

Tian-Hua Zhou

List of Publications by Year in descending order

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55
papers

3,519
citations

159358

30
h-index

149479

56
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58
all docs

58
docs citations

58
times ranked

5055
citing authors

#	ARTICLE	IF	CITATIONS
1	Postsynthetic Modification of Metal-Organic Frameworks for Photocatalytic Applications. <i>Small Structures</i> , 2022, 3, .	6.9	30
2	Postsynthetic Modification of Metal-Organic Frameworks for Photocatalytic Applications. <i>Small Structures</i> , 2022, 3, .	6.9	3
3	Effect of N-donor ancillary ligand on zinc/cadmium-organic arsonates: Structural analysis and photoluminescence. <i>Journal of Solid State Chemistry</i> , 2022, 311, 123148.	1.4	1
4	Construction of Metal-Organic Frameworks with Various Zinc-Tetrazolate Nanotubes. <i>Crystal Growth and Design</i> , 2021, 21, 28-32.	1.4	10
5	Two-Dimensional Covalent-Organic Frameworks for Photocatalysis: The Critical Roles of Building Block and Linkage. <i>Solar Rrl</i> , 2021, 5, 2000458.	3.1	40
6	Engineering nanointerface of molybdenum-based heterostructures to boost the electrocatalytic hydrogen evolution reaction. <i>Journal of Energy Chemistry</i> , 2021, 58, 370-376.	7.1	18
7	Boosting CO ₂ electroreduction to CO with abundant nickel single atom active sites. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 2542-2548.	3.0	15
8	Co and Pt Dual-Single-Atoms with Oxygen-Coordinated Co-O-Pt Dimer Sites for Ultrahigh Photocatalytic Hydrogen Evolution Efficiency. <i>Advanced Materials</i> , 2021, 33, e2003327.	11.1	123
9	Metal-organic frameworks for electrochemical reduction of carbon dioxide: The role of metal centers. <i>Journal of Energy Chemistry</i> , 2020, 40, 156-170.	7.1	130
10	Oxygen doped g-C ₃ N ₄ with nitrogen vacancy for enhanced photocatalytic hydrogen evolution. <i>Chemistry - an Asian Journal</i> , 2020, 15, 3456-3461.	1.7	69
11	Hierarchical cobalt phenylphosphonate nanothorn flowers for enhanced electrocatalytic water oxidation at neutral pH. <i>Chinese Journal of Catalysis</i> , 2020, 41, 1654-1662.	6.9	12
12	2D Boron Imidazolate Framework Nanosheets with Electrocatalytic Applications for Oxygen Evolution and Carbon Dioxide Reduction Reaction. <i>Small</i> , 2020, 16, e1907669.	5.2	20
13	Autologous Cobalt Phosphates with Modulated Coordination Sites for Electrocatalytic Water Oxidation. <i>Angewandte Chemie</i> , 2020, 132, 9002-9006.	1.6	34
14	Autologous Cobalt Phosphates with Modulated Coordination Sites for Electrocatalytic Water Oxidation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8917-8921.	7.2	89
15	Syntheses, crystal structures, and characterizations of a series of divalent metal carboxylate-phosphonates. <i>Journal of Solid State Chemistry</i> , 2020, 287, 121343.	1.4	1
16	Isolated Square-Planar Copper Center in Boron Imidazolate Nanocages for Photocatalytic Reduction of CO ₂ to CO. <i>Angewandte Chemie</i> , 2019, 131, 11878-11882.	1.6	32
17	Polyhedral metal cage for photocatalytic CO ₂ reduction. <i>Science Bulletin</i> , 2019, 64, 1729-1730.	4.3	6
18	Isolated Square-Planar Copper Center in Boron Imidazolate Nanocages for Photocatalytic Reduction of CO ₂ to CO. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11752-11756.	7.2	194

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19	Bifunctional metal-organic frameworks toward photocatalytic CO ₂ reduction by post-synthetic ligand exchange. <i>Rare Metals</i> , 2019, 38, 413-419.	3.6	68
20	Cobalt Boron Imidazolate Framework Derived Cobalt Nanoparticles Encapsulated in B/N Codoped Nanocarbon as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. <i>Advanced Functional Materials</i> , 2018, 28, 1801136.	7.8	155
21	Host-Guest and Photophysical Behavior of Ti ₈ L ₁₂ Cube with Encapsulated [Ti(H ₂ O) ₆] Species. <i>Chemistry - A European Journal</i> , 2018, 24, 14358-14362.	1.7	24
22	Phosphonate-Based Metal-Organic Framework Derived Co-P-C Hybrid as an Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>ACS Catalysis</i> , 2017, 7, 6000-6007.	5.5	149
23	Investigating the Role of Tunable Nitrogen Vacancies in Graphitic Carbon Nitride Nanosheets for Efficient Visible-Light-Driven H ₂ Evolution and CO ₂ Reduction. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 7260-7268.	3.2	322
24	Nitrogen-doped cobalt phosphate@nanocarbon hybrids for efficient electrocatalytic oxygen reduction. <i>Energy and Environmental Science</i> , 2016, 9, 2563-2570.	15.6	216
25	Micellization and Adsorption of Heterogemini Surfactants Containing a Hydroxyl Headgroup in Aqueous Solution. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 2915-2922.	1.0	11
26	A highly efficient noble metal free photocatalytic hydrogen evolution system containing MoP and CdS quantum dots. <i>Nanoscale</i> , 2016, 8, 14438-14447.	2.8	77
27	MoS ₃ loaded TiO ₂ nanoplates for photocatalytic water and carbon dioxide reduction. <i>Journal of Energy Chemistry</i> , 2016, 25, 500-506.	7.1	18
28	Polyoxometalate immobilized in MIL-101(Cr) as an efficient catalyst for water oxidation. <i>Applied Catalysis A: General</i> , 2016, 521, 83-89.	2.2	70
29	CdS quantum dots and tungsten carbide supported on anatase-rutile composite TiO ₂ for highly efficient visible-light-driven photocatalytic H ₂ evolution from water. <i>Catalysis Science and Technology</i> , 2016, 6, 2206-2213.	2.1	62
30	Recent progress in g-C ₃ N ₄ based low cost photocatalytic system: activity enhancement and emerging applications. <i>Catalysis Science and Technology</i> , 2015, 5, 5048-5061.	2.1	206
31	New thorium(IV)-arsonates with a [Th ₈ O ₁₃] ⁶⁺ octanuclear core. <i>Dalton Transactions</i> , 2015, 44, 13573-13580.	1.6	11
32	Water-Soluble MoS ₃ Nanoparticles for Photocatalytic H ₂ Evolution. <i>ChemSusChem</i> , 2015, 8, 1464-1471.	3.6	39
33	Metal-organic framework immobilized cobalt oxide nanoparticles for efficient photocatalytic water oxidation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 20607-20613.	5.2	57
34	Bio-inspired organic cobalt(II) phosphonates toward water oxidation. <i>Energy and Environmental Science</i> , 2015, 8, 526-534.	15.6	79
35	Photocatalytic Reduction of Carbon Dioxide over Self-Assembled Carbon Nitride and Layered Double Hydroxide: The Role of Carbon Dioxide Enrichment. <i>ChemCatChem</i> , 2014, 6, 2315-2321.	1.8	130
36	Aggregation morphologies of a series of heterogemini surfactants with a hydroxyl head group in aqueous solution. <i>Soft Matter</i> , 2014, 10, 9177-9186.	1.2	33

