

List of Publications by Year in descending order

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61
papers

15,115
citations

61945

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65
times ranked

13316
citing authors

#	ARTICLE	IF	CITATIONS
1	Donor–Acceptor Modification of Carbon Nitride for Enhanced Photocatalytic Hydrogen Evolution. <i>Advanced Sustainable Systems</i> , 2023, 7, .	2.7	14
2	CsPbBr ₃ perovskite based tandem device for CO ₂ photoreduction. <i>Chemical Engineering Journal</i> , 2022, 443, 136447.	6.6	8
3	Promoting intramolecular charge transfer of graphitic carbon nitride by donor–acceptor modulation for visible–light photocatalytic H ₂ evolution. , 2022, 1, 294-308.		92
4	Advances in designing heterojunction photocatalytic materials. <i>Chinese Journal of Catalysis</i> , 2021, 42, 710-730.	6.9	182
5	All-organic Z-scheme photoreduction of CO ₂ with water as the donor of electrons and protons. <i>Applied Catalysis B: Environmental</i> , 2021, 285, 119773.	10.8	19
6	An Inorganic/Organic S–Scheme Heterojunction H ₂ –Production Photocatalyst and its Charge Transfer Mechanism. <i>Advanced Materials</i> , 2021, 33, e2100317.	11.1	528
7	Ultra-Thin Carbon-Doped Bi ₂ WO ₆ Nanosheets for Enhanced Photocatalytic CO ₂ Reduction. <i>Transactions of Tianjin University</i> , 2021, 27, 338-347.	3.3	29
8	A 3D Hierarchical Ti ₃ C ₂ T _x /TiO ₂ Heterojunction for Enhanced Photocatalytic CO ₂ Reduction. <i>ChemNanoMat</i> , 2021, 7, 910-915.	1.5	14
9	Ultrathin 2D/2D Graphdiyne/Bi ₂ WO ₆ Heterojunction for Gas-Phase CO ₂ Photoreduction. <i>ACS Applied Energy Materials</i> , 2021, 4, 8734-8738.	2.5	23
10	Solar-Driven Glucose Isomerization into Fructose via Transient Lewis Acid–Base Active Sites. <i>ACS Catalysis</i> , 2021, 11, 12170-12178.	5.5	36
11	Potassium/oxygen co-doped polymeric carbon nitride for enhanced photocatalytic CO ₂ reduction. <i>Applied Surface Science</i> , 2021, 563, 150310.	3.1	18
12	–Environmental phosphorylation–boosting photocatalytic CO ₂ reduction over polymeric carbon nitride grown on carbon paper at air-liquid-solid joint interfaces. <i>Chinese Journal of Catalysis</i> , 2021, 42, 1667-1676.	6.9	33
13	Nanocages of Polymeric Carbon Nitride from Low–Temperature Supramolecular Preorganization for Photocatalytic CO ₂ Reduction. <i>Solar Rrl</i> , 2020, 4, 1900469.	3.1	38
14	Enhanced photochemical CO ₂ reduction in the gas phase by graphdiyne. <i>Journal of Materials Chemistry A</i> , 2020, 8, 7671-7676.	5.2	52
15	A Single Cu-Center Containing Enzyme-Mimic Enabling Full Photosynthesis under CO ₂ Reduction. <i>ACS Nano</i> , 2020, 14, 8584-8593.	7.3	166
16	Designing a 0D/2D S–Scheme Heterojunction over Polymeric Carbon Nitride for Visible–Light Photocatalytic Inactivation of Bacteria. <i>Angewandte Chemie</i> , 2020, 132, 5256-5263.	1.6	14
17	Designing a 0D/2D S–Scheme Heterojunction over Polymeric Carbon Nitride for Visible–Light Photocatalytic Inactivation of Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 5218-5225.	7.2	822
18	Improving Artificial Photosynthesis over Carbon Nitride by Gas–Liquid–Solid Interface Management for Full Light–Induced CO ₂ Reduction to C ₁ and C ₂ Fuels and O ₂ . <i>ChemSusChem</i> , 2020, 13, 1730-1734.	3.6	59

