

Zupeng Chen

List of Publications by Citations

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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	A stable single-site palladium catalyst for hydrogenations. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 11265-9	16.4	586
54	A heterogeneous single-atom palladium catalyst surpassing homogeneous systems for Suzuki coupling. <i>Nature Nanotechnology</i> , 2018 , 13, 702-707	28.7	316
53	Single-Atom Catalysts across the Periodic Table. <i>Chemical Reviews</i> , 2020 , 120, 11703-11809	68.1	237
52	Tuning the morphology of g-C3N4 for improvement of Z-scheme photocatalytic water oxidation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15285-93	9.5	225
51	In situ fabrication of 1D CdS nanorod/2D Ti3C2 MXene nanosheet Schottky heterojunction toward enhanced photocatalytic hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118382	21.8	219
50	Stabilization of Single Metal Atoms on Graphitic Carbon Nitride. <i>Advanced Functional Materials</i> , 2017 , 27, 1605785	15.6	172
49	Oxamide-modified g-C3N4 nanostructures: Tailoring surface topography for high-performance visible light photocatalysis. <i>Chemical Engineering Journal</i> , 2019 , 374, 1064-1075	14.7	170
48	Merging Single-Atom-Dispersed Silver and Carbon Nitride to a Joint Electronic System via Copolymerization with Silver Tricyanomethanide. <i>ACS Nano</i> , 2016 , 10, 3166-75	16.7	163
47	Microcontact-printing-assisted access of graphitic carbon nitride films with favorable textures toward photoelectrochemical application. <i>Advanced Materials</i> , 2015 , 27, 712-8	24	151
46	Triazoles: A New Class of Precursors for the Synthesis of Negatively Charged Carbon Nitride Derivatives. <i>Chemistry of Materials</i> , 2015 , 27, 5170-5179	9.6	143
45	Recent Advances in Conjugated Polymers for Visible-Light-Driven Water Splitting. <i>Advanced Materials</i> , 2020 , 32, e1907296	24	141
44	"The Easier the Better" Preparation of Efficient Photocatalysts-Metastable Poly(heptazine imide) Salts. <i>Advanced Materials</i> , 2017 , 29, 1700555	24	110
43	Selective ensembles in supported palladium sulfide nanoparticles for alkyne semi-hydrogenation. <i>Nature Communications</i> , 2018 , 9, 2634	17.4	110
42	Probing supramolecular assembly and charge carrier dynamics toward enhanced photocatalytic hydrogen evolution in 2D graphitic carbon nitride nanosheets. <i>Applied Catalysis B: Environmental</i> , 2019 , 256, 117867	21.8	89
41	Upconversion-agent induced improvement of g-C3N4 photocatalyst under visible light. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 16481-6	9.5	89
40	Biomimetic polymeric semiconductor based hybrid nanosystems for artificial photosynthesis towards solar fuels generation via CO2 reduction. <i>Nano Energy</i> , 2016 , 25, 128-135	17.1	83
39	Single-atom heterogeneous catalysts based on distinct carbon nitride scaffolds. <i>National Science Review</i> , 2018 , 5, 642-652	10.8	82

38	Anchoring Co ₃ O ₄ nanoparticles on MXene for efficient electrocatalytic oxygen evolution. <i>Science Bulletin</i> , 2020 , 65, 460-466	10.6	70
37	Ein stabiler Single-site-Palladiumkatalysator für Hydrierungen. <i>Angewandte Chemie</i> , 2015 , 127, 11417-11422	3.2	67
36	Highly electrocatalytic activity of RuO ₂ nanocrystals for triiodide reduction in dye-sensitized solar cells. <i>Small</i> , 2014 , 10, 484-92, 483	11	65
35	Atom-by-Atom Resolution of Structure-Function Relations over Low-Nuclearity Metal Catalysts. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 8724-8729	16.4	64
34	Hierarchical ultrathin carbon encapsulating transition metal doped MoP electrocatalysts for efficient and pH-universal hydrogen evolution reaction. <i>Nano Energy</i> , 2020 , 70, 104445	17.1	61
33	The bioinspired construction of an ordered carbon nitride array for photocatalytic mediated enzymatic reduction. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 14699-705	3.6	59
32	Tailoring the framework composition of carbon nitride to improve the catalytic efficiency of the stabilised palladium atoms. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16393-16403	13	57
31	High-yield synthesis and magnetic properties of ZnFe ₂ O ₄ single crystal nanocubes in aqueous solution. <i>Journal of Alloys and Compounds</i> , 2013 , 550, 348-352	5.7	46
30	Evidencing Interfacial Charge Transfer in 2D CdS/2D MXene Schottky Heterojunctions toward High-Efficiency Photocatalytic Hydrogen Production. <i>Solar Rrl</i> , 2021 , 5, 2000414	7.1	46
29	Cu-Cu ₂ O-TiO ₂ nanojunction systems with an unusual electron-hole transportation pathway and enhanced photocatalytic properties. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 1265-70	4.5	43
28	Revealing and accelerating interfacial charge carrier dynamics in Z-scheme heterojunctions for highly efficient photocatalytic oxygen evolution. <i>Applied Catalysis B: Environmental</i> , 2020 , 268, 118445	21.8	43
27	Enhanced Base-Free Formic Acid Production from CO on Pd/g-C N by Tuning of the Carrier Defects. <i>ChemSusChem</i> , 2018 , 11, 2859-2869	8.3	30
26	Tailoring Nitrogen-Doped Carbons as Hosts for Single-Atom Catalysts. <i>ChemCatChem</i> , 2019 , 11, 2812-2820	3.0	26
25	Surface Engineering of Carbon Nitride Electrode by Molecular Cobalt Species and Their Photoelectrochemical Application. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 1539-1543	4.5	26
24	Enhancement of the Photocatalytic Activity of Carbon Nitrides by Complex Templating. <i>Chemistry - A European Journal</i> , 2015 , 21, 10805-11	4.8	24
23	Enhancing photocatalytic activity of Sn doped TiO ₂ dominated with {1 0 5} facets. <i>Catalysis Today</i> , 2014 , 225, 18-23	5.3	21
22	Assembly of ultrathin PbBiO ₂ Br nanosheets with enhanced visible light photocatalytic properties. <i>RSC Advances</i> , 2013 , 3, 10687	3.7	21
21	Disordered Co _{1.28} Mn _{1.71} O ₄ as a visible-light-responsive photocatalyst for hydrogen evolution. <i>Chemistry - A European Journal</i> , 2013 , 19, 4123-7	4.8	19

