

# Interfacial Engineering for Improved Photocatalysis in Melamine Functionalized Poly(heptazine imide)

Advanced Energy Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Harnessing the Potential of Graphitic Carbon Nitride for Optoelectronic Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2100146.	3.6	22
2	Morphology Control in 2D Carbon Nitrides: Impact of Particle Size on Optoelectronic Properties and Photocatalysis. <i>Advanced Functional Materials</i> , 2021, 31, 2102468.	7.8	63
3	2D Metal-Free Nanomaterials Beyond Graphene and Its Analogues toward Electrocatalysis Applications. <i>Advanced Energy Materials</i> , 2021, 11, 2101202.	10.2	24
4	A Tour-Guide through Carbon Nitride-Land: Structure- and Dimensionality-Dependent Properties for Photo(Electro)Chemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2022, 12, 2101078.	10.2	81
5	Roles of Graphene Oxide in Heterogeneous Photocatalysis. <i>ACS Materials Au</i> , 2021, 1, 37-54.	2.6	56
6	Defect engineering assisted support effect: IrO <sub>2</sub> /N defective g-C <sub>3</sub> N <sub>4</sub> composite as highly efficient anode catalyst in PEM water electrolysis. <i>Chemical Engineering Journal</i> , 2021, 419, 129455.	6.6	28
7	Sustainable one-step synthesis of nanostructured potassium poly(heptazine imide) for highly boosted photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021, 424, 130332.	6.6	18
8	High-energy ball-milling constructing P-doped g-C <sub>3</sub> N <sub>4</sub> /MoP heterojunction with Mo N bond bridged interface and Schottky barrier for enhanced photocatalytic H <sub>2</sub> evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120933.	10.8	93
9	Crystallinity Modulation of Electron Acceptor in One-Photon Excitation Pathway-Based Heterostructure for Visible-Light Photocatalysis. <i>Solar Rrl</i> , 2022, 6, 2100901.	3.1	7
10	Design of porous organic polymer photocatalysts based on heptazine for efficient photocatalytic aerobic oxidation. <i>Chemical Engineering Journal</i> , 2022, 431, 134051.	6.6	13
11	Light-driven carbon nitride microswimmers with propulsion in biological and ionic media and responsive on-demand drug delivery. <i>Science Robotics</i> , 2022, 7, eabm1421.	9.9	52
12	Conductivity Mechanism in Ionic 2D Carbon Nitrides: From Hydrated Ion Motion to Enhanced Photocatalysis. <i>Advanced Materials</i> , 2022, 34, e2107061.	11.1	49
13	Non-photochromic solar energy storage in carbon nitride surpassing blue radicals for hydrogen production. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7728-7738.	5.2	13
14	Photoactive nanomaterials enabled integrated photo-rechargeable batteries. <i>Nanophotonics</i> , 2022, 11, 1443-1484.	2.9	9
15	Photomemristive sensing <i>via</i> charge storage in 2D carbon nitrides. <i>Materials Horizons</i> , 2022, 9, 1866-1877.	6.4	11
17	One-pot synthesis of sodium-doped willow-shaped graphitic carbon nitride for improved photocatalytic activity under visible-light irradiation. <i>Journal of Colloid and Interface Science</i> , 2022, 624, 79-87.	5.0	30
18	Activation of Fe species on graphitic carbon nitride nanotubes for efficient photocatalytic ammonia synthesis. <i>International Journal of Energy Research</i> , 2022, 46, 13453-13462.	2.2	3
19	Molecular engineering of donor-acceptor structured g-C <sub>3</sub> N <sub>4</sub> for superior photocatalytic oxytetracycline degradation. <i>Chemical Engineering Journal</i> , 2022, 448, 137370.	6.6	70

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20	Enhanced H <sub>2</sub> O <sub>2</sub> Production via Photocatalytic O <sub>2</sub> Reduction over Structurally-Modified Poly(heptazine imide). <i>Chemistry of Materials</i> , 2022, 34, 5511-5521.	3.2	21
21	Donor-acceptor conjugated heptazine polymers: Boosting the Cr(VI) photoreductions via heteroatom engineering. <i>Materials Today Communications</i> , 2022, 31, 103825.	0.9	1
22	Melem-derived poly(heptazine imide) for effective charge transport and photocatalytic reforming of cellulose into H <sub>2</sub> and biochemicals under visible light. <i>Applied Catalysis B: Environmental</i> , 2022, 316, 121601.	10.8	16
23	Interfacial Engineering of the Platinum/Molybdenum Disulfide/graphitic Carbon Nitride Composite for Enhanced Photocatalytic Hydrogen Production. <i>ACS Applied Energy Materials</i> , 2022, 5, 8800-8811.	2.5	11
24	Defect-rich ultrathin poly-heptazine-imide-framework nanosheets with alkali-ion doping for photocatalytic solar hydrogen and selective benzylamine oxidation. <i>Nano Research</i> , 2022, 15, 8760-8770.	5.8	7
25	Engineering Electro- and Photocatalytic Carbon Materials for CO <sub>2</sub> Reduction by Formate Dehydrogenase. <i>Journal of the American Chemical Society</i> , 2022, 144, 14207-14216.	6.6	35
26	Defect engineering in polymeric carbon nitride with accordion structure for efficient photocatalytic CO <sub>2</sub> reduction and H <sub>2</sub> production. <i>Chemical Engineering Journal</i> , 2022, 450, 138425.	6.6	35
27	A Crystalline Carbon Nitride Based Near-Infrared Active Photocatalyst. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	67
28	Optimizing the Optical Absorption of Poly(heptazine imide) by the n → π* Electron Transition for Improved Photocatalytic H <sub>2</sub> Evolution. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 41131-41140.	4.0	13
29	Heptazine-Based Ordered-Distorted Copolymers with Enhanced Visible-Light Absorption for Photocatalytic Hydrogen Production. <i>ChemSusChem</i> , 2022, 15, .	3.6	32
30	Photocatalytic Activity and Electron Storage Capability of TiO <sub>2</sub> Aerogels with an Adjustable Surface Area. <i>ACS Applied Energy Materials</i> , 2022, 5, 14966-14978.	2.5	3
31	Alkali Metal Cations as Charge-Transfer Bridge for Polarization Promoted Solar-to-H <sub>2</sub> Conversion. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	9
32	Covalent Organic Frameworks Containing Dual O <sub>2</sub> Reduction Centers for Overall Photosynthetic Hydrogen Peroxide Production. <i>Angewandte Chemie</i> , 2023, 135, .	1.6	6
33	Covalent Organic Frameworks Containing Dual O <sub>2</sub> Reduction Centers for Overall Photosynthetic Hydrogen Peroxide Production. <i>Angewandte Chemie - International Edition</i> , 2023, 62, .	7.2	52
34	Structure and Optical Properties of Polymeric Carbon Nitrides from Atomistic Simulations. <i>Chemistry of Materials</i> , 2023, 35, 1547-1559.	3.2	9
35	An integrated solar battery based on a charge storing 2D carbon nitride. <i>Energy and Environmental Science</i> , 2023, 16, 1520-1530.	15.6	12
36	Stored photoelectrons in a faradaic junction for decoupled solar hydrogen production in the dark. <i>CheM</i> , 2023, 9, 1850-1864.	5.8	9
37	Carbon Vacancy-Modified Carbon Nitride Allotropic Composite for Solar Hydