Tian-Hua Zhou

List of Publications by Year
in descending order

55	3,519	159358 30	149479 56
papers	citations	h-index	g-index

58	58	58	5055
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Post-synthesis modification of a metalâ€“organic framework to construct a bifunctional photocatalyst for hydrogen production. Energy and Environmental Science, 2013, 6, 3229.	15.6	336
2	Investigating the Role of Tunable Nitrogen Vacancies in Graphitic Carbon Nitride Nanosheets for Efficient Visible-Light-Driven H₂ Evolution and CO₂ Reduction. ACS Sustainable Chemistry and Engineering, 2017, 5, 7260-7268.	3.2	322
3	Nitrogen-doped cobalt phosphate@nanocarbon hybrids for efficient electrocatalytic oxygen reduction. Energy and Environmental Science, 2016, 9, 2563-2570.	15.6	216
4	Recent progress in g-C₃N₄ based low cost photocatalytic system: activity enhancement and emerging applications. Catalysis Science and Technology, 2015, 5, 5048-5061.	2.1	206
5	Isolated Squareâ€Planar Copper Center in Boron Imidazolate Nanocages for Photocatalytic Reduction of CO₂ to CO. Angewandte Chemie - International Edition, 2019, 58, 11752-11756.	7.2	194
6	Cobalt Boron Imidazolate Framework Derived Cobalt Nanoparticles Encapsulated in B/N Codoped Nanocarbon as Efficient Bifunctional Electrocatalysts for Overall Water Splitting. Advanced Functional Materials, 2018, 28, 1801136.	7.8	155
7	Phosphonate-Based Metalâ€Organic Framework Derived Coâ€Pâ€C Hybrid as an Efficient Electrocatalyst for Oxygen Evolution Reaction. ACS Catalysis, 2017, 7, 6000-6007.	5.5	149
8	Photocatalytic Reduction of Carbon Dioxide over Selfâ€Assembled Carbon Nitride and Layered Double Hydroxide: The Role of Carbon Dioxide Enrichment. ChemCatChem, 2014, 6, 2315-2321.	1.8	130
9	Metal-organic frameworks for electrochemical reduction of carbon dioxide: The role of metal centers. Journal of Energy Chemistry, 2020, 40, 156-170.	7.1	130
10	Co and Pt Dualâ€Singleâ€Atoms with Oxygenâ€Coordinated Coâ€“Oâ€“Pt Dimer Sites for Ultrahigh Photocatalytic Hydrogen Evolution Efficiency. Advanced Materials, 2021, 33, e2003327.	11.1	123
11	Kinetically Controlling Phase Transformations of Crystalline Mercury Selenidostannates through Surfactant Media. Inorganic Chemistry, 2013, 52, 4148-4150.	1.9	121
12	Porous carbon nitride nanosheets for enhanced photocatalytic activities. Nanoscale, 2014, 6, 14984-14990.	2.8	109
13	Autologous Cobalt Phosphates with Modulated Coordination Sites for Electrocatalytic Water Oxidation. Angewandte Chemie - International Edition, 2020, 59, 8917-8921.	7.2	89
14	Bio-inspired organic cobalt(<scp>ii</scp>) phosphonates toward water oxidation. Energy and Environmental Science, 2015, 8, 526-534.	15.6	79
15	A highly efficient noble metal free photocatalytic hydrogen evolution system containing MoP and CdS quantum dots. Nanoscale, 2016, 8, 14438-14447.	2.8	77
16	Synthesis, Crystal Structures, and Luminescent Properties of Two Series' of New Lanthanide (III) Amino-Carboxylate-Phosphonates. Inorganic Chemistry, 2010, 49, 905-915.	1.9	70
17	Polyoxometalate immobilized in MIL-101(Cr) as an efficient catalyst for water oxidation. Applied Catalysis A: General, 2016, 521, 83-89.	2.2	70
18	Oxygen doped gâ€C₃N₄ with nitrogen vacancy for enhanced photocatalytic hydrogen evolution. Chemistry - an Asian Journal, 2020, 15, 3456-3461.	1.7	69

