

# Shuang Jiang

## List of Publications by Citations

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38

papers

533

citations

12

h-index

22

g-index

42

ext. papers

695

ext. citations

5.4

avg, IF

3.76

L-index

#	Paper	IF	Citations
38	Enhanced Water Retention by Using Polymeric Microcapsules to Confer High Proton Conductivity on Membranes at Low Humidity. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 971-978	15.6	88
37	Chiral Ceramic Nanoparticles and Peptide Catalysis. <i>Journal of the American Chemical Society</i> , <b>2017</b> , 139, 13701-13712	16.4	67
36	Photocatalytic selective hydroxylation of phenol to dihydroxybenzene by BiOI/TiO <sub>2</sub> p-n heterojunction photocatalysts for enhanced photocatalytic activity. <i>Applied Surface Science</i> , <b>2018</b> , 439, 1047-1056	6.7	56
35	An ingenious strategy of preparing TiO <sub>2</sub> /g-C <sub>3</sub> N <sub>4</sub> heterojunction photocatalyst: In situ growth of TiO <sub>2</sub> nanocrystals on g-C <sub>3</sub> N <sub>4</sub> nanosheets via impregnation-calcination method. <i>Applied Surface Science</i> , <b>2018</b> , 433, 963-974	6.7	50
34	Synthesis, characterization, electrochemical properties and catalytic reactivity of N-heterocyclic carbene-containing diiron complexes. <i>RSC Advances</i> , <b>2015</b> , 5, 29022-29031	3.7	30
33	Synthesis and Characterization of Bio-Inspired Diiron Complexes and Their Catalytic Activity for Direct Hydroxylation of Aromatic Compounds. <i>European Journal of Inorganic Chemistry</i> , <b>2015</b> , 2015, 817-825	3.3	25
32	Ferrocene particles incorporated into Zr-based metal-organic frameworks for selective phenol hydroxylation to dihydroxybenzenes. <i>RSC Advances</i> , <b>2017</b> , 7, 38691-38698	3.7	23
31	Controllable synthesis of Ag/AgCl@MIL-88A via in situ growth method for morphology-dependent photocatalytic performance. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 5451-5460	7.1	21
30	Boosted electron-transfer by coupling Ag and Z-scheme heterostructures in CdSe-Ag-WO <sub>3</sub> -Ag for excellent photocatalytic H <sub>2</sub> evolution with simultaneous degradation. <i>Chemical Engineering Journal</i> , <b>2021</b> , 417, 129298	14.7	19
29	Nitrogen heterocyclic carbene containing pentacoordinate iron dicarbonyl as a [Fe]-hydrogenase active site model. <i>Dalton Transactions</i> , <b>2015</b> , 44, 16708-12	4.3	15
28	Water-mediated promotion of direct oxidation of benzene over the metal-organic framework HKUST-1. <i>RSC Advances</i> , <b>2015</b> , 5, 56020-56027	3.7	13
27	Circular Polarized Light Emission in Chiral Inorganic Nanomaterials.. <i>Advanced Materials</i> , <b>2022</b> , e210843124	12.4	13
26	The influence of phosphine ligand substituted [2Fe2S] model complexes as electro-catalyst on proton reduction.. <i>RSC Advances</i> , <b>2018</b> , 8, 42262-42268	3.7	12
25	Efficient hydroxylation of aromatic compounds catalyzed by an iron(II) complex with H <sub>2</sub> O <sub>2</sub> . <i>Applied Organometallic Chemistry</i> , <b>2014</b> , 28, 666-672	3.1	11
24	Cu-Deficient plasmonic Cu <sub>2</sub> S nanocrystals induced tunable photocatalytic activities. <i>CrystEngComm</i> , <b>2020</b> , 22, 678-685	3.3	11
23	Chiroptical Activity of Type II Core/Shell CuS/CdSe Nanocrystals. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6534-6543	3.1	7
22	Polymorphism and molecular conformations of nicosulfuron: structure, properties and desolvation process. <i>CrystEngComm</i> , <b>2019</b> , 21, 2790-2798	3.3	7

