

Jinshui zhang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86
papers

15,291
citations

43
h-index

87
g-index

87
ext. papers

16,928
ext. citations

10.3
avg, IF

6.73
L-index

#	Paper	IF	Citations
86	Carbon encapsulated bimetallic FeCo nanoalloys for one-step hydroxylation of benzene to phenol. <i>Applied Catalysis A: General</i> , 2022 , 633, 118499	5.1	1
85	Unique functionalities of carbon shells coating on ZnFe ₂ O ₄ for enhanced photocatalytic hydroxylation of benzene to phenol. <i>Applied Catalysis B: Environmental</i> , 2022 , 304, 120999	21.8	5
84	Carbon-coated ZnFe ₂ O ₄ nanoparticles as an efficient, robust and recyclable catalyst for photocatalytic ozonation of organic pollutants. <i>Journal of Environmental Chemical Engineering</i> , 2022 , 10, 107419	6.8	1
83	Tailored poly-heptazine units in carbon nitride for activating peroxymonosulfate to degrade organic contaminants with visible light. <i>Applied Catalysis B: Environmental</i> , 2022 , 311, 121341	21.8	6
82	Low-Temperature NH ₃ -SCR on Cex-Mn-Tiy Mixed Oxide Catalysts: Improved Performance by the Mutual Effect between Ce and Ti. <i>Catalysts</i> , 2022 , 12, 471	4	0
81	An ultrathin TiO ₂ interfacial layer enhancing the performance of an FeVO ₄ photoanode for water splitting. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 261-266	5.8	3
80	Photocatalytic H ₂ evolution integrated with selective amines oxidation promoted by NiS ₂ decorated CdS nanosheets. <i>Journal of Catalysis</i> , 2021 , 400, 347-354	7.3	13
79	On-Surface Polymerization of In-Plane Highly Ordered Carbon Nitride Nanosheets toward Photocatalytic Mineralization of Mercaptan Gas. <i>Advanced Materials</i> , 2021 , 33, e2101466	24	25
78	Efficient degradation of tetracycline hydrochloride by photocatalytic ozonation over BiWO ₆ . <i>Chemosphere</i> , 2021 , 283, 131256	8.4	18
77	Photocatalytic activation of peroxymonosulfate by carbon quantum dots functionalized carbon nitride for efficient degradation of bisphenol A under visible-light irradiation. <i>Chemical Engineering Journal</i> , 2021 , 424, 130296	14.7	26
76	Photocatalytic hydroxylation of benzene to phenol over organosilane-functionalized FeVO ₄ nanorods. <i>Catalysis Science and Technology</i> , 2021 , 11, 5931-5937	5.5	4
75	Atomistic Observation of Temperature-Dependent Defect Evolution within Sub-stoichiometric WO ₃ Catalysts.. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	3
74	Titania-Samarium-Manganese Composite Oxide for the Low-Temperature Selective Catalytic Reduction of NO with NH ₃ . <i>Environmental Science & Technology</i> , 2020 , 54, 2530-2538	10.3	34
73	Molten salt assisted assembly growth of atomically thin boron carbon nitride nanosheets for photocatalytic H ₂ evolution. <i>Chemical Communications</i> , 2020 , 56, 2558-2561	5.8	22
72	Tuning regioselective oxidation toward phenol via atomically dispersed iron sites on carbon. <i>Green Chemistry</i> , 2020 , 22, 6025-6032	10	4
71	Selective Hydroxylation of Benzene to Phenol over Fe Nanoparticles Encapsulated within N-Doped Carbon Shells. <i>ACS Applied Nano Materials</i> , 2020 , 3, 9192-9199	5.6	14
70	Photodeposited CoO as highly active phases to boost water oxidation on BiVO ₄ /WO ₃ photoanode. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 25652-25661	6.7	14

