

Gongchang Zeng

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,683
citations

361045

20
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

2180
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the photocatalytic hydrogen production of Ag/g-C ₃ N ₄ nanocomposites by dye-sensitization under visible light irradiation. <i>Nanoscale</i> , 2016, 8, 2249-2259.	2.8	355
2	Design of Cu-Cu ₂ O/g-C ₃ N ₄ nanocomponent photocatalysts for hydrogen evolution under visible light irradiation using water-soluble Erythrosin B dye sensitization. <i>Applied Surface Science</i> , 2017, 391, 404-414.	3.1	195
3	In-situ synthesis of Cu nanoparticles hybridized with carbon quantum dots as a broad spectrum photocatalyst for improvement of photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2017, 206, 328-335.	10.8	162
4	Plasmonic Cu nanoparticle on reduced graphene oxide nanosheet support: An efficient photocatalyst for improvement of near-infrared photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 172-179.	10.8	127
5	Stable and improved visible-light photocatalytic hydrogen evolution using copper-organic frameworks: engineering the crystal structures. <i>Journal of Materials Chemistry A</i> , 2017, 5, 6013-6018.	5.2	93
6	3D reticulated carbon nitride materials high-uniformly capture OD black phosphorus as 3D/OD composites for stable and efficient photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2019, 7, 503-512.	5.2	75
7	Facile preparation of yttrium and aluminum co-doped ZnO via a sol-gel route for photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2014, 2, 11040-11044.	5.2	74
8	Alkali-assisted fabrication of holey carbon nitride nanosheet with tunable conjugated system for efficient visible-light-driven water splitting. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 877-885.	10.8	69
9	Fabrication of a non-semiconductor photocatalytic system using dendrite-like plasmonic CuNi bimetal combined with a reduced graphene oxide nanosheet for near-infrared photocatalytic H ₂ evolution. <i>Journal of Materials Chemistry A</i> , 2017, 5, 22772-22781.	5.2	55
10	Synthesis of a plasmonic CuNi bimetal modified with carbon quantum dots as a non-semiconductor-driven photocatalyst for effective water splitting. <i>Journal of Catalysis</i> , 2019, 369, 267-275.	3.1	53
11	Enhancement of hydrogen production of a Cu-TiO ₂ nanocomposite photocatalyst combined with broad spectrum absorption sensitizer Erythrosin B. <i>RSC Advances</i> , 2017, 7, 17873-17881.	1.7	50
12	Plasmon-induced broad spectrum photocatalytic overall water splitting: Through non-noble bimetal nanoparticles hybrid with reduced graphene oxide. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 646, 128962.	2.3	50
13	Effectively extending visible light absorption with a broad spectrum sensitizer for improving the H ₂ evolution of in-situ Cu/g-C ₃ N ₄ nanocomponents. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 14511-14521.	3.8	45
14	Ultrathin Carbon Nitride with Atomic-Level Intraplane Implantation of Graphited Carbon Ring Domain for Superior Photocatalytic Activity in the Visible/Near-Infrared Region. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 1239-1249.	3.2	40
15	Constructing a novel strategy for controllable synthesis of corrosion resistant Ti ³⁺ self-doped titanium-silicon materials with efficient hydrogen evolution activity from simulated seawater. <i>Nanoscale</i> , 2018, 10, 2275-2284.	2.8	39
16	Gas-Exfoliation Assisted Fabrication of Porous Graphene Nanosheets Derived from <i>Plumeria rubra</i> for Highly Efficient Photocatalytic Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 11536-11546.	3.2	35
17	Cd _{0.5} Zn _{0.5} S/Ti ₃ C ₂ MXene as a Schottky catalyst for highly efficient photocatalytic hydrogen evolution in seawater. <i>Applied Materials Today</i> , 2021, 22, 100926.	2.3	34
18	Selective deposition of plasmonic copper on few layers graphene with specific defects for efficiently synchronous photocatalytic hydrogen production. <i>Carbon</i> , 2019, 143, 257-267.	5.4	31

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19	Boosting the photocatalytic H ₂ evolution activity of Fe ₂ O ₃ polymorphs (1 [±] , 1 ³⁻ and 1 ²⁻ -Fe ₂ O ₃) by fullerene [C ₆₀]-modification and dye-sensitization under visible light irradiation. RSC Advances, 2017, 7, 29184-29192.	1.7	30
20	Vapor-polymerization strategy to carbon-rich holey few-layer carbon nitride nanosheets with large domain size for superior photocatalytic hydrogen evolution. Applied Surface Science, 2019, 464, 195-204.	3.1	21
21	Plasmonic CuCo/Carbon Dots: An Unconventional Photocatalyst Used for Photocatalytic Overall Water Splitting. ACS Sustainable Chemistry and Engineering, 2020, 8, 17979-17987.	3.2	21
22	In-situ Construction of Globe-like Carbon Nitride as a Self-Cocatalyst Modified Tree-like Carbon Nitride for Drastic Improvement in Visible-Light Photocatalytic Hydrogen Evolution. ChemCatChem, 2017, 9, 4035-4042.	1.8	20
23	Highly efficient photocatalytic overall water splitting on plasmonic Cu ₆ Sn ₅ /polyaniline nanocomposites. Journal of Colloid and Interface Science, 2022, 609, 785-793.	5.0	8
24	Alkali-assisted "cutting-thin" technique into a monolayer graphene and its distinctive defects engineering for efficient photocatalytic hydrogen production. Journal of Molecular Structure, 2021, 1244, 131000.	1.8	1