

# Chao Zhou

## List of Publications by Year in descending order

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48  
papers

6,536  
citations

172457

29  
h-index

214800

47  
g-index

48  
all docs

48  
docs citations

48  
times ranked

8448  
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-Selective <i>N</i> - and <i>C</i> Heteroarylation of Indole with HeteroarylNitriles by Organocatalysis under Visible Light. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
2	Site-Selective <i>N</i> - and <i>C</i> Heteroarylation of Indole with HeteroarylNitriles by Organocatalysis under Visible Light. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2
3	Photothermal-Assisted Photocatalytic Nitrogen Oxidation to Nitric Acid on Palladium-Decorated Titanium Oxide. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	34
4	Layered Double Hydroxide Engineering for the Photocatalytic Conversion of Inactive Carbon and Nitrogen Molecules. <i>ACS ES&amp;T Engineering</i> , 2022, 2, 1088-1102.	7.6	12
5	Poly(ethylene oxide) Is Positively Charged in Aqueous Solutions. <i>Gels</i> , 2022, 8, 213.	4.5	6
6	Interfacial wettability and mass transfer characterizations for gas-liquid-solid triple-phase catalysis. <i>Exploration</i> , 2022, 2, .	11.0	21
7	Sub-3 nm Ultrafine Cu <sub>2</sub> O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2554-2560.	13.8	134
8	Sub-3 nm Ultrafine Cu <sub>2</sub> O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie</i> , 2021, 133, 2584-2590.	2.0	13
9	Effect of Counterion Binding to Swelling of Polyelectrolyte Brushes. <i>Langmuir</i> , 2021, 37, 5554-5562.	3.5	7
10	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21728-21731.	13.8	63
11	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. <i>Angewandte Chemie</i> , 2021, 133, 21896-21899.	2.0	8
12	Enhancing the Supply of Activated Hydrogen to Promote Photocatalytic Nitrogen Fixation. , 2021, 3, 1521-1527.		35
13	Flux-Assisted Low Temperature Synthesis of SnNb <sub>2</sub> O <sub>6</sub> Nanoplates with Enhanced Visible Light Driven Photocatalytic H <sub>2</sub> -Production. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23219-23225.	3.1	8
14	Direct C-H Thiolation for Selective Cross-Coupling of Arenes with Thiophenols via Aerobic Visible-Light Catalysis. <i>Organic Letters</i> , 2021, 23, 8082-8087.	4.6	21
15	Metal-Free, Redox-Neutral, Site-Selective Access to Heteroarylamine via Direct Radical-Radical Cross-Coupling Powered by Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2020, 142, 16805-16813.	13.7	84
16	Visible Light-Catalyzed Benzylic C-H Bond Chlorination by a Combination of Organic Dye (Acr <sup>+</sup> -Mes) and <i>N</i> -Chlorosuccinimide. <i>Journal of Organic Chemistry</i> , 2020, 85, 9080-9087.	3.2	40
17	Efficient wettability-controlled electroreduction of CO <sub>2</sub> to CO at Au/C interfaces. <i>Nature Communications</i> , 2020, 11, 3028.	12.8	294
18	How to make use of methanol in green catalytic hydrogen production?. <i>Nano Select</i> , 2020, 1, 12-29.	3.7	60

