

# Zupeng Chen

## List of Publications by Year in Descending Order

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**Version:** 2024-04-26

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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.

55  
papers

4,048  
citations

29  
h-index

62  
g-index

62  
ext. papers

5,321  
ext. citations

11.8  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
55	Rational-Designed Principles for Electrochemical and Photoelectrochemical Upgrading of CO to Value-Added Chemicals.. <i>Advanced Science</i> , <b>2022</b> , e2105204	13.6	13
54	Coupling solar-driven photothermal effect into photocatalysis for sustainable water treatment. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 423, 127128	12.8	16
53	Recent Progress in Materials Exploration for Thermocatalytic, Photocatalytic, and Integrated Photothermocatalytic CO <sub>2</sub> -to-Fuel Conversion. <i>Advanced Energy and Sustainability Research</i> , <b>2022</b> , 3, 2100169	1.6	5
52	Synthesis of atomic platinum with high loading on metal-organic sulfide. <i>Science China Materials</i> , <b>2022</b> , 65, 1294-1302	7.1	2
51	Evidencing Interfacial Charge Transfer in 2D CdS/2D MXene Schottky Heterojunctions toward High-Efficiency Photocatalytic Hydrogen Production. <i>Solar Rrl</i> , <b>2021</b> , 5, 2000414	7.1	46
50	Recent Advances in Conjugated Polymers for Visible-Light-Driven Water Splitting. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907296	24	141
49	Carrier-Induced Modification of Palladium Nanoparticles on Porous Boron Nitride for Alkyne Semi-Hydrogenation. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 19639-19644	16.4	17
48	Facile assembly of a graphitic carbon nitride film at an air/water interface for photoelectrochemical NADH regeneration. <i>Inorganic Chemistry Frontiers</i> , <b>2020</b> , 7, 2434-2442	6.8	11
47	Nickel-Based Metal-Organic Framework-Derived Bifunctional Electrocatalysts for Hydrogen and Oxygen Evolution Reactions. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , <b>2020</b> , 2009054-0	3.8	1
46	In situ fabrication of 1D CdS nanorod/2D Ti3C2 MXene nanosheet Schottky heterojunction toward enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 268, 118382	21.8	219
45	Hierarchical ultrathin carbon encapsulating transition metal doped MoP electrocatalysts for efficient and pH-universal hydrogen evolution reaction. <i>Nano Energy</i> , <b>2020</b> , 70, 104445	17.1	61
44	Anchoring Co <sub>3</sub> O <sub>4</sub> nanoparticles on MXene for efficient electrocatalytic oxygen evolution. <i>Science Bulletin</i> , <b>2020</b> , 65, 460-466	10.6	70
43	Revealing and accelerating interfacial charge carrier dynamics in Z-scheme heterojunctions for highly efficient photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , <b>2020</b> , 268, 118445	21.8	43
42	Single-Atom Catalysts across the Periodic Table. <i>Chemical Reviews</i> , <b>2020</b> , 120, 11703-11809	68.1	237
41	Iron-doping Accelerating NADH Oxidation over Carbon Nitride. <i>Chemical Research in Chinese Universities</i> , <b>2020</b> , 36, 1076-1082	2.2	2
40	Carrier-Induced Modification of Palladium Nanoparticles on Porous Boron Nitride for Alkyne Semi-Hydrogenation. <i>Angewandte Chemie</i> , <b>2020</b> , 132, 19807-19812	3.6	7
39	Tunability and Scalability of Single-Atom Catalysts Based on Carbon Nitride. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 5223-5230	8.3	17

38	Probing supramolecular assembly and charge carrier dynamics toward enhanced photocatalytic hydrogen evolution in 2D graphitic carbon nitride nanosheets. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 256, 117867	21.8	89
37	Oxamide-modified g-C <sub>3</sub> N <sub>4</sub> nanostructures: Tailoring surface topography for high-performance visible light photocatalysis. <i>Chemical Engineering Journal</i> , <b>2019</b> , 374, 1064-1075	14.7	170
36	Atom-by-Atom Resolution of Structure-Function Relations over Low-Nuclearity Metal Catalysts. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 8816-8821	3.6	11
35	Tailoring Nitrogen-Doped Carbons as Hosts for Single-Atom Catalysts. <i>ChemCatChem</i> , <b>2019</b> , 11, 2812-2820	3.0	26
34	Atom-by-Atom Resolution of Structure-Function Relations over Low-Nuclearity Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 8724-8729	16.4	64
33	Surface engineering of ultrasmall supported PdBi nanoalloys with enhanced electrocatalytic activity for selective alcohol oxidation. <i>Chemical Communications</i> , <b>2019</b> , 55, 13566-13569	5.8	7
32	Hierarchical Porous Wood Cellulose Scaffold with Atomically Dispersed Pt Catalysts for Low-Temperature Ethylene Decomposition. <i>ACS Nano</i> , <b>2019</b> , 13, 14337-14347	16.7	12
31	Single-atom heterogeneous catalysts based on distinct carbon nitride scaffolds. <i>National Science Review</i> , <b>2018</b> , 5, 642-652	10.8	82
30	Enhanced Base-Free Formic Acid Production from CO on Pd/g-C <sub>3</sub> N <sub>4</sub> by Tuning of the Carrier Defects. <i>ChemSusChem</i> , <b>2018</b> , 11, 2859-2869	8.3	30
29	Selective ensembles in supported palladium sulfide nanoparticles for alkyne semi-hydrogenation. <i>Nature Communications</i> , <b>2018</b> , 9, 2634	17.4	110
28	Enhanced Base-Free Formic Acid Production from CO <sub>2</sub> on Pd/g-C <sub>3</sub> N <sub>4</sub> by Tuning of the Carrier Defects. <i>ChemSusChem</i> , <b>2018</b> , 11, 2841-2841	8.3	
27	Surface Engineering of Carbon Nitride Electrode by Molecular Cobalt Species and Their Photoelectrochemical Application. <i>Chemistry - an Asian Journal</i> , <b>2018</b> , 13, 1539-1543	4.5	26
26	A heterogeneous single-atom palladium catalyst surpassing homogeneous systems for Suzuki coupling. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 702-707	28.7	316
25	Bifunctional Hierarchical Zeolite-Supported Silver Catalysts for the Conversion of Glycerol to Allyl Alcohol. <i>ChemCatChem</i> , <b>2017</b> , 9, 2195-2202	5.2	17
24	Stabilization of Single Metal Atoms on Graphitic Carbon Nitride. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1605785	15.6	172
23	Catalysts: Stabilization of Single Metal Atoms on Graphitic Carbon Nitride (Adv. Funct. Mater. 8/2017). <i>Advanced Functional Materials</i> , <b>2017</b> , 27,	15.6	2
22	"The Easier the Better" Preparation of Efficient Photocatalysts-Metastable Poly(heptazine imide) Salts. <i>Advanced Materials</i> , <b>2017</b> , 29, 1700555	24	110
21	Tailoring the framework composition of carbon nitride to improve the catalytic efficiency of the stabilised palladium atoms. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16393-16403	13	57

