Fumin Zhang

List of Publications by Year
in descending order

53 papers	2,452 citations	218592 26 h-index	197736 49 g-index
53 all docs	53 docs citations	53 times ranked	3533 citing authors

#	Article	IF	Citations
1	Strategies for improving the photocatalytic performance of metal-organic frameworks for CO2 reduction: A review. Journal of Environmental Sciences, 2023, 125, 290-308.	3.2	39
2	Highly dispersed palladium nanoclusters anchored on nanostructured hafnium(<scp>iv</scp>) oxide as highly efficient catalysts for the Suzukiâ€"Miyaura coupling reaction. New Journal of Chemistry, 2022, 46, 8575-8582.	1.4	4
3	PdZn intermetallic compound stabilized on ZnO/nitrogen-decorated carbon hollow spheres for catalytic semihydrogenation of alkynols. Nano Research, 2022, 15, 3090-3098.	5.8	14
4	Construction of isolated Ni sites on nitrogen-doped hollow carbon spheres with Niâ€"N3 configuration for enhanced reduction of nitroarenes. Nano Research, 2022, 15, 6001-6009.	5.8	19
5	Mechanism of Catalytic Transfer Hydrogenation for Furfural Using Single Ni Atom Catalysts Anchored to Nitrogen-Doped Graphene Sheets. Inorganic Chemistry, 2022, 61, 9138-9146.	1.9	10
6	Boosting photocatalytic CO2 reduction over a covalent organic framework decorated with ruthenium nanoparticles. Chemical Engineering Journal, 2021, 405, 127011.	6.6	104
7	Highly dispersed Ru nanoparticles on a bipyridine-linked covalent organic framework for efficient photocatalytic CO₂reduction. Sustainable Energy and Fuels, 2021, 5, 2871-2876.	2.5	30
8	Boosted Catalytic Hydrogenation Performance Using Isolated Co Sites Anchored on Nitrogen-Incorporated Hollow Porous Carbon. Journal of Physical Chemistry C, 2021, 125, 5088-5098.	1.5	18
9	Atomically Dispersed Vanadium Sites Anchored on N-Doped Porous Carbon for the Efficient Oxidative Coupling of Amines to Imines. ACS Applied Materials & Interfaces, 2021, 13, 15168-15177.	4.0	25
10	Visible-light-driven photocatalytic CO₂ reduction over ketoenamine-based covalent organic frameworks: role of the host functional groups. Catalysis Science and Technology, 2021, 11, 1717-1724.	2.1	46
11	Single Non-Noble Metal Atom Doped C2N Catalyst for Chemoselective Hydrogenation of 3-Nitrostyrene. Physical Chemistry Chemical Physics, 2021, 23, 25761-25768.	1.3	1
12	Mechanism of Selective Hydrogenation of 4-Nitrophenylacetylene Using Ptâ€"Zn Intermetallic Nanoparticles: The Role of Hydrogen Coverage. Journal of Physical Chemistry C, 2021, 125, 23803-23812.	1.5	2
13	Fe/Fe3C@N-doped porous carbon microspindles templated from a metalâ€"organic framework as highly selective and stable catalysts for the catalytic oxidation of sulfides to sulfoxides. Molecular Catalysis, 2020, 486, 110863.	1.0	12
14	Vanadium oxides anchored on nitrogen-incorporated carbon: An efficient heterogeneous catalyst for the selective oxidation of sulfide to sulfoxide. Catalysis Communications, 2020, 145, 106101.	1.6	14
15	Synthesis, characterization, and CO2 adsorption properties of metalâ€"organic framework NH2â€"MILâ€"101(V). Materials Letters, 2020, 264, 127402.	1.3	17
16	Metalâ€"organic framework derived Pd/ZrO₂@CN as a stable catalyst for the catalytic hydrogenation of 2,3,5â€•trimethylbenzoquinone. Applied Organometallic Chemistry, 2019, 33, e5233.	1.7	13
17	Ru nanoclusters supported on HfO2@CN derived from NH2-UiO-66(Hf) as stable catalysts for the hydrogenation of levulinic acid to Î³-valerolactone. Catalysis Communications, 2019, 128, 105710.	1.6	17
18	Synergistic Catalysis of Ruthenium Nanoparticles and Polyoxometalate Integrated Within Single UiOâˆ'66 Microcrystals for Boosting the Efficiency of Methyl Levulinate to Î³-Valerolactone. Frontiers in Chemistry, 2019, 7, 42.	1.8	12

