

# Jianping Zou

## List of Publications by Year in descending order

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67  
papers

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147801

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102487

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docs citations

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times ranked

4031  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lattice expansion boosting photocatalytic degradation performance of CuCo <sub>2</sub> S <sub>4</sub> with an inherent dipole moment. Chinese Chemical Letters, 2023, 34, 107468.	9.0	26
2	Halogenated benzothiadiazole-based conjugated polymers as efficient photocatalysts for dye degradation and oxidative coupling of benzylamines. Chinese Chemical Letters, 2022, 33, 2736-2740.	9.0	11
3	Semi-chemical interaction between graphitic carbon nitride and Pt for boosting photocatalytic hydrogen evolution. Chinese Chemical Letters, 2022, 33, 3061-3064.	9.0	12
4	Shifts of surface-bound •OH to homogeneous •OH in BDD electrochemical system via UV irradiation for enhanced degradation of hydrophilic aromatic compounds. Chemosphere, 2022, 291, 132817.	8.2	20
5	Mineralization of cyanides via a novel Electro-Fenton system generating •OH and •O <sub>2</sub> •. Water Research, 2022, 209, 117890.	11.3	51
6	Selective regulation of peroxydisulfate-to-hydroxyl radical for efficient in-situ chemical oxidation over Fe-based metal-organic frameworks under visible light. Journal of Catalysis, 2022, 406, 1-8.	6.2	13
7	Detection and Removal of Mercury Ions in Water by a Covalent Organic Framework Rich in Sulfur and Nitrogen. ACS Applied Polymer Materials, 2022, 4, 849-858.	4.4	22
8	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. Chinese Journal of Catalysis, 2022, 43, 811-819.	14.0	13
9	High-throughput lateral and basal interface in CeO <sub>2</sub> @Ti <sub>3</sub> C <sub>2</sub> TX: Reverse and synergistic migration of carrier for enhanced photocatalytic CO <sub>2</sub> reduction. Journal of Colloid and Interface Science, 2022, 615, 716-724.	9.4	11
10	New insights on the role of NaCl electrolyte for degradation of organic pollutants in the system of electrocatalysis coupled with advanced oxidation processes. Journal of Environmental Chemical Engineering, 2022, 10, 107414.	6.7	19
11	Degradation of pesticide wastewater with simultaneous resource recovery via ozonation coupled with anaerobic biochemical technology. Chemosphere, 2022, 300, 134520.	8.2	9
12	Isotypic heterojunction based on Fe-doped and terephthalaldehyde-modified carbon nitride for improving photocatalytic degradation with simultaneous hydrogen production. Chinese Chemical Letters, 2021, 32, 2782-2786.	9.0	21
13	New Insights into the Degradation of Atrazine by Ultraviolet-Based Techniques. ACS ES&T Water, 2021, 1, 958-968.	4.6	5
14	Transformation of Atrazine to Hydroxyatrazine with Alkali-H <sub>2</sub> O <sub>2</sub> Treatment: An Efficient Dechlorination Strategy under Alkaline Conditions. ACS ES&T Water, 2021, 1, 1868-1877.	4.6	9
15	Carbon Nitride Supported High-Loading Fe Single-Atom Catalyst for Activation of Peroxymonosulfate to Generate <sup>1</sup> O <sub>2</sub> with 100% Selectivity. Angewandte Chemie - International Edition, 2021, 60, 21751-21755.	13.8	521
16	Selective oxidation of diclofenac sodium with different electronegative moieties via coexisting SO <sub>4</sub> • <sup>-</sup> and OH. Science of the Total Environment, 2021, 782, 146857.	8.0	19
17	Carbon Nitride Supported High-Loading Fe Single-Atom Catalyst for Activation of Peroxymonosulfate to Generate 1 O <sub>2</sub> with 100% Selectivity. Angewandte Chemie, 2021, 133, 21919-21923.	2.0	18
18	Oxygen migration triggering molybdenum exposure in oxygen vacancy-rich ultra-thin Bi <sub>2</sub> MoO <sub>6</sub> nanoflakes: Dual binding sites governing selective CO <sub>2</sub> reduction into liquid hydrocarbons. Journal of Energy Chemistry, 2021, 61, 281-289.	12.9	40