69	Nanosheet-assembled LaMnO ₃ @NiCo ₂ O ₄ nanoarchitecture growth on Ni foam for high power density supercapacitors. <i>Electrochimica Acta</i> , 2019 , 318, 651-659	6.7	40
68	Nanoconfined Growth of Carbon-Encapsulated Cobalts as Cocatalysts for Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 14023-14030	8.3	14
67	Taming the stability of Pd active phases through a compartmentalizing strategy toward nanostructured catalyst supports. <i>Nature Communications</i> , 2019 , 10, 1611	17.4	112
66	Enhanced Photocatalytic Ozonation of Phenol by Ag/ZnO Nanocomposites. <i>Catalysts</i> , 2019 , 9, 1006	4	11
65	Fibers with Hyper-Crosslinked Functional Porous Frameworks. <i>Macromolecular Rapid Communications</i> , 2018 , 39, e1700767	4.8	6
64	“Cooking carbon in a solid salt” Synthesis of porous heteroatom-doped carbon foams for enhanced organic pollutant degradation under visible light. <i>Applied Materials Today</i> , 2018 , 12, 168-176	6.6	12
63	Total Oxidation of Propane over a Ru/CeO Catalyst at Low Temperature. <i>Environmental Science & Technology</i> , 2018 , 52, 9531-9541	10.3	92
62	Bioinspired cobalt cubanes with tunable redox potentials for photocatalytic water oxidation and CO reduction. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2331-2339	2.5	1
61	An Amphiphilic Mesoporous Poly(ionic liquid) Material with Efficient Removal Capability of Anionic Dyes. <i>Chemistry Letters</i> , 2018 , 47, 913-915	1.7	2
60	Carbon/tin oxide composite electrodes for improved lithium-ion batteries. <i>Journal of Applied Electrochemistry</i> , 2018 , 48, 811-817	2.6	12
59	Crystal Structural Effect of AuCu Alloy Nanoparticles on Catalytic CO Oxidation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8846-8854	16.4	125
58	Porous Structure Design of Polymeric Membranes for Gas Separation. <i>Small Methods</i> , 2017 , 1, 1600051	12.8	11
57	Surfactant-Assisted Stabilization of Au Colloids on Solids for Heterogeneous Catalysis. <i>Angewandte Chemie</i> , 2017 , 129, 4565-4569	3.6	13
56	Surfactant-Assisted Stabilization of Au Colloids on Solids for Heterogeneous Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4494-4498	16.4	101
55	Electrostatic-Assisted Liquefaction of Porous Carbons. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 14958-14962	16.4	29
54	Electrostatic-Assisted Liquefaction of Porous Carbons. <i>Angewandte Chemie</i> , 2017 , 129, 15154-15158	3.6	24
53	Efficient photoelectrochemical hydrogen production over p-Si nanowire arrays coupled with molybdenum-sulfur clusters. <i>International Journal of Hydrogen Energy</i> , 2017 , 42, 2832-2838	6.7	13
52	Membrane-Based Gas Separation Accelerated by Hollow Nanosphere Architectures. <i>Advanced Materials</i> , 2017 , 29, 1603797	24	40