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19	Temperature modulation of defects in NH₂-UiO-66(Zr) for photocatalytic CO₂ reduction. RSC Advances, 2019, 9, 37733-37738.	1.7	47
20	Pd/UiO-66(Hf): A highly efficient heterogeneous catalyst for the hydrogenation of 2,3,5-trimethylbenzoquinone. Catalysis Communications, 2018, 113, 23-26.	1.6	20
21	Coupling Ru nanoparticles and sulfonic acid moieties on single MIL-101 microcrystals for upgrading methyl levulinate into Î³-valerolactone. Applied Catalysis A: General, 2018, 563, 54-63.	2.2	29
22	Azine-based covalent organic frameworks as metal-free visible light photocatalysts for CO2 reduction with H2O. Applied Catalysis B: Environmental, 2018, 239, 46-51.	10.8	203
23	Facile assembly of a S@carbon nanotubes/polyaniline/graphene composite for lithiumâ€“sulfur batteries. RSC Advances, 2017, 7, 9819-9825.	1.7	62
24	Cascade catalytic hydrogenationâ€“cyclization of methyl levulinate to form Î³-valerolactone over Ru nanoparticles supported on a sulfonic acid-functionalized UiO-66 catalyst. RSC Advances, 2017, 7, 44082-44088.	1.7	43
25	Enhanced photocatalytic CO₂ reduction over Co-doped NH₂-MIL-125(Ti) under visible light. RSC Advances, 2017, 7, 42819-42825.	1.7	53
26	Pd nanoparticles encaged within amine-functionalized metal-organic frameworks: Catalytic activity and reaction mechanism in the hydrogenation of 2,3,5-trimethylbenzoquinone. Chemical Engineering Journal, 2017, 328, 977-987.	6.6	37
27	Rapid microwave-assisted synthesis of SnO2 quantum dots/reduced graphene oxide composite with its application in lithium-ion battery. Materials Letters, 2017, 209, 260-263.	1.3	12
28	Palladium Nanoparticles Supported on a Metalâ€“Organic Frameworkâ€Partially Reduced Graphene Oxide Hybrid for the Catalytic Hydrodeoxygenation of Vanillin as a Model for Biofuel Upgrade Reactions. ChemCatChem, 2017, 9, 469-480.	1.8	56
29	Tunable catalytic properties of multi-metalâ€“organic frameworks for aerobic styrene oxidation. Chemical Engineering Journal, 2016, 299, 135-141.	6.6	100
30	Immobilization of flower-like ZnO on activated carbon fibre as recycled photocatalysts. Research on Chemical Intermediates, 2016, 42, 8227-8237.	1.3	10
31	Fabrication of MIL-100(Fe)@SiO2@Fe3O4 core-shell microspheres as a magnetically recyclable solid acidic catalyst for the acetalization of benzaldehyde and glycol. Frontiers of Chemical Science and Engineering, 2016, 10, 534-541.	2.3	36
32	Synergetic catalysis of palladium nanoparticles encaged within amine-functionalized UiO-66 in the hydrodeoxygenation of vanillin in water. Green Chemistry, 2016, 18, 2900-2908.	4.6	175
33	Polyoxometalates confined in the mesoporous cages of metalâ€“organic framework MIL-100(Fe): Efficient heterogeneous catalysts for esterification and acetalization reactions. Chemical Engineering Journal, 2015, 269, 236-244.	6.6	128
34	Palladium nanoparticles incorporated within sulfonic acid-functionalized MIL-101(Cr) for efficient catalytic conversion of vanillin. Journal of Materials Chemistry A, 2015, 3, 17008-17015.	5.2	107
35	Facile synthesis of MIL-100(Fe) under HF-free conditions and its application in the acetalization of aldehydes with diols. Chemical Engineering Journal, 2015, 259, 183-190.	6.6	237
36	Fabrication of<i><i>Î³</i></i>-Fe_{2}O_{3}Nanoparticles by Solid-State Thermolysis of a Metal-Organic Framework, MIL-100(Fe), for Heavy Metal Ions Removal. Journal of Chemistry, 2014, 2014, 1-6.	0.9	22