20	Baking Crumbly Carbon nitrides with improved photocatalytic properties using ammonium chloride. <i>RSC Advances</i> , 2016 , 6, 2910-2913	3.7	18
19	Bifunctional Hierarchical Zeolite-Supported Silver Catalysts for the Conversion of Glycerol to Allyl Alcohol. <i>ChemCatChem</i> , 2017 , 9, 2195-2202	5.2	17
18	Tunability and Scalability of Single-Atom Catalysts Based on Carbon Nitride. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 5223-5230	8.3	17
17	Carrier-Induced Modification of Palladium Nanoparticles on Porous Boron Nitride for Alkyne Semi-Hydrogenation. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19639-19644	16.4	17
16	Coupling solar-driven photothermal effect into photocatalysis for sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127128	12.8	16
15	Rational-Designed Principles for Electrochemical and Photoelectrochemical Upgrading of CO to Value-Added Chemicals.. <i>Advanced Science</i> , 2022 , e2105204	13.6	13
14	Hierarchical Porous Wood Cellulose Scaffold with Atomically Dispersed Pt Catalysts for Low-Temperature Ethylene Decomposition. <i>ACS Nano</i> , 2019 , 13, 14337-14347	16.7	12
13	Atom-by-Atom Resolution of Structure-Function Relations over Low-Nuclearity Metal Catalysts. <i>Angewandte Chemie</i> , 2019 , 131, 8816-8821	3.6	11
12	Facile assembly of a graphitic carbon nitride film at an air/water interface for photoelectrochemical NADH regeneration. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 2434-2442	6.8	11
11	Carrier-Induced Modification of Palladium Nanoparticles on Porous Boron Nitride for Alkyne Semi-Hydrogenation. <i>Angewandte Chemie</i> , 2020 , 132, 19807-19812	3.6	7
10	Surface engineering of ultrasmall supported PdBi nanoalloys with enhanced electrocatalytic activity for selective alcohol oxidation. <i>Chemical Communications</i> , 2019 , 55, 13566-13569	5.8	7
9	Recent Progress in Materials Exploration for Thermocatalytic, Photocatalytic, and Integrated Photothermocatalytic CO ₂ -to-Fuel Conversion. <i>Advanced Energy and Sustainability Research</i> , 2022 , 3, 2100169	1.6	5
8	Degradation of Sodium Polystyrene Sulfonate and the Radical Initiated Polymerization of Styrene Under Ultrasonic Irradiation. <i>Polymer-Plastics Technology and Engineering</i> , 2011 , 50, 1262-1265		3
7	Catalysts: Stabilization of Single Metal Atoms on Graphitic Carbon Nitride (Adv. Funct. Mater. 8/2017). <i>Advanced Functional Materials</i> , 2017 , 27,	15.6	2
6	Iron-doping Accelerating NADH Oxidation over Carbon Nitride. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 1076-1082	2.2	2
5	Synthesis of atomic platinum with high loading on metal-organic sulfide. <i>Science China Materials</i> , 2022 , 65, 1294-1302	7.1	2
4	Synergistic Promotion of Single-Atom Co Surrounding a PtCo Alloy Based On a g-C ₃ N ₄ Nanosheet for Overall Water Splitting. <i>ACS Catalysis</i> , 6958-6967	13.1	2
3	Facile regeneration of oxidized porous carbon nitride rods by the de-aromatization of the heptazine network in bulk g-C ₃ N ₄ . <i>Inorganic Chemistry Frontiers</i> ,	6.8	1

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| 2 | Nickel-Based Metal-Organic Framework-Derived Bifunctional Electrocatalysts for Hydrogen and Oxygen Evolution Reactions. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2009054-0 | 3.8 | 1 |
| 1 | Enhanced Base-Free Formic Acid Production from CO ₂ on Pd/g-C ₃ N ₄ by Tuning of the Carrier Defects. <i>ChemSusChem</i> , 2018 , 11, 2841-2841 | 8.3 | |