21	Controllable self-assembly of BiOI/oxidized mesocarbon microbeads core-shell composites: A novel hierarchical structure facilitated photocatalytic activities. <i>Chemical Engineering Science</i> , <b>2020</b> , 221, 115653 <sup>4</sup>	4.4	7
20	Synergistic combination of carbon-black and graphene for 3D printable stretchable conductors. <i>Materials Technology</i> , <b>2020</b> , 1-10	2.1	6
19	A new strategy to achieve enhanced upconverted circularly polarized luminescence in chiral perovskite nanocrystals. <i>Nano Research</i> , 1	10	6
18	Synthesis, structural characterization, and chemical properties of pentacoordinate model complexes for the active site of [Fe]-hydrogenase. <i>RSC Advances</i> , <b>2016</b> , 6, 84139-84148	3.7	5
17	Bio-inspired Catalyst: [( $\eta^5$ -SCH(CH <sub>2</sub> CH <sub>3</sub> )CH <sub>2</sub> S))Fe(CO) <sub>5</sub> ] <sub>2</sub> (k <sup>1</sup> ,k <sup>1</sup> -DPPF) for Proton Reduction and Phenol Hydroxylation. <i>ChemistrySelect</i> , <b>2017</b> , 2, 9407-9411	1.8	4
16	Versatile solid forms of boscalid: insight into the crystal structures and phase transformations. <i>CrystEngComm</i> , <b>2019</b> , 21, 6838-6849	3.3	4
15	Improved process for 2,3,5-trimethylhydroquinone manufacture: highly efficient catalytic hydrogenation of 2,3,5-trimethylbenzoquinone. <i>Research on Chemical Intermediates</i> , <b>2015</b> , 41, 663-677	2.8	4
14	Chiral 3D CdSe Nanotetrapods. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 14382-14388	5.1	4
13	Enhanced photothermal behavior derived from controllable self-assembly of CuS microstructures. <i>Dalton Transactions</i> , <b>2019</b> , 48, 4495-4503	4.3	3
12	Catalytic Performance and Kinetics of the Precursor of [Fe]-Hydrogenase in the Reaction of Phenol Hydroxylation in Aqueous Phase at Ambient Temperature. <i>Catalysis Letters</i> , <b>2020</b> , 150, 1238-1243	2.8	3
11	Synthesis and properties of novel colorless and thermostable polyimides containing cross-linkable bulky tetrafluorostyrol pendant group and organosoluble triphenylmethane backbone structure. <i>Journal of Polymer Science</i> , <b>2020</b> , 58, 2355-2365	2.4	3
10	Effect of the Terminal Ligands of [FeFe]-Hydrogenase Model Complexes on Proton Reduction Properties and Catalytic Hydroxylation of Benzene. <i>ChemistrySelect</i> , <b>2017</b> , 2, 3306-3310	1.8	2
9	High selective hydroxylation of phenol catalyzed by PNP ligand-containing [FeFe]-hydrogenase model complexes. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 2180-2186	3.5	2
8	Bacitracin-assisted synthesis of spherical BiVO <sub>4</sub> nanoparticles with C doping for remarkable photocatalytic performance under visible light. <i>CrystEngComm</i> , <b>2020</b> , 22, 1812-1821	3.3	2
7	In situ construction of Bi <sub>5</sub> O <sub>7</sub> I/Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> heterostructure composites with plentiful phase interfaces for the boosted selective oxidation of benzylic alcohols under visible light. <i>Journal of Materials Chemistry C</i> ,	7.1	2
6	Catalytic reduction of 1,4-benzoquinone to hydroquinone via [FeFe]-hydrogenase model complexes under mild conditions. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2020</b> , 95, 1250	3.5	1
5	Effect of -substitute group on the chirality of monocarboxylic acid stabilized CdSe nanocrystals. <i>Nanotechnology</i> , <b>2021</b> , 32,	3.4	1
4	Impact of native achiral ligands on the chirality of enantiopure cysteine stabilized CdSe nanocrystals. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 555-561	7.1	1

- 3 Synthesis and electrochemical properties of [FeFe]-hydrogenase model complexes with acid-functionalized or base-functionalized ligands. *Journal of Applied Electrochemistry*, **2017**, 47, 583-591<sup>2.6</sup>
- 2 The efficient catalytic oxidation of 2,3,6-trimethylphenol with air over composite catalyst to synthesize Vitamin E intermediate. *Research on Chemical Intermediates*, **2021**, 47, 3705-3718 2.8
- 1 Controllable chiral behavior of type-II core/shell quantum dots adjusted by shell thickness and coordinated ligands. *Chirality*, **2021**, 33, 167-175 2.1