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37	Hydroxylation of Benzene to Phenol by H2O2 over an Inorganicâ€“Organic Dual Modified Heteropolyacid. Chinese Journal of Chemical Engineering, 2014, 22, 1220-1225.	1.7	7
38	Triethylamine-modified Keggin heteropolyacid: a novel phase-transfer catalyst for hydroxylation of benzene with H2O2. Research on Chemical Intermediates, 2014, 40, 1867-1877.	1.3	4
39	Effect of pH on the structural characteristics of in situ synthesized Ni-incorporated SBA-15 magnetic composites. Research on Chemical Intermediates, 2014, 40, 385-397.	1.3	7
40	Catalytic hydrogenation of 2,3,5-trimethylbenzoquinone over Pd nanoparticles confined in the cages of MIL-101(Cr). Chemical Engineering Journal, 2014, 239, 33-41.	6.6	59
41	Highly stable chromium(III) terephthalate metal organic framework (MIL-101) encapsulated 12-tungstophosphoric heteropolyacid as a water-tolerant solid catalyst for hydrolysis and esterification. Reaction Kinetics, Mechanisms and Catalysis, 2013, 109, 77-89.	0.8	35
42	Polyoxometalate-Based Amphiphilic Catalysts for Selective Oxidation of Benzyl Alcohol with Hydrogen Peroxide under Organic Solvent-Free Conditions. Industrial & Engineering Chemistry Research, 2013, 52, 10095-10104.	1.8	46
43	Sulfonic acid-functionalized MIL-101 as a highly recyclable catalyst for esterification. Catalysis Science and Technology, 2013, 3, 2044.	2.1	92
44	Direct synthesis of Nd3+ doped mesoporous TiO2 and investigation of its photocatalytic performance. Journal of Sol-Gel Science and Technology, 2012, 64, 564-570.	1.1	5
45	Direct oxidation of benzene to phenol by N2O over meso-Fe-ZSM-5 catalysts obtained via alkaline post-treatment. Catalysis Science and Technology, 2011, 1, 1250.	2.1	41
46	Magnetic-field induced formation of 1D Fe3O4/C/CdS coaxial nanochains as highly efficient and reusable photocatalysts for water treatment. Journal of Materials Chemistry, 2011, 21, 18359.	6.7	145
47	A microwave-assisted rapid route to synthesize ZnO/ZnS coreâ€“shell nanostructures via controllable surface sulfidation of ZnO nanorods. CrystEngComm, 2011, 13, 3438.	1.3	133
48	Pyridine-H5PMo10V2O40 hybrid catalysts for liquid-phase hydroxylation of benzene to phenol with molecular oxygen. Science in China Series B: Chemistry, 2009, 52, 1264-1269.	0.8	7
49	Adsorption of Nitrous Oxide on Activated Carbons. Journal of Chemical & Engineering Data, 2009, 54, 3079-3081.	1.0	25
50	Direct Hydroxylation of Benzene to Phenol with Molecular Oxygen over Pyridine-modified Vanadium-substituted Heteropoly Acids. Catalysis Letters, 2008, 124, 250-255.	1.4	18
51	Hydroxylation of Benzene with Hydrogen Peroxide over Highly Efficient Molybdovanadophosphoric Heteropoly Acid Catalysts. Chinese Journal of Chemical Engineering, 2007, 15, 895-898.	1.7	28
52	A new method for the synthesis of molybdovanadophosphoric heteropoly acids and their catalytic activities. Frontiers of Chemical Engineering in China, 2007, 1, 296-299.	0.6	7
53	Catalytic performances of heteropoly compounds supported on dealuminated ultra-stable Y zeolite for liquid-phase esterification. Science in China Series B: Chemistry, 2006, 49, 140-147.	0.8	19