51	Mesoporous Carbon Materials with Functional Compositions. <i>Chemistry - A European Journal</i> , 2017 , 23, 1986-1998	4.8	44
50	Molecular pore-wall engineering of mesozeolitic conjugated polymers for photoredox hydrogen production with visible light. <i>Journal of Energy Chemistry</i> , 2017 , 26, 87-92	12	5
49	A template-free solvent-mediated synthesis of high surface area boron nitride nanosheets for aerobic oxidative desulfurization. <i>Chemical Communications</i> , 2016 , 52, 144-7	5.8	170
48	A Sacrificial Coating Strategy Toward Enhancement of Metal-Support Interaction for Ultrastable Au Nanocatalysts. <i>Journal of the American Chemical Society</i> , 2016 , 138, 16130-16139	16.4	170
47	Hierarchically Superstructured Metal Sulfides: Facile Perturbation-Assisted Nanofusion Synthesis and Visible Light Photocatalytic Characterizations. <i>ChemNanoMat</i> , 2016 , 2, 1104-1110	3.5	7
46	Core-shell Si@TiO ₂ nanosphere anode by atomic layer deposition for Li-ion batteries. <i>Journal of Power Sources</i> , 2016 , 308, 75-82	8.9	81
45	Controlled synthesis of mesoporous codoped titania nanoparticles and their photocatalytic activity. <i>Advances in Nano Research</i> , 2016 , 4, 157-165		3
44	Tire-derived carbon composite anodes for sodium-ion batteries. <i>Journal of Power Sources</i> , 2016 , 316, 232-238	8.9	63
43	Two-dimensional covalent carbon nitride nanosheets: synthesis, functionalization, and applications. <i>Energy and Environmental Science</i> , 2015 , 8, 3092-3108	35.4	769
42	Sol Processing of Conjugated Carbon Nitride Powders for Thin-Film Fabrication. <i>Angewandte Chemie</i> , 2015 , 127, 6395-6399	3.6	106
41	Superior Conductive Solid-like Electrolytes: Nanoconfining Liquids within the Hollow Structures. <i>Nano Letters</i> , 2015 , 15, 3398-402	11.5	104
40	Mesoporous carbon nitride-tungsten oxide composites for enhanced photocatalytic hydrogen evolution. <i>ChemSusChem</i> , 2015 , 8, 1404-10	8.3	88
39	Porous liquids: a promising class of media for gas separation. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 932-6	16.4	140
38	Solar Water Splitting at ≈ 600 nm: A Step Closer to Sustainable Hydrogen Production. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 7230-2	16.4	87
37	Solare Wasserspaltung bei ≈ 600 nm: ein weiterer Schritt hin zu nachhaltiger Wasserstoffherzeugung. <i>Angewandte Chemie</i> , 2015 , 127, 7336-7338	3.6	20
36	Ionic liquid-mediated synthesis of meso-scale porous lanthanum-transition-metal perovskites with high CO oxidation performance. <i>Chemical Communications</i> , 2015 , 51, 5910-3	5.8	26
35	Hypercrosslinked Phenolic Polymers with Well-Developed Mesoporous Frameworks. <i>Angewandte Chemie</i> , 2015 , 127, 4665-4669	3.6	27
34	Sol processing of conjugated carbon nitride powders for thin-film fabrication. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6297-301	16.4	313

33	Hyperscrosslinked phenolic polymers with well-developed mesoporous frameworks. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 4582-6	16.4	105
32	Porous Liquids: A Promising Class of Media for Gas Separation. <i>Angewandte Chemie</i> , 2015 , 127, 946-950	3.6	35
31	Nanospherical carbon nitride frameworks with sharp edges accelerating charge collection and separation at a soft photocatalytic interface. <i>Advanced Materials</i> , 2014 , 26, 4121-6	24	601
30	Molecular doping of carbon nitride photocatalysts with tunable bandgap and enhanced activity. <i>Journal of Catalysis</i> , 2014 , 310, 24-30	7.3	226
29	Electro- and Photochemical Water Oxidation on Ligand-free Co ₃ O ₄ Nanoparticles with Tunable Sizes. <i>ACS Catalysis</i> , 2013 , 3, 383-388	13.1	149
28	An Optimized and General Synthetic Strategy for Fabrication of Polymeric Carbon Nitride Nanoarchitectures. <i>Advanced Functional Materials</i> , 2013 , 23, 3008-3014	15.6	306
27	Layered nanojunctions for hydrogen-evolution catalysis. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3621-5	16.4	713
26	Exfoliated graphitic carbon nitride nanosheets as efficient catalysts for hydrogen evolution under visible light. <i>Advanced Materials</i> , 2013 , 25, 2452-6	24	1859
25	Molecular and textural engineering of conjugated carbon nitride catalysts for selective oxidation of alcohols with visible light. <i>Chemical Science</i> , 2013 , 4, 3244	9.4	157
24	Chemical Synthesis and Applications of Graphitic Carbon Nitride. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2013 , 29, 1865-1876	3.8	16
23	Layered Nanojunctions for Hydrogen-Evolution Catalysis. <i>Angewandte Chemie</i> , 2013 , 125, 3709-3713	3.6	99
22	Photocatalytic oxidation of water by polymeric carbon nitride nanohybrids made of sustainable elements. <i>Chemical Science</i> , 2012 , 3, 443-446	9.4	232
21	Synthesis of Carbon Nitride Semiconductors in Sulfur Flux for Water Photoredox Catalysis. <i>ACS Catalysis</i> , 2012 , 2, 940-948	13.1	337
20	Bioinspired hollow semiconductor nanospheres as photosynthetic nanoparticles. <i>Nature Communications</i> , 2012 , 3,	17.4	750
19	A Facile Band Alignment of Polymeric Carbon Nitride Semiconductors to Construct Isotype Heterojunctions. <i>Angewandte Chemie</i> , 2012 , 124, 10292-10296	3.6	189
18	A facile band alignment of polymeric carbon nitride semiconductors to construct isotype heterojunctions. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 10145-9	16.4	542
17	Mesoporous Graphitic Carbon Nitride as a Heterogeneous Visible Light Photoinitiator for Radical Polymerization. <i>ACS Macro Letters</i> , 2012 , 1, 546-549	6.6	110
16	Polycondensation of thiourea into carbon nitride semiconductors as visible light photocatalysts. <i>Journal of Materials Chemistry</i> , 2012 , 22, 8083		730