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19	Controlling defects in crystalline carbon nitride to optimize photocatalytic CO ₂ reduction. <i>Chemical Communications</i> , 2020, 56, 5641-5644.	2.2	83
20	Photocatalysts based on polymeric carbon nitride for solar-to-fuel conversion. <i>Interface Science and Technology</i> , 2020, 31, 475-507.	1.6	2
21	Highly Selective CO ₂ Capture and Its Direct Photochemical Conversion on Ordered 2D/1D Heterojunctions. <i>Joule</i> , 2019, 3, 2792-2805.	11.7	189
22	Ni-P cluster modified carbon nitride toward efficient photocatalytic hydrogen production. <i>Chinese Journal of Catalysis</i> , 2019, 40, 867-874.	6.9	73
23	Designing Defective Crystalline Carbon Nitride to Enable Selective CO ₂ Photoreduction in the Gas Phase. <i>Advanced Functional Materials</i> , 2019, 29, 1900093.	7.8	254
24	2D/2D Heterojunction of Ultrathin MXene/Bi ₂ WO ₆ Nanosheets for Improved Photocatalytic CO ₂ Reduction. <i>Advanced Functional Materials</i> , 2018, 28, 1800136.	7.8	1,157
25	Effect of sacrificial agents on the dispersion of metal cocatalysts for photocatalytic hydrogen evolution. <i>Applied Surface Science</i> , 2018, 442, 361-367.	3.1	33
26	Dependence of Exposed Facet of Pd on Photocatalytic H ₂ -Production Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6478-6487.	3.2	41
27	Single-Atom Engineering of Directional Charge Transfer Channels and Active Sites for Photocatalytic Hydrogen Evolution. <i>Advanced Functional Materials</i> , 2018, 28, 1802169.	7.8	287
28	From Millimeter to Subnanometer: Vapor-Phase Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie</i> , 2017, 129, 8546-8550.	1.6	16
29	Trace-level phosphorus and sodium co-doping of g-C ₃ N ₄ for enhanced photocatalytic H ₂ production. <i>Journal of Power Sources</i> , 2017, 351, 151-159.	4.0	205
30	Facet effect of Pd cocatalyst on photocatalytic CO ₂ reduction over g-C ₃ N ₄ . <i>Journal of Catalysis</i> , 2017, 349, 208-217.	3.1	332
31	From Millimeter to Subnanometer: Vapor-Phase Solid Deposition of Carbon Nitride Hierarchical Nanostructures Directed by Supramolecular Assembly. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8426-8430.	7.2	90
32	Cu ₂ (OH) ₂ CO ₃ clusters: Novel noble-metal-free cocatalysts for efficient photocatalytic hydrogen production from water splitting. <i>Applied Catalysis B: Environmental</i> , 2017, 205, 104-111.	10.8	137
33	Ultra-thin nanosheet assemblies of graphitic carbon nitride for enhanced photocatalytic CO ₂ reduction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 3230-3238.	5.2	621
34	A comparison study of alkali metal-doped g-C ₃ N ₄ for visible-light photocatalytic hydrogen evolution. <i>Chinese Journal of Catalysis</i> , 2017, 38, 1981-1989.	6.9	244
35	Carbon-based H ₂ -production photocatalytic materials. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2016, 27, 72-99.	5.6	252
36	Room-temperature synthesis of BiOI with tailorable (0 0 1) facets and enhanced photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2016, 478, 201-208.	5.0	74