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37	Porous carbon nitride nanosheets for enhanced photocatalytic activities. <i>Nanoscale</i> , 2014, 6, 14984-14990.	2.8	109
38	Post-synthesis modification of a metal-organic framework to construct a bifunctional photocatalyst for hydrogen production. <i>Energy and Environmental Science</i> , 2013, 6, 3229.	15.6	336
39	Ligand Geometry Directed Polar Cobalt(II) Phosphonate Displaying Weak Ferromagnetism. <i>Crystal Growth and Design</i> , 2013, 13, 838-843.	1.4	22
40	Solvothermal syntheses of three new one-dimensional ternary selenidostannates: [DBNH][M1/2Sn1/2Se2] (M=Mn, Zn, Hg). <i>Journal of Solid State Chemistry</i> , 2013, 204, 86-90.	1.4	15
41	Kinetically Controlling Phase Transformations of Crystalline Mercury Selenidostannates through Surfactant Media. <i>Inorganic Chemistry</i> , 2013, 52, 4148-4150.	1.9	121
42	Syntheses, crystal structures and SHG properties of a series of polar alkali-metal molybdenum(vi) selenites based on strandberg-type [Mo5O15(SeO3)2]4- polyanion. <i>Dalton Transactions</i> , 2012, 41, 5687.	1.6	24
43	Nickel-complexes with a mixed-donor ligand for photocatalytic hydrogen evolution from aqueous solutions under visible light. <i>RSC Advances</i> , 2012, 2, 8293.	1.7	38
44	Syntheses, crystal structures and luminescent properties of new lanthanide organoarsonates. <i>Dalton Transactions</i> , 2012, 41, 1229-1236.	1.6	14
45	A ligand-conformation driving chiral generation and symmetry-breaking crystallization of a zinc(ii) organoarsonate. <i>Chemical Communications</i> , 2011, 47, 8862.	2.2	44
46	Towards rational design of zinc and cadmium sulfonate-arsonates with low dimensional aggregations. <i>CrystEngComm</i> , 2011, 13, 1480-1489.	1.3	12
47	Novel lead(II) coordination polymers based on p-sulfophenylarsonic acid. <i>Journal of Molecular Structure</i> , 2011, 987, 51-57.	1.8	14
48	Novel copper(II) sulfonate-arsonates with discrete cluster, 1D chain and layered structures. <i>Journal of Molecular Structure</i> , 2010, 984, 416-423.	1.8	16
49	Synthesis, Crystal Structures, and Luminescent Properties of Two Series' of New Lanthanide (III) Amino-Carboxylate-Phosphonates. <i>Inorganic Chemistry</i> , 2010, 49, 905-915.	1.9	70
50	A Series of New Manganese(II) Sulfonate-Arsonates with 2D Layer, 1D Chain, and 0D Clusters Structures. <i>Inorganic Chemistry</i> , 2010, 49, 3489-3500.	1.9	27
51	A Series of Novel Lanthanide(III) Trisulfonates Based on Dinuclear Clusters. <i>Crystal Growth and Design</i> , 2010, 10, 1788-1797.	1.4	36
52	Effect of the Interionic Distance on the Interfacial Behavior of Double-Chain Zwitterionic Amphiphiles. <i>Journal of Dispersion Science and Technology</i> , 2009, 30, 1135-1141.	1.3	3
53	Synthesis and thermotropic liquid crystalline properties of heterogemini surfactants containing a quaternary ammonium and a hydroxyl group. <i>Journal of Colloid and Interface Science</i> , 2009, 331, 476-483.	5.0	33
54	Synthesis and thermotropic liquid crystalline properties of zwitterionic gemini surfactants containing a quaternary ammonium and a sulfate group. <i>Journal of Colloid and Interface Science</i> , 2009, 338, 156-162.	5.0	26

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55	Thermotropic Liquid Crystals of Double-Chain Zwitterionic Surfactants (C16)2NCnS. Acta Physico-chimica Sinica, 2008, 24, 1347-1352.	0.6	3