

Chao Zhou

List of Publications by Year in descending order

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48
papers

6,536
citations

172457

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214800

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docs citations

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times ranked

8448
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#	ARTICLE	IF	CITATIONS
1	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
2	Nitrogen-Doped Porous Carbon Nanosheets Templated from $g-C_3N_4$ as Metal-Free Electrocatalysts for Efficient Oxygen Reduction Reaction. <i>Advanced Materials</i> , 2016, 28, 5080-5086.	21.0	718
3	Defect-Rich Ultrathin ZnAl-Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO_2 to CO with Water. <i>Advanced Materials</i> , 2015, 27, 7824-7831.	21.0	608
4	Carbon quantum dots/TiO ₂ composites for efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2014, 2, 3344.	10.3	601
5	Efficient wettability-controlled electroreduction of CO ₂ to CO at Au/C interfaces. <i>Nature Communications</i> , 2020, 11, 3028.	12.8	294
6	CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution. <i>Advanced Energy Materials</i> , 2016, 6, 1501241.	19.5	253
7	Template-free large-scale synthesis of g-C ₃ N ₄ microtubes for enhanced visible light-driven photocatalytic H ₂ production. <i>Nano Research</i> , 2018, 11, 3462-3468.	10.4	199
8	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
9	Highly luminescent nitrogen-doped carbon quantum dots as effective fluorescent probes for mercuric and iodide ions. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1922-1928.	5.5	173
10	Efficient Photocatalytic Nitrogen Fixation over Cu ⁺ -Modified Defective ZnAl-Layered Double Hydroxide Nanosheets. <i>Advanced Energy Materials</i> , 2020, 10, 1901973.	19.5	173
11	Effect of Nitrogen Doping Level on the Performance of N-Doped Carbon Quantum Dot/TiO ₂ Composites for Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2017, 10, 4650-4656.	6.8	171
12	Facile synthesis of hierarchical ZnIn ₂ S ₄ submicrospheres composed of ultrathin mesoporous nanosheets as a highly efficient visible-light-driven photocatalyst for H ₂ production. <i>Journal of Materials Chemistry A</i> , 2013, 1, 4552.	10.3	166
13	Sub-3 nm Ultrafine Cu ₂ O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2554-2560.	13.8	134
14	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
15	Facile preparation of black Nb ⁴⁺ -self-doped K ₄ Nb ₆ O ₁₇ microspheres with high solar absorption and enhanced photocatalytic activity. <i>Chemical Communications</i> , 2014, 50, 9554.	4.1	92
16	Bubble template synthesis of Sn ₂ Nb ₂ O ₇ hollow spheres for enhanced visible-light-driven photocatalytic hydrogen production. <i>Chemical Communications</i> , 2013, 49, 9872.	4.1	84
17	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
18	Facile synthesis of ultrathin SnNb ₂ O ₆ nanosheets towards improved visible-light photocatalytic H ₂ -production activity. <i>Chemical Communications</i> , 2016, 52, 8239-8242.	4.1	79