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37	Size- and shape-dependent catalytic performances of oxidation and reduction reactions on nanocatalysts. <i>Chemical Society Reviews</i> , 2016, 45, 4747-4765.	18.7	568
38	Shape-dependent photocatalytic hydrogen evolution activity over a Pt nanoparticle coupled g-C ₃ N ₄ photocatalyst. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 19457-19463.	1.3	190
39	TiO ₂ nanosheets with exposed {001} facets for photocatalytic applications. <i>Nano Research</i> , 2016, 9, 3-27.	5.8	327
40	Au/PtO nanoparticle-modified g-C ₃ N ₄ for plasmon-enhanced photocatalytic hydrogen evolution under visible light. <i>Journal of Colloid and Interface Science</i> , 2016, 461, 56-63.	5.0	169
41	Microwave-assisted solvothermal synthesis of Bi ₄ O ₅ I ₂ hierarchical architectures with high photocatalytic performance. <i>Catalysis Today</i> , 2016, 264, 221-228.	2.2	100
42	Structure effect of graphene on the photocatalytic performance of plasmonic Ag/Ag ₂ CO ₃ -rGO for photocatalytic elimination of pollutants. <i>Applied Catalysis B: Environmental</i> , 2016, 181, 71-78.	10.8	219
43	Supramolecular Chemistry in Molten Sulfur: Preorganization Effects Leading to Marked Enhancement of Carbon Nitride Photoelectrochemistry. <i>Advanced Functional Materials</i> , 2015, 25, 6265-6271.	7.8	89
44	Polymeric Photocatalysts Based on Graphitic Carbon Nitride. <i>Advanced Materials</i> , 2015, 27, 2150-2176.	11.1	3,046
45	Dual Z-scheme charge transfer in TiO ₂ @Ag@Cu ₂ O composite for enhanced photocatalytic hydrogen generation. <i>Journal of Materials</i> , 2015, 1, 124-133.	2.8	86
46	A uniform heterogeneous photocatalyst: integrated n type CuInS ₂ /NaInS ₂ nanosheets by partial ion exchange reaction for efficient H ₂ evolution. <i>Chemical Communications</i> , 2015, 51, 9381-9384.	2.2	22
47	Efficient photocatalytic reduction of CO ₂ by amine-functionalized g-C ₃ N ₄ . <i>Applied Surface Science</i> , 2015, 358, 350-355.	3.1	229
48	3D BiOI@GO composite with enhanced photocatalytic performance for phenol degradation under visible-light. <i>Ceramics International</i> , 2015, 41, 3511-3517.	2.3	74
49	Semiconductor-based photocatalytic CO ₂ conversion. <i>Materials Horizons</i> , 2015, 2, 261-278.	6.4	380
50	g-C ₃ N ₄ modified TiO ₂ nanosheets with enhanced photoelectric conversion efficiency in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2015, 274, 77-84.	4.0	241
51	Enhanced photocatalytic activity and stability of Z-scheme Ag ₂ CrO ₄ -GO composite photocatalysts for organic pollutant degradation. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 380-388.	10.8	483
52	Enhanced photocatalytic CO ₂ -reduction activity of electrospun mesoporous TiO ₂ nanofibers by solvothermal treatment. <i>Dalton Transactions</i> , 2014, 43, 9158.	1.6	105
53	A strategy for in-situ synthesis of well-defined core-shell Au@TiO ₂ hollow spheres for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2014, 257, 112-121.	6.6	51
54	Recent advances in visible light Bi-based photocatalysts. <i>Chinese Journal of Catalysis</i> , 2014, 35, 989-1007.	6.9	481

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55	Two-dimensional layered composite photocatalysts. <i>Chemical Communications</i> , 2014, 50, 10768.	2.2	551
56	g-C ₃ N ₄ -Based Photocatalysts for Hydrogen Generation. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 2101-2107.	2.1	1,107
57	Vectorial doping-promoting charge transfer in anatase TiO ₂ {001} surface. <i>Applied Surface Science</i> , 2014, 319, 167-172.	3.1	55
58	Effects of the preparation method on the structure and the visible-light photocatalytic activity of Ag ₂ CrO ₄ . <i>Beilstein Journal of Nanotechnology</i> , 2014, 5, 658-666.	1.5	76
59	Ion-Induced Synthesis of Uniform Single-Crystalline Sulphide-Based Quaternary Alloy Hexagonal Nanorings for Highly Efficient Photocatalytic Hydrogen Evolution. <i>Advanced Materials</i> , 2013, 25, 2567-2572.	11.1	45
60	Surfactant-Free Sub-2 nm Ultrathin Triangular Gold Nanoframes. <i>Small</i> , 2013, 9, 2880-2886.	5.2	66
61	Gold Coating of Silver Nanoprisms. <i>Advanced Functional Materials</i> , 2012, 22, 849-854.	7.8	116