properties. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 990-995.	0.2	4

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19	Various Structural Types of Cyanide-Bridged FeIIIâ€“MnIII Bimetallic Coordination Polymers (CPs) and Polynuclear Clusters Based-on A New mer-Tricyanoiron(III)Building Block: Synthesis, Crystal Structures, and Magnetic Properties. Polymers, 2019, 11, 1585.	2.0	7
20	Manganese(III) Porphyrin-Based Magnetic Materials. Topics in Current Chemistry, 2019, 377, 18.	3.0	12
21	Construction of a porous Cu(II)-coordinated framework for the catalytic properties of cycloaddition of carbon dioxide to epoxides. Inorganic Chemistry Communication, 2019, 106, 22-26.	1.8	4
22	Flexible-Ligand-Based Self-adaptive Metalâ€“Organic Material for Supramolecular Selective Recognition of Similar Natural Molecules. Inorganic Chemistry, 2019, 58, 4067-4070.	1.9	18
23	An unprecedented hetero-bimetallic three-dimensional spin crossover coordination polymer based on the tetrahedral [Hg(SeCN)4]2â^' building block. Chemical Communications, 2019, 55, 4607-4610.	2.2	17
24	Unconventional dihydrogen-bond interaction induced cyanide-bridged chiral nano-sized magnetic molecular wheel: synthesis, crystal structure and systematic theoretical magnetism investigation. Journal of Materials Chemistry C, 2019, 7, 3623-3633.	2.7	11
25	A thermal- and light-induced switchable one-dimensional rare loop-like spin crossover coordination polymer. Dalton Transactions, 2019, 48, 17014-17021.	1.6	10
26	A Versatile Porous Silver-Coordinated Material for the Heterogeneous Catalysis of Chemical Conversion with Propargylic Alcohols and CO2. Nanomaterials, 2019, 9, 1566.	1.9	15
27	Killing two birds with one stone: 2D+2Dâ†'3D parallel stacking and 3D self-penetrating structures in one reaction and their crystal-to-crystal transformation. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 657-666.	0.2	2
28	A cyanide-bridged Fe^{III}â€“Mn^{II} heterobimetallic one-dimensional coordination polymer: synthesis, crystal structure, experimental and theoretical magnetism investigation. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 1475-1481.	0.2	3
29	Recent Advance on Chemical Fixation of Carbon Dioxide by Metal-organic Frame-works as Heterogeneous Catalysts. Current Organic Chemistry, 2018, 22, 1809-1824.	0.9	17
30	Alkyne Activation by a Porous Silver Coordination Polymer for Heterogeneous Catalysis of Carbon Dioxide Cycloaddition. ACS Catalysis, 2017, 7, 2248-2256.	5.5	137
31	A thiourea-functionalized metalâ€“organic macrocycle for the catalysis of Michael additions and prominent size-selective effect. Dalton Transactions, 2017, 46, 4086-4092.	1.6	7
32	New rht-Type Metalâ€“Organic Frameworks Decorated with Acylamide Groups for Efficient Carbon Dioxide Capture and Chemical Fixation from Raw Power Plant Flue Gas. ACS Applied Materials & Interfaces, 2016, 8, 31746-31756.	4.0	81
33	Construction of solvent-dependent self-assembled porous Ni(<scp>ii</scp>)-coordinated frameworks as effective catalysts for chemical transformation of CO₂. RSC Advances, 2016, 6, 108010-108016.	1.7	6
34	Metalâ€“Organic Polymers Containing Discrete Single-Walled Nanotube as a Heterogeneous Catalyst for the Cycloaddition of Carbon Dioxide to Epoxides. Journal of the American Chemical Society, 2015, 137, 15066-15069.	6.6	273
35	A Crown-Shaped 24-Molybdate Cluster Constructed by Organotriphosphonate Ligand. Inorganic Chemistry, 2013, 52, 8285-8287.	1.9	46
36	Self-assembly of two ring-shaped hexanuclear Mo(vi) clusters. CrystEngComm, 2013, 15, 5452.	1.3	11

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37	Nona-copper(ii)-containing 18-tungsto-8-arsenate(iii) exhibits antitumor activity. Chemical Communications, 2013, 49, 5189.	2.2	73
38	Three organicâ€“inorganic hybrid B-Anderson polyoxoanions as building blocks: syntheses, structures, and characterization of [(C6H5NO2)2Ln(H2O)6](CrMo6O24H6)Â·2C6H5NO2Â·6H2O (Lnâ€‰=â€‰Sm, Dy, Er). Journal of Coordination Chemistry, 2013, 66, 1058-1067.	0.8	11
39	Assembly of Dimeric and Tetrameric Complexes of Polyoxomolybdobisphosphonates Built from [(Mo3O8){O3PC(O)(CH2-3-C5NH5)PO3}]2â€“ Subunits. Crystal Growth and Design, 2013, 13, 2540-2547.	1.4	30
40	Nickelâ€Catalyzed Reductive Crossâ€Coupling of (Hetero)aryl Halides with 2â€Chloroâ€1,1â€difluoroethane: Facile Access to 2,2â€Difluoroethylated Aromatics. Asian Journal of Organic Chemistry, 0, , .	1.3	1
41	MOF-Based Chemical Fixation of Carbon Dioxide into Value-Added Fine Chemicals. ACS Symposium Series, 0, , 239-267.	0.5	0