

Jianping Zou

List of Publications by Year in descending order

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67
papers

4,479
citations

147801

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docs citations

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times ranked

4031
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon Nitride Supported High-Loading Fe Single-Atom Catalyst for Activation of Peroxymonosulfate to Generate $\cdot\text{O}_2$ with 100% Selectivity. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21751-21755.	13.8	521
2	Silver Single Atom in Carbon Nitride Catalyst for Highly Efficient Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 23112-23116.	13.8	270
3	Simultaneous photoreduction of Uranium(VI) and photooxidation of Arsenic(III) in aqueous solution over g-C ₃ N ₄ /TiO ₂ heterostructured catalysts under simulated sunlight irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 228, 29-38.	20.2	260
4	Design and syntheses of MOF/COF hybrid materials via postsynthetic covalent modification: An efficient strategy to boost the visible-light-driven photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2019, 243, 621-628.	20.2	253
5	Photocatalytic degradation of organic pollutants coupled with simultaneous photocatalytic H ₂ evolution over graphene quantum dots/Mn-N-TiO ₂ /g-C ₃ N ₄ composite catalysts: Performance and mechanism. <i>Applied Catalysis B: Environmental</i> , 2018, 227, 312-321.	20.2	246
6	Synthesis and efficient visible light photocatalytic H ₂ evolution of a metal-free g-C ₃ N ₄ /graphene quantum dots hybrid photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2016, 193, 103-109.	20.2	218
7	Synthesis and characterizations of metal-free Semiconductor/MOFs with good stability and high photocatalytic activity for H ₂ evolution: A novel Z-Scheme heterostructured photocatalyst formed by covalent bonds. <i>Applied Catalysis B: Environmental</i> , 2018, 220, 607-614.	20.2	209
8	Mechanism investigation of anoxic Cr(VI) removal by nano zero-valent iron based on XPS analysis in time scale. <i>Chemical Engineering Journal</i> , 2018, 335, 945-953.	12.7	174
9	Electrochemical oxidation and advanced oxidation processes using a 3D hexagonal Co ₃ O ₄ array anode for 4-nitrophenol decomposition coupled with simultaneous CO ₂ conversion to liquid fuels via a flower-like CuO cathode. <i>Water Research</i> , 2019, 150, 330-339.	11.3	147
10	A Strategy for One-Pot Conversion of Organic Pollutants into Useful Hydrocarbons through Coupling Photodegradation of MB with Photoreduction of CO ₂ . <i>ACS Catalysis</i> , 2016, 6, 6861-6867.	11.2	128
11	Three-Dimensional Reduced Graphene Oxide Coupled with Mn ₃ O ₄ for Highly Efficient Removal of Sb(III) and Sb(V) from Water. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 18140-18149.	8.0	120
12	Degradation of 4-nitrophenol by electrocatalysis and advanced oxidation processes using Co ₃ O ₄ @C anode coupled with simultaneous CO ₂ reduction via SnO ₂ /CC cathode. <i>Chinese Chemical Letters</i> , 2020, 31, 1961-1965.	9.0	118
13	Highly efficient charge transfer in CdS-covalent organic framework nanocomposites for stable photocatalytic hydrogen evolution under visible light. <i>Science Bulletin</i> , 2020, 65, 113-122.	9.0	115
14	Size-controlled synthesis of CdS nanoparticles confined on covalent triazine-based frameworks for durable photocatalytic hydrogen evolution under visible light. <i>Nanoscale</i> , 2018, 10, 19509-19516.	5.6	108
15	Hierarchical CeO ₂ /Bi ₂ MoO ₆ heterostructured nanocomposites for photoreduction of CO ₂ into hydrocarbons under visible light irradiation. <i>Applied Surface Science</i> , 2018, 434, 481-491.	6.1	105
16	Photodegradation of Organic Pollutants Coupled with Simultaneous Photocatalytic Evolution of Hydrogen Using Quantum-Dot-Modified g-C ₃ N ₄ Catalysts under Visible-Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12695-12705.	6.7	102
17	Functional groups to modify g-C ₃ N ₄ for improved photocatalytic activity of hydrogen evolution from water splitting. <i>Chinese Chemical Letters</i> , 2020, 31, 1648-1653.	9.0	99
18	WS ₂ quantum dots seeding in Bi ₂ S ₃ nanotubes: A novel Vis-NIR light sensitive photocatalyst with low-resistance junction interface for CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2020, 389, 123430.	12.7	82