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19	Shape-controlled synthesis of polyhedral 50-facet Cu ₂ O microcrystals with high-index facets. <i>CrystEngComm</i> , 2012, 14, 4431.	2.6	70
20	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 21728-21731.	13.8	63
21	How to make use of methanol in green catalytic hydrogen production?. <i>Nano Select</i> , 2020, 1, 12-29.	3.7	60
22	Radical Addition of Hydrazones by α -Bromo Ketones To Prepare 1,3,5-Trisubstituted Pyrazoles via Visible Light Catalysis. <i>Journal of Organic Chemistry</i> , 2016, 81, 7127-7133.	3.2	53
23	Two-dimensional Sn ₂ Ta ₂ O ₇ nanosheets as efficient visible light-driven photocatalysts for hydrogen evolution. <i>Rare Metals</i> , 2019, 38, 397-403.	7.1	49
24	Carbon Nanosheets: Nitrogen-Doped Porous Carbon Nanosheets Templated from C_3N_4 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
25	Visible Light-Catalyzed Benzylic C-H Bond Chlorination by a Combination of Organic Dye (Acr ⁺ -Mes) and <i>N</i> -Chlorosuccinimide. <i>Journal of Organic Chemistry</i> , 2020, 85, 9080-9087.	3.2	40
26	Enhancing the Supply of Activated Hydrogen to Promote Photocatalytic Nitrogen Fixation. , 2021, 3, 1521-1527.		35
27	Photothermal-Assisted Photocatalytic Nitrogen Oxidation to Nitric Acid on Palladium-Decorated Titanium Oxide. <i>Advanced Energy Materials</i> , 2022, 12, .	19.5	34
28	Palladium catalysed β -selective oxidative Heck reaction of an electron-rich olefin. <i>Chemical Communications</i> , 2014, 50, 1110-1112.	4.1	31
29	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
30	A Sustainable Strategy for the Synthesis of Pyrochlore H ₄ Nb ₂ O ₇ Hollow Microspheres as Photocatalysts for Overall Water Splitting. <i>ChemPlusChem</i> , 2017, 82, 181-185.	2.8	30
31	Photoreduction: Defect-Rich Ultrathin ZnAl-Layered Double Hydroxide Nanosheets for Efficient Photoreduction of CO ₂ to CO with Water (<i>Adv. Mater.</i> 47/2015). <i>Advanced Materials</i> , 2015, 27, 7823-7823.	21.0	25
32	One-Pot Hydrothermal Synthesis and Photocatalytic Hydrogen Evolution of Pyrochlore Type K ₂ Nb ₂ O ₆ . <i>Chinese Journal of Chemistry</i> , 2014, 32, 485-490.	4.9	24
33	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
34	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
35	Interfacial wettability and mass transfer characterizations for gas-liquid-solid triple-phase catalysis. <i>Exploration</i> , 2022, 2, .	11.0	21
36	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

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37	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
38	Sub-3 nm Ultrafine Cu ₂ O for Visible Light Driven Nitrogen Fixation. <i>Angewandte Chemie</i> , 2021, 133, 2584-2590.	2.0	13
39	Layered Double Hydroxide Engineering for the Photocatalytic Conversion of Inactive Carbon and Nitrogen Molecules. <i>ACS ES&T Engineering</i> , 2022, 2, 1088-1102.	7.6	12
40	Site-Selective C ₁ and C ₃ Heteroarylation of Indole with Heteroarylnitriles by Organocatalysis under Visible Light. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	11
41	Photocatalysis: Alkali-Assisted Synthesis of Nitrogen Deficient Graphitic Carbon Nitride with Tunable Band Structures for Efficient Visible-Light-Driven Hydrogen Evolution (Adv. Mater. 16/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	10
42	Chemo- and Regioselective Synthesis of Alkynyl Cyclobutanes by Visible Light Photocatalysis. <i>Organic Letters</i> , 2018, 20, 6808-6811.	4.6	8
43	Revealing Ammonia Quantification Minefield in Photo/Electrocatalysis. <i>Angewandte Chemie</i> , 2021, 133, 21896-21899.	2.0	8
44	Flux-Assisted Low Temperature Synthesis of SnNb ₂ O ₆ Nanoplates with Enhanced Visible Light Driven Photocatalytic H ₂ -Production. <i>Journal of Physical Chemistry C</i> , 2021, 125, 23219-23225.	3.1	8
45	Effect of Counterion Binding to Swelling of Polyelectrolyte Brushes. <i>Langmuir</i> , 2021, 37, 5554-5562.	3.5	7
46	Poly(ethylene oxide) Is Positively Charged in Aqueous Solutions. <i>Gels</i> , 2022, 8, 213.	4.5	6
47	Hydrogen Evolution: CdS Nanoparticle-Decorated Cd Nanosheets for Efficient Visible Light-Driven Photocatalytic Hydrogen Evolution (Adv. Energy Mater. 3/2016). <i>Advanced Energy Materials</i> , 2016, 6, .	19.5	3
48	Site-Selective C ₁ and C ₃ Heteroarylation of Indole with Heteroarylnitriles by Organocatalysis under Visible Light. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	2