20	Merging Single-Atom-Dispersed Silver and Carbon Nitride to a Joint Electronic System via Copolymerization with Silver Tricyanomethanide. <i>ACS Nano</i> , <b>2016</b> , 10, 3166-75	16.7	163
19	Baking BumblyCarbon nitrides with improved photocatalytic properties using ammonium chloride. <i>RSC Advances</i> , <b>2016</b> , 6, 2910-2913	3.7	18
18	Biomimetic polymeric semiconductor based hybrid nanosystems for artificial photosynthesis towards solar fuels generation via CO2 reduction. <i>Nano Energy</i> , <b>2016</b> , 25, 128-135	17.1	83
17	Tuning the morphology of g-C3N4 for improvement of Z-scheme photocatalytic water oxidation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 15285-93	9.5	225
16	Triazoles: A New Class of Precursors for the Synthesis of Negatively Charged Carbon Nitride Derivatives. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5170-5179	9.6	143
15	Microcontact-printing-assisted access of graphitic carbon nitride films with favorable textures toward photoelectrochemical application. <i>Advanced Materials</i> , <b>2015</b> , 27, 712-8	24	151
14	Enhancement of the Photocatalytic Activity of Carbon Nitrides by Complex Templating. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 10805-11	4.8	24
13	A stable single-site palladium catalyst for hydrogenations. <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 11265-9	16.4	586
12	Ein stabiler Bingle-sitePalladiumkatalysator für Hydrierungen. <i>Angewandte Chemie</i> , <b>2015</b> , 127, 11417-11422	16.4	67
11	Upconversion-agent induced improvement of g-C3N4 photocatalyst under visible light. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 16481-6	9.5	89
10	Enhancing photocatalytic activity of Sn doped TiO2 dominated with {1 0 5} facets. <i>Catalysis Today</i> , <b>2014</b> , 225, 18-23	5.3	21
9	The bioinspired construction of an ordered carbon nitride array for photocatalytic mediated enzymatic reduction. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 14699-705	3.6	59
8	Highly electrocatalytic activity of RuO <sub>2</sub> nanocrystals for triiodide reduction in dye-sensitized solar cells. <i>Small</i> , <b>2014</b> , 10, 484-92, 483	11	65
7	Disordered Co <sub>1.28</sub> Mn <sub>1.71</sub> O <sub>4</sub> as a visible-light-responsive photocatalyst for hydrogen evolution. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 4123-7	4.8	19
6	Cu-Cu <sub>2</sub> O-TiO <sub>2</sub> nanojunction systems with an unusual electron-hole transportation pathway and enhanced photocatalytic properties. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 1265-70	4.5	43
5	Assembly of ultrathin PbBiO <sub>2</sub> Br nanosheets with enhanced visible light photocatalytic properties. <i>RSC Advances</i> , <b>2013</b> , 3, 10687	3.7	21
4	High-yield synthesis and magnetic properties of ZnFe <sub>2</sub> O <sub>4</sub> single crystal nanocubes in aqueous solution. <i>Journal of Alloys and Compounds</i> , <b>2013</b> , 550, 348-352	5.7	46
3	Degradation of Sodium Polystyrene Sulfonate and the Radical Initiated Polymerization of Styrene Under Ultrasonic Irradiation. <i>Polymer-Plastics Technology and Engineering</i> , <b>2011</b> , 50, 1262-1265		3

2	Facile regeneration of oxidized porous carbon nitride rods by the de-aromatization of the heptazine network in bulk g-C <sub>3</sub> N <sub>4</sub> . <i>Inorganic Chemistry Frontiers</i> ,	6.8	1
1	Synergistic Promotion of Single-Atom Co Surrounding a PtCo Alloy Based On a g-C <sub>3</sub> N <sub>4</sub> Nanosheet for Overall Water Splitting. <i>ACS Catalysis</i> ,6958-6967	13.1	2