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19	Bifunctional metalâ€“organic frameworks toward photocatalytic CO2 reduction by post-synthetic ligand exchange. Rare Metals, 2019, 38, 413-419.	3.6	68
20	CdS quantum dots and tungsten carbide supported on anataseâ€“rutile composite TiO₂ for highly efficient visible-light-driven photocatalytic H₂ evolution from water. Catalysis Science and Technology, 2016, 6, 2206-2213.	2.1	62
21	Metalâ€“organic framework immobilized cobalt oxide nanoparticles for efficient photocatalytic water oxidation. Journal of Materials Chemistry A, 2015, 3, 20607-20613.	5.2	57
22	A ligand-conformation driving chiral generation and symmetry-breaking crystallization of a zinc(ii) organoarsonate. Chemical Communications, 2011, 47, 8862.	2.2	44
23	Twoâ€Dimensional Covalentâ€Organic Frameworks for Photocatalysis: The Critical Roles of Building Block and Linkage. Solar Rrl, 2021, 5, 2000458.	3.1	40
24	Waterâ€Soluble MoS₃ Nanoparticles for Photocatalytic H₂ Evolution. ChemSusChem, 2015, 8, 1464-1471.	3.6	39
25	Nickel-complexes with a mixed-donor ligand for photocatalytic hydrogen evolution from aqueous solutions under visible light. RSC Advances, 2012, 2, 8293.	1.7	38
26	A Series of Novel Lanthanide(III) Trisulfonates Based on Dinuclear Clusters. Crystal Growth and Design, 2010, 10, 1788-1797.	1.4	36
27	Autologous Cobalt Phosphates with Modulated Coordination Sites for Electrocatalytic Water Oxidation. Angewandte Chemie, 2020, 132, 9002-9006.	1.6	34
28	Synthesis and thermotropic liquid crystalline properties of heterogemini surfactants containing a quaternary ammonium and a hydroxyl group. Journal of Colloid and Interface Science, 2009, 331, 476-483.	5.0	33
29	Aggregation morphologies of a series of heterogemini surfactants with a hydroxyl head group in aqueous solution. Soft Matter, 2014, 10, 9177-9186.	1.2	33
30	Isolated Squareâ€Planar Copper Center in Boron Imidazolate Nanocages for Photocatalytic Reduction of CO₂ to CO. Angewandte Chemie, 2019, 131, 11878-11882.	1.6	32
31	Postsynthetic Modification of Metalâ^'Organic Frameworks for Photocatalytic Applications. Small Structures, 2022, 3, .	6.9	30
32	A Series of New Manganese(II) Sulfonate-Arsonates with 2D Layer, 1D Chain, and 0D Clusters Structures. Inorganic Chemistry, 2010, 49, 3489-3500.	1.9	27
33	Synthesis and thermotropic liquid crystalline properties of zwitterionic gemini surfactants containing a quaternary ammonium and a sulfate group. Journal of Colloid and Interface Science, 2009, 338, 156-162.	5.0	26
34	Syntheses, crystal structures and SHG properties of a series of polar alkali-metal molybdenum(vi) selenites based on strandberg-type [Mo5O15(SeO3)2]4â^' polyanion. Dalton Transactions, 2012, 41, 5687.	1.6	24
35	Hostâ€“Guest and Photophysical Behavior of Ti₈L₁₂ Cube with Encapsulated [Ti(H₂O)₆] Species. Chemistry - A European Journal, 2018, 24, 14358-14362.	1.7	24
36	Ligand Geometry Directed Polar Cobalt(II) Phosphonate Displaying Weak Ferromagnetism. Crystal Growth and Design, 2013, 13, 838-843.	1.4	22

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37	2D Boron Imidazolate Framework Nanosheets with Electrocatalytic Applications for Oxygen Evolution and Carbon Dioxide Reduction Reaction. Small, 2020, 16, e1907669.	5.2	20
38	MoS3 loaded TiO2 nanoplates for photocatalytic water and carbon dioxide reduction. Journal of Energy Chemistry, 2016, 25, 500-506.	7.1	18
39	Engineering nanointerface of molybdenum-based heterostructures to boost the electrocatalytic hydrogen evolution reaction. Journal of Energy Chemistry, 2021, 58, 370-376.	7.1	18
40	Novel copper(II) sulfonateâ€“arsonates with discrete cluster, 1D chain and layered structures. Journal of Molecular Structure, 2010, 984, 416-423.	1.8	16
41	Solvothermal syntheses of three new one-dimensional ternary selenidostannates: [DBNH][M1/2Sn1/2Se2] (M=Mn, Zn, Hg). Journal of Solid State Chemistry, 2013, 204, 86-90.	1.4	15
42	Boosting CO₂ electroreduction to CO with abundant nickel single atom active sites. Inorganic Chemistry Frontiers, 2021, 8, 2542-2548.	3.0	15
43	Novel lead(II) coordination polymers based on p-sulfophenylarsonic acid. Journal of Molecular Structure, 2011, 987, 51-57.	1.8	14
44	Syntheses, crystal structures and luminescent properties of new lanthanide(<scp>iii</scp>) organoarsonates. Dalton Transactions, 2012, 41, 1229-1236.	1.6	14
45	Towards rational design of zinc(<scp>ii</scp>) and cadmium(<scp>ii</scp>) sulfonate-arsonates with low dimensional aggregations. CrystEngComm, 2011, 13, 1480-1489.	1.3	12
46	Hierarchical cobalt phenylphosphonate nanothorn flowers for enhanced electrocatalytic water oxidation at neutral pH. Chinese Journal of Catalysis, 2020, 41, 1654-1662.	6.9	12
47	New thorium(<scp>iv</scp>)â€“arsonates with a [Th₈O₁₃]⁶⁺ octanuclear core. Dalton Transactions, 2015, 44, 13573-13580.	1.6	11
48	Micellization and Adsorption of Heterogemini Surfactants Containing a Hydroxyl Headgroup in Aqueous Solution. Journal of Chemical & Engineering Data, 2016, 61, 2915-2922.	1.0	11
49	Construction of Metalâ€“Organic Frameworks with Various Zinc-Tetrazolate Nanotubes. Crystal Growth and Design, 2021, 21, 28-32.	1.4	10
50	Polyhedral metal cage for photocatalytic CO2 reduction. Science Bulletin, 2019, 64, 1729-1730.	4.3	6
51	Thermotropic Liquid Crystals of Double-Chain Zwit-terionic Surfactants (C16)2NCnS. Acta Physico-chimica Sinica, 2008, 24, 1347-1352.	0.6	3
52	Effect of the Interionic Distance on the Interfacial Behavior of Double-Chain Zwitterionic Amphiphiles. Journal of Dispersion Science and Technology, 2009, 30, 1135-1141.	1.3	3
53	Postsynthetic Modification of Metalâ^'Organic Frameworks for Photocatalytic Applications. Small Structures, 2022, 3, .	6.9	3
54	Syntheses, crystal structures, and characterizations of a series of divalent metal carboxylate-phosphonates. Journal of Solid State Chemistry, 2020, 287, 121343.	1.4	1

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55	Effect of N-donor ancillary ligand on zinc/cadmium-organic arsonates: Structural analysis and photoluminescence. Journal of Solid State Chemistry, 2022, 311, 123148.	1.4	1