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19	Efficient Photocatalytic Nitrogen Fixation over Cu <sup>+</sup> -Modified Defective ZnAl <sub>2</sub> O <sub>4</sub> Layered Double Hydroxide Nanosheets. <i>Advanced Energy Materials</i> , 2020, 10, 1901973.	19.5	173
20	Aggregation-Enabled Intermolecular Photo[2+2]cycloaddition of Aryl Terminal Olefins by Visible-Light Catalysis. <i>CCS Chemistry</i> , 2020, 2, 582-588.	7.8	17
21	Supramolecular precursor strategy for the synthesis of holey graphitic carbon nitride nanotubes with enhanced photocatalytic hydrogen evolution performance. <i>Nano Research</i> , 2019, 12, 2385-2389.	10.4	192
22	Two-dimensional Sn <sub>2</sub> Ta <sub>2</sub> O <sub>7</sub> nanosheets as efficient visible light-driven photocatalysts for hydrogen evolution. <i>Rare Metals</i> , 2019, 38, 397-403.	7.1	49
23	Construction of Cyclobutanes by Multicomponent Cascade Reactions in Homogeneous Solution through Visible-Light Catalysis. <i>Chemistry - A European Journal</i> , 2019, 25, 879-884.	3.3	13
24	Template-free large-scale synthesis of g-C <sub>3</sub> N <sub>4</sub> microtubes for enhanced visible light-driven photocatalytic H <sub>2</sub> production. <i>Nano Research</i> , 2018, 11, 3462-3468.	10.4	199
25	Photo-induced reductive cross-coupling of aldehydes, ketones and imines with electron-deficient arenes to construct aryl substituted alcohols and amines. <i>Chinese Journal of Catalysis</i> , 2018, 39, 487-494.	14.0	23
26	Chemo- and Regioselective Synthesis of Alkynyl Cyclobutanes by Visible Light Photocatalysis. <i>Organic Letters</i> , 2018, 20, 6808-6811.	4.6	8
27	Alkali-Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visible-Light-Driven Hydrogen Evolution. <i>Advanced Materials</i> , 2017, 29, 1605148.	21.0	1,616
28	Photocatalysis: Alkali-Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visible-Light-Driven Hydrogen Evolution ( <i>Adv. Mater.</i> 16/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	10
29	General and Efficient Intermolecular [2+2] Photodimerization of Chalcones and Cinnamic Acid Derivatives in Solution through Visible-Light Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15407-15410.	13.8	128
30	General and Efficient Intermolecular [2+2] Photodimerization of Chalcones and Cinnamic Acid Derivatives in Solution through Visible-Light Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 15609-15612.	2.0	30
31	Effect of Nitrogen Doping Level on the Performance of N-Doped Carbon Quantum Dot/TiO <sub>2</sub> Composites for Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2017, 10, 4650-4656.	6.8	171
32	A Sustainable Strategy for the Synthesis of Pyrochlore H <sub>4</sub> Nb <sub>2</sub> O <sub>7</sub> Hollow Microspheres as Photocatalysts for Overall Water Splitting. <i>ChemPlusChem</i> , 2017, 82, 181-185.	2.8	30
33	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1501241.	19.5	253
34	Hydrogen Evolution: CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution ( <i>Adv. Energy Mater.</i> 3/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	3
35	Carbon Nanosheets: Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C <sub>3</sub> N <sub>4</sub> as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction ( <i>Adv. Mater.</i> 25/2016). <i>Advanced Materials</i> , 2016, 28, 5140-5140.	21.0	44
36	Nitrogen-Doped Porous Carbon Nanosheets Templated from g-C <sub>3</sub> N <sub>4</sub> as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2016, 28, 5080-5086.	21.0	718

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37	Facile synthesis of ultrathin SnNb <sub>2</sub> O <sub>6</sub> nanosheets towards improved visible-light photocatalytic H <sub>2</sub> -production activity. Chemical Communications, 2016, 52, 8239-8242.	4.1	79
38	Radical Addition of Hydrazones by $\alpha$ -Bromo Ketones To Prepare 1,3,5-Trisubstituted Pyrazoles via Visible Light Catalysis. Journal of Organic Chemistry, 2016, 81, 7127-7133.	3.2	53
39	Photoreduction: Defect-Rich Ultrathin ZnAl-Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO <sub>2</sub> to CO with Water (Adv. Mater. 47/2015). Advanced Materials, 2015, 27, 7823-7823.	21.0	25
40	Defect-Rich Ultrathin ZnAl-Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO <sub>2</sub> to CO with Water. Advanced Materials, 2015, 27, 7824-7831.	21.0	608
41	Highly luminescent nitrogen-doped carbon quantum dots as effective fluorescent probes for mercuric and iodide ions. Journal of Materials Chemistry C, 2015, 3, 1922-1928.	5.5	173
42	Carbon quantum dots/TiO <sub>2</sub> composites for efficient photocatalytic hydrogen evolution. Journal of Materials Chemistry A, 2014, 2, 3344.	10.3	601
43	One-Pot Hydrothermal Synthesis and Photocatalytic Hydrogen Evolution of Pyrochlore Type K <sub>2</sub> Nb <sub>2</sub> O <sub>6</sub> . Chinese Journal of Chemistry, 2014, 32, 485-490.	4.9	24
44	Palladium catalysed $\beta$ -selective oxidative Heck reaction of an electron-rich olefin. Chemical Communications, 2014, 50, 1110-1112.	4.1	31
45	Facile preparation of black Nb <sup>4+</sup> -self-doped K <sub>4</sub> Nb <sub>6</sub> O <sub>17</sub> microspheres with high solar absorption and enhanced photocatalytic activity. Chemical Communications, 2014, 50, 9554.	4.1	92
46	Facile synthesis of hierarchical ZnIn <sub>2</sub> S <sub>4</sub> submicrospheres composed of ultrathin mesoporous nanosheets as a highly efficient visible-light-driven photocatalyst for H <sub>2</sub> production. Journal of Materials Chemistry A, 2013, 1, 4552.	10.3	166
47	Bubble template synthesis of Sn <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> hollow spheres for enhanced visible-light-driven photocatalytic hydrogen production. Chemical Communications, 2013, 49, 9872.	4.1	84
48	Shape-controlled synthesis of polyhedral 50-facet Cu <sub>2</sub> O microcrystals with high-index facets. CrystEngComm, 2012, 14, 4431.	2.6	70