15	Co-Monomer Control of Carbon Nitride Semiconductors to Optimize Hydrogen Evolution with Visible Light. <i>Angewandte Chemie</i> , 2012 , 124, 3237-3241	3.6	220
14	Co-monomer control of carbon nitride semiconductors to optimize hydrogen evolution with visible light. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 3183-7	16.4	624
13	Modification of Carbon Nitride Photocatalysts by Copolymerization with Diaminomaleonitrile. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , 2012 , 28, 2336-2342	3.8	20
12	Sulfur-mediated synthesis of carbon nitride: Band-gap engineering and improved functions for photocatalysis. <i>Energy and Environmental Science</i> , 2011 , 4, 675-678	35.4	624
11	Condensed Graphitic Carbon Nitride Nanorods by Nanoconfinement: Promotion of Crystallinity on Photocatalytic Conversion. <i>Chemistry of Materials</i> , 2011 , 23, 4344-4348	9.6	348
10	Synthesis of bulk and nanoporous carbon nitride polymers from ammonium thiocyanate for photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry</i> , 2011 , 21, 13032		353
9	Influence of Pt Promoter on the Visible Light Photocatalytic Properties of N-Doped TiO ₂ . <i>Chinese Journal of Catalysis</i> , 2011 , 32, 100-105	11.3	2
8	Synthesis of a Carbon Nitride Structure for Visible-Light Catalysis by Copolymerization. <i>Angewandte Chemie</i> , 2010 , 122, 451-454	3.6	146
7	Boron- and Fluorine-Containing Mesoporous Carbon Nitride Polymers: Metal-Free Catalysts for Cyclohexane Oxidation. <i>Angewandte Chemie</i> , 2010 , 122, 3428-3431	3.6	87
6	Synthesis of a carbon nitride structure for visible-light catalysis by copolymerization. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 441-4	16.4	1118
5	Boron- and fluorine-containing mesoporous carbon nitride polymers: metal-free catalysts for cyclohexane oxidation. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 3356-9	16.4	586
4	Synthesis, characterization and photocatalytic activity of β -Ga ₂ O ₃ nanostructures. <i>Powder Technology</i> , 2010 , 203, 440-446	5.2	56
3	Fe-g-C ₃ N ₄ -catalyzed oxidation of benzene to phenol using hydrogen peroxide and visible light. <i>Journal of the American Chemical Society</i> , 2009 , 131, 11658-9	16.4	877
2	A Highly Crystallized Hexagonal BCN Photocatalyst with Superior Anticorrosion Properties. <i>Advanced Optical Materials</i> , 2200282	8.1	
1	Facile fabrication of oxygen-doped carbon nitride with enhanced visible-light photocatalytic degradation of methyl mercaptan. <i>Research on Chemical Intermediates</i> , 1	2.8	