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19	Fabrication of novel heterostructured few layered WS ₂ -Bi ₂ WO ₆ /Bi _{3.84} W _{0.16} O _{6.24} composites with enhanced photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2015, 179, 220-228.	20.2	78
20	Coupling of photodegradation of RhB with photoreduction of CO ₂ over rGO/SrTi _{0.95} Fe _{0.05} O ₃ catalyst: A strategy for one-pot conversion of organic pollutants to methanol and ethanol. <i>Journal of Catalysis</i> , 2017, 349, 218-225.	6.2	74
21	Graphene oxide as structure-directing and morphology-controlling agent for the syntheses of heterostructured graphene-Bi ₂ MoO ₆ /Bi _{3.64} Mo _{0.36} O _{6.55} composites with high photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 447-455.	20.2	63
22	Mineralization of cyanides via a novel Electro-Fenton system generating •OH and •CO ₂ . <i>Water Research</i> , 2022, 209, 117890.	11.3	51
23	Silver Single Atom in Carbon Nitride Catalyst for Highly Efficient Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2020, 132, 23312-23316.	2.0	46
24	Bi ₂ MoO ₆ Quantum Dots In Situ Grown on Reduced Graphene Oxide Layers: A Novel Electron-Rich Interface for Efficient CO ₂ Reduction. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 25861-25874.	8.0	46
25	A general strategy via chemically covalent combination for constructing heterostructured catalysts with enhanced photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2019, 55, 4150-4153.	4.1	45
26	Chlorine-mediated photocatalytic hydrogen production based on triazine covalent organic framework. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118989.	20.2	44
27	Photoelectrochemical Degradation of Organic Pollutants Using BiOBr Anode Coupled with Simultaneous CO ₂ Reduction to Liquid Fuels via CuO Cathode. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1250-1259.	6.7	43
28	Dechlorination-Hydroxylation of Atrazine to Hydroxyatrazine with Thiosulfate: A Detoxification Strategy in Seconds. <i>Environmental Science & Technology</i> , 2019, 53, 3208-3216.	10.0	41
29	Oxygen migration triggering molybdenum exposure in oxygen vacancy-rich ultra-thin Bi ₂ MoO ₆ nanoflakes: Dual binding sites governing selective CO ₂ reduction into liquid hydrocarbons. <i>Journal of Energy Chemistry</i> , 2021, 61, 281-289.	12.9	40
30	Enhanced photocatalytic reduction of CO ₂ into alcohols on Z-scheme Ag/Ag ₃ PO ₄ /CeO ₂ driven by visible light. <i>Materials Letters</i> , 2018, 232, 36-39.	2.6	38
31	Efficient Capture of Volatile Iodine by Thiophene-Containing Porous Organic Polymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5121-5128.	4.4	36
32	Unveiling localized Pt-P-N bonding states constructed on covalent triazine-based frameworks for boosting photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020, 8, 25425-25430.	10.3	32
33	Highly efficient and stable hydrogen evolution from water with CdS as photosensitizer a noble-metal-free system. <i>Applied Catalysis B: Environmental</i> , 2014, 150-151, 466-471.	20.2	28
34	Lattice expansion boosting photocatalytic degradation performance of CuCo ₂ S ₄ with an inherent dipole moment. <i>Chinese Chemical Letters</i> , 2023, 34, 107468.	9.0	26
35	High selective reduction of nitrate into nitrogen by novel Fe-Cu/D407 composite with excellent stability and activity. <i>Environmental Pollution</i> , 2019, 252, 888-896.	7.5	25
36	Synthesis, crystal and band structures, and optical and magnetic properties of a 1D copper coordination polymer with chelidamic acid ligand. <i>Inorganica Chimica Acta</i> , 2009, 362, 4843-4848.	2.4	23

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37	High-performance heterostructured CdS/Ba _{1-x} Sr _x TiO ₃ system with unique synergism for photocatalytic H ₂ evolution. <i>Applied Catalysis A: General</i> , 2015, 493, 58-67.	4.3	22
38	Detection and Removal of Mercury Ions in Water by a Covalent Organic Framework Rich in Sulfur and Nitrogen. <i>ACS Applied Polymer Materials</i> , 2022, 4, 849-858.	4.4	22
39	Syntheses, crystal structures, and magnetic and luminescent properties of a series of lanthanide coordination polymers with chelidamic acid ligand. <i>Polyhedron</i> , 2010, 29, 2674-2679.	2.2	21
40	Isotypic heterojunction based on Fe-doped and terephthalaldehyde-modified carbon nitride for improving photocatalytic degradation with simultaneous hydrogen production. <i>Chinese Chemical Letters</i> , 2021, 32, 2782-2786.	9.0	21
41	Synthesis, crystal and band structures, and optical properties of a new framework mercury pnictides: [Hg ₄ As ₂](InBr _{3.5} As _{0.5}) with tridymite topology. <i>Journal of Alloys and Compounds</i> , 2011, 509, 221-225.	5.5	20
42	Highly durable isotypic heterojunction generated by covalent cross-linking with organic linkers for improving visible-light-driven photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118182.	20.2	20
43	Shifts of surface-bound -COOH to homogeneous -COOH in BDD electrochemical system via UV irradiation for enhanced degradation of hydrophilic aromatic compounds. <i>Chemosphere</i> , 2022, 291, 132817.	8.2	20
44	Selective oxidation of diclofenac sodium with different electronegative moieties via coexisting SO ₄ ²⁻ and OH. <i>Science of the Total Environment</i> , 2021, 782, 146857.	8.0	19
45	New insights on the role of NaCl electrolyte for degradation of organic pollutants in the system of electrocatalysis coupled with advanced oxidation processes. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107414.	6.7	19
46	Carbon Nitride Supported High-Loading Fe Single-Atom Catalyst for Activation of Peroxymonosulfate to Generate 1 O ₂ with 100% Selectivity. <i>Angewandte Chemie</i> , 2021, 133, 21919-21923.	2.0	18
47	A 1-D chain praseodymium complex with chelidamic acid: synthesis, structure, and optical properties. <i>Journal of Coordination Chemistry</i> , 2009, 62, 3324-3331.	2.2	17
48	Great Divergence Exists in Chinese Provincial Trade-Related CO ₂ Emission Accounts. <i>Environmental Science & Technology</i> , 2020, 54, 8527-8538.	10.0	16
49	Bioavailability quantification and uptake mechanisms of pyrene associated with different-sized microplastics to <i>Daphnia magna</i> . <i>Science of the Total Environment</i> , 2021, 797, 149201.	8.0	16
50	Syntheses, structures, and optical properties of two cadmium complexes with chelidamic acid. <i>Journal of Coordination Chemistry</i> , 2010, 63, 56-66.	2.2	13
51	Selective regulation of peroxydisulfate-to-hydroxyl radical for efficient in-situ chemical oxidation over Fe-based metal-organic frameworks under visible light. <i>Journal of Catalysis</i> , 2022, 406, 1-8.	6.2	13
52	A new strategy for the fabrication of covalent organic framework-metal-organic framework hybrids via in-situ functionalization of ligands for improved hydrogen evolution reaction activity. <i>Chinese Journal of Catalysis</i> , 2022, 43, 811-819.	14.0	13
53	Syntheses, crystal structures, and optical properties of a series of transition metal coordination polymers with chelidamic acid and 4,4'-bipyridine. <i>Journal of Coordination Chemistry</i> , 2012, 65, 2877-2892.	2.2	12
54	Synthesis, Band and Crystal Structures, and Optical Properties of the Ternary Compound Mg ₂ Te ₃ O ₈ . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 31-34.	1.2	12

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55	A new strategy for triggering photocatalytic activity of Cytochrome P450 by coupling of semiconductors. <i>Chemical Engineering Journal</i> , 2019, 358, 58-66.	12.7	12
56	Semi-chemical interaction between graphitic carbon nitride and Pt for boosting photocatalytic hydrogen evolution. <i>Chinese Chemical Letters</i> , 2022, 33, 3061-3064.	9.0	12
57	Halogenated benzothiadiazole-based conjugated polymers as efficient photocatalysts for dye degradation and oxidative coupling of benzylamines. <i>Chinese Chemical Letters</i> , 2022, 33, 2736-2740.	9.0	11
58	High-throughput lateral and basal interface in CeO ₂ @Ti ₃ C ₂ TX: Reverse and synergistic migration of carrier for enhanced photocatalytic CO ₂ reduction. <i>Journal of Colloid and Interface Science</i> , 2022, 615, 716-724.	9.4	11
59	Syntheses, Structures and Optical Properties of a Series of Lanthanide Complexes with Chelidamic Acid and 4,4'-Bipyridyl. <i>Journal of Chemical Crystallography</i> , 2011, 41, 1820-1833.	1.1	9
60	Transformation of Atrazine to Hydroxyatrazine with Alkali-H ₂ O ₂ Treatment: An Efficient Dechlorination Strategy under Alkaline Conditions. <i>ACS ES&T Water</i> , 2021, 1, 1868-1877.	4.6	9
61	Degradation of pesticide wastewater with simultaneous resource recovery via ozonation coupled with anaerobic biochemical technology. <i>Chemosphere</i> , 2022, 300, 134520.	8.2	9
62	A new CdS/Bi ₂ WO ₆ heterostructured photocatalyst containing solid solutions for H ₂ evolution from water splitting. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 13105-13113.	7.1	8
63	Effect of ultrasound on sodium arsenate induction time and crystallization property during solution crystallization processes. <i>Acoustical Physics</i> , 2014, 60, 356-360.	1.0	8
64	3-D Hydrogen-bonded networks of metal complexes with chelidamic acid and 1,10-phenanthroline: syntheses, structures, and optical properties. <i>Journal of Coordination Chemistry</i> , 2010, 63, 3576-3588.	2.2	7
65	Two heterometal-organic coordination polymers with chelidamic acid: Syntheses, structures and optical properties. <i>Inorganica Chimica Acta</i> , 2011, 373, 243-248.	2.4	7
66	New Insights into the Degradation of Atrazine by Ultraviolet-Based Techniques. <i>ACS ES&T Water</i> , 2021, 1, 958-968.	4.6	5
67	A novel (4,6)-connected 3D metal-organic framework based on chelidamic acid: Synthesis, crystal structure and photoluminescence. <i>Inorganic Chemistry Communication</i> , 2013, 35, 326-329.	3.9	3