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19	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
20	Functional groups to modify g-C <sub>3</sub> N <sub>4</sub> for improved photocatalytic activity of hydrogen evolution from water splitting. <i>Chinese Chemical Letters</i> , 2020, 31, 1648-1653.	9.0	99
21	Highly durable isotopic 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
22	WS <sub>2</sub> quantum dots seeding in Bi <sub>2</sub> S <sub>3</sub> nanotubes: A novel Vis-NIR light sensitive photocatalyst with low-resistance junction interface for CO <sub>2</sub> reduction. <i>Chemical Engineering Journal</i> , 2020, 389, 123430.	12.7	82
23	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
24	Degradation of 4-nitrophenol by electrocatalysis and advanced oxidation processes using Co <sub>3</sub> O <sub>4</sub> @C anode coupled with simultaneous CO <sub>2</sub> reduction via SnO <sub>2</sub> /CC cathode. <i>Chinese Chemical Letters</i> , 2020, 31, 1961-1965.	9.0	118
25	Silver Single Atom in Carbon Nitride Catalyst for Highly Efficient Photocatalytic Hydrogen Evolution. <i>Angewandte Chemie</i> , 2020, 132, 23312-23316.	2.0	46
26	Efficient Capture of Volatile Iodine by Thiophene-Containing Porous Organic Polymers. <i>ACS Applied Polymer Materials</i> , 2020, 2, 5121-5128.	4.4	36
27	Unveiling localized Pt-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
28	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
29	Bi <sub>2</sub> Mo <sub>6</sub> Quantum Dots In Situ Grown on Reduced Graphene Oxide Layers: A Novel Electron-Rich Interface for Efficient CO <sub>2</sub> Reduction. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 25861-25874.	8.0	46
30	Great Divergence Exists in Chinese Provincial Trade-Related CO <sub>2</sub> Emission Accounts. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8527-8538.	10.0	16
31	Chlorine-mediated photocatalytic hydrogen production based on triazine covalent organic framework. <i>Applied Catalysis B: Environmental</i> , 2020, 272, 118989.	20.2	44
32	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
33	Dechlorination-Hydroxylation of Atrazine to Hydroxyatrazine with Thiosulfate: A Detoxification Strategy in Seconds. <i>Environmental Science &amp; Technology</i> , 2019, 53, 3208-3216.	10.0	41
34	A general strategy chemically covalent combination for constructing heterostructured catalysts with enhanced photocatalytic hydrogen evolution. <i>Chemical Communications</i> , 2019, 55, 4150-4153.	4.1	45
35	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
36	Electrochemical oxidation and advanced oxidation processes using a 3D hexagonal Co <sub>3</sub> O <sub>4</sub> array anode for 4-nitrophenol decomposition coupled with simultaneous CO <sub>2</sub> conversion to liquid fuels via a flower-like CuO cathode. <i>Water Research</i> , 2019, 150, 330-339.	11.3	147

