

Boron-doped nitrogen-deficient carbon nitride-based Z photocatalytic overall water splitting

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simple fabrication of Z-scheme MgIn ₂ S ₄ /Bi ₂ WO ₆ hierarchical heterostructures for enhancing photocatalytic reduction of Cr(^{VI}). Catalysis Science and Technology, 2021, 11, 6271-6280.	2.1	15
2	Integration of redox cocatalysts for artificial photosynthesis. Energy and Environmental Science, 2021, 14, 5260-5288.	15.6	105
3	Photo-accelerated Co ³⁺ /Co ²⁺ transformation on cobalt and phosphorus co-doped g-C ₃ N ₄ for Fenton-like reaction. Journal of Materials Chemistry A, 2021, 9, 22399-22409.	5.2	37
4	Efficient photocatalytic overall water splitting achieved with polymeric semiconductor-based Z-scheme heterostructures. Science China Chemistry, 2021, 64, 875-876.	4.2	4
5	Advancing Graphitic Carbon Nitride-Based Photocatalysts toward Broadband Solar Energy Harvesting. , 2021, 3, 663-697.		63
6	Photocatalytic overall water splitting by graphitic carbon nitride. Informa ^Å Ä-Materi ^Ä ly, 2021, 3, 931-961.	8.5	74
7	Photocatalytic overall water splitting of carbon nitride by band-structure modulation. Matter, 2021, 4, 1765-1767.	5.0	17
8	Carbon nitride of five-membered rings with low optical bandgap for photoelectrochemical biosensing. Chem, 2021, 7, 2708-2721.	5.8	64
9	Significantly Raised Visible ^Ä Light Photocatalytic H ₂ Evolution on a 2D/2D ReS ₂ /In ₂ ZnS ₄ van der Waals Heterostructure. Small, 2021, 17, e2100296.	5.2	38
10	Recent research progress of bimetallic phosphides-based nanomaterials as cocatalyst for photocatalytic hydrogen evolution. Chinese Chemical Letters, 2022, 33, 1141-1153.	4.8	149
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12	MoO ₃ /g-C ₃ N ₄ heterostructure for degradation of organic pollutants under visible light irradiation: High efficiency, general degradation and Z-scheme degradation mechanism. Ceramics International, 2021, 47, 33697-33708.	2.3	19
13	Regulating Local Electron Density of Iron Single Sites by Introducing Nitrogen Vacancies for Efficient Photo ^Ä Fenton Process. Angewandte Chemie - International Edition, 2021, 60, 21261-21266.	7.2	158
14	Few ^Ä Layered Mo _{1-x} W _{1^Ä} S ₂ ^Ä Modified CdS Photocatalyst: One ^Ä Step Synthesis with Bifunctional Precursors and Improved H ₂ ^Ä Evolution Activity. Solar Rrl, 2021, 5, 2100387.	3.1	19
15	Regulating Local Electron Density of Iron Single Sites by Introducing Nitrogen Vacancies for Efficient Photo ^Ä Fenton Process. Angewandte Chemie, 2021, 133, 21431-21436.	1.6	12
16	Dopant and Defect Doubly Modified CeO ₂ /g-C ₃ N ₄ Nanosheets as OD/2D Z-Scheme Heterojunctions for Photocatalytic Hydrogen Evolution: Experimental and Density Functional Theory Studies. ACS Sustainable Chemistry and Engineering, 2021, 9, 11479-11492.	3.2	36
17	Photoinduced Generation of Metastable Sulfur Vacancies Enhancing the Intrinsic Hydrogen Evolution Behavior of Semiconductors. Solar Rrl, 2021, 5, 2100580.	3.1	8
18	Ultrathin Crystalline Covalent ^Ä Triazine ^Ä Framework Nanosheets with Electron Donor Groups for Synergistically Enhanced Photocatalytic Water Splitting. Angewandte Chemie, 2021, 133, 25585-25594.	1.6	8

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19	3D porous BN/rGO skeleton embedded by MoS ₂ nanostructures for simulated-solar-light induced hydrogen production. <i>Chemical Engineering Journal</i> , 2022, 435, 132441.	6.6	13
20	Oxalic acid induced defect state graphitic carbon nitride with improved photocatalytic performance. <i>Journal of Molecular Structure</i> , 2022, 1249, 131611.	1.8	3
21	Noble-Metal-Free Ni ₃ S ₂ -C ₃ N ₄ Hybrid Nanosheet with Highly Efficient Photocatalytic Performance. <i>Catalysts</i> , 2021, 11, 1089.	1.6	8
22	Ultrathin Crystalline Covalent Triazine Framework Nanosheets with Electron Donor Groups for Synergistically Enhanced Photocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 25381-25390.	7.2	104
23	Constructing porous channels in superhydrophilic polyethersulfone composite nanofibrous membranes for sustainably enhanced photocatalytic activities in wastewater remediation. <i>Composites Science and Technology</i> , 2021, 214, 108993.	3.8	17
24	Constructing oxide/sulfide in-plane heterojunctions with enlarged internal electric field for efficient CO ₂ photoreduction. <i>Applied Catalysis B: Environmental</i> , 2021, 297, 120394.	10.8	41
25	Realization of all-in-one hydrogen-evolving photocatalysts via selective atomic substitution. <i>Applied Catalysis B: Environmental</i> , 2021, 298, 120518.	10.8	49
26	A review on particulate photocatalytic hydrogen production system: Progress made in achieving high energy conversion efficiency and key challenges ahead. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 152, 111694.	8.2	76
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35	Fabrication of 0D/2D TiO ₂ Nanodots/g-C ₃ N ₄ S-scheme heterojunction photocatalyst for efficient photocatalytic overall water splitting. <i>Applied Surface Science</i> , 2022, 571, 151287.	3.1	69
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92	Porous Nitrogen-Defected Carbon Nitride Derived from A Precursor Pretreatment Strategy for Efficient Photocatalytic Degradation and Hydrogen Evolution. <i>Langmuir</i> , 2022, 38, 828-837.	1.6	19
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128	H ₂ S Involved Photocatalytic System: A Novel Syngas Production Strategy by Boosting the Photoreduction of CO ₂ While Recovering Hydrogen from the Environmental Toxicant. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	12
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146	Carbon and phosphorus co-doped carbon nitride hollow tube for improved photocatalytic hydrogen evolution. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 152-162.	5.0	20
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