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37	Photoelectrochemical Degradation of Organic Pollutants Using BiOBr Anode Coupled with Simultaneous CO <sub>2</sub> Reduction to Liquid Fuels via CuO Cathode. ACS Sustainable Chemistry and Engineering, 2019, 7, 1250-1259.	6.7	43
38	A new strategy for triggering photocatalytic activity of Cytochrome P450 by coupling of semiconductors. Chemical Engineering Journal, 2019, 358, 58-66.	12.7	12
39	Photocatalytic degradation of organic pollutants coupled with simultaneous photocatalytic H <sub>2</sub> evolution over graphene quantum dots/Mn-N-TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> composite catalysts: Performance and mechanism. Applied Catalysis B: Environmental, 2018, 227, 312-321.	20.2	246
40	Simultaneous photoreduction of Uranium(VI) and photooxidation of Arsenic(III) in aqueous solution over g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> heterostructured catalysts under simulated sunlight irradiation. Applied Catalysis B: Environmental, 2018, 228, 29-38.	20.2	260
41	Hierarchical CeO <sub>2</sub> /Bi <sub>2</sub> MoO <sub>6</sub> heterostructured nanocomposites for photoreduction of CO <sub>2</sub> into hydrocarbons under visible light irradiation. Applied Surface Science, 2018, 434, 481-491.	6.1	105
42	Synthesis and characterizations of metal-free Semiconductor/MOFs with good stability and high photocatalytic activity for H <sub>2</sub> evolution: A novel Z-Scheme heterostructured photocatalyst formed by covalent bonds. Applied Catalysis B: Environmental, 2018, 220, 607-614.	20.2	209
43	Mechanism investigation of anoxic Cr(VI) removal by nano zero-valent iron based on XPS analysis in time scale. Chemical Engineering Journal, 2018, 335, 945-953.	12.7	174
44	Size-controlled synthesis of CdS nanoparticles confined on covalent triazine-based frameworks for durable photocatalytic hydrogen evolution under visible light. Nanoscale, 2018, 10, 19509-19516.	5.6	108
45	Photodegradation of Organic Pollutants Coupled with Simultaneous Photocatalytic Evolution of Hydrogen Using Quantum-Dot-Modified g-C <sub>3</sub> N <sub>4</sub> Catalysts under Visible-Light Irradiation. ACS Sustainable Chemistry and Engineering, 2018, 6, 12695-12705.	6.7	102
46	Enhanced photocatalytic reduction of CO <sub>2</sub> into alcohols on Z-scheme Ag/Ag <sub>3</sub> PO <sub>4</sub> /CeO <sub>2</sub> driven by visible light. Materials Letters, 2018, 232, 36-39.	2.6	38
47	Coupling of photodegradation of RhB with photoreduction of CO <sub>2</sub> over rGO/SrTi <sub>0.95</sub> Fe <sub>0.05</sub> O <sub>3</sub> catalyst: A strategy for one-pot conversion of organic pollutants to methanol and ethanol. Journal of Catalysis, 2017, 349, 218-225.	6.2	74
48	Three-Dimensional Reduced Graphene Oxide Coupled with Mn <sub>3</sub> O <sub>4</sub> for Highly Efficient Removal of Sb(III) and Sb(V) from Water. ACS Applied Materials & Interfaces, 2016, 8, 18140-18149.	8.0	120
49	Synthesis and efficient visible light photocatalytic H <sub>2</sub> evolution of a metal-free g-C <sub>3</sub> N <sub>4</sub> /graphene quantum dots hybrid photocatalyst. Applied Catalysis B: Environmental, 2016, 193, 103-109.	20.2	218
50	A Strategy for One-Pot Conversion of Organic Pollutants into Useful Hydrocarbons through Coupling Photodegradation of MB with Photoreduction of CO <sub>2</sub> . ACS Catalysis, 2016, 6, 6861-6867.	11.2	128
51	Fabrication of novel heterostructured few layered WS <sub>2</sub> -Bi <sub>2</sub> WO <sub>6</sub> /Bi <sub>3.84</sub> WO <sub>0.16</sub> O <sub>6.24</sub> composites with enhanced photocatalytic performance. Applied Catalysis B: Environmental, 2015, 179, 220-228.	20.2	78
52	High-performance heterostructured CdS/Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> system with unique synergism for photocatalytic H <sub>2</sub> evolution. Applied Catalysis A: General, 2015, 493, 58-67.	4.3	22
53	Highly efficient and stable hydrogen evolution from water with CdS as photosensitizer: A noble-metal-free system. Applied Catalysis B: Environmental, 2014, 150-151, 466-471.	20.2	28
54	A new CdS/Bi <sub>1-x</sub> In <sub>x</sub> TaO <sub>4</sub> heterostructured photocatalyst containing solid solutions for H <sub>2</sub> evolution from water splitting. International Journal of Hydrogen Energy, 2014, 39, 13105-13113.	7.1	8

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55	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
56	Graphene oxide as structure-directing and morphology-controlling agent for the syntheses of heterostructured graphene-Bi <sub>2</sub> MoO <sub>6</sub> /Bi <sub>3.64</sub> Mo <sub>0.36</sub> O <sub>6.55</sub> composites with high photocatalytic activity. <i>Applied Catalysis B: Environmental</i> , 2014, 156-157, 447-455.	20.2	63
57	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
58	Synthesis, Band and Crystal Structures, and Optical Properties of the Ternary Compound Mg <sub>2</sub> Te <sub>3</sub> O <sub>8</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2013, 639, 31-34.	1.2	12
59	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
60	Synthesis, crystal and band structures, and optical properties of a new framework mercury pnictides: [Hg <sub>4</sub> As <sub>2</sub> ](InBr <sub>3.5</sub> As <sub>0.5</sub> ) with tridymite topology. <i>Journal of Alloys and Compounds</i> , 2011, 509, 221-225.	5.5	20
61	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
62	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
63	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
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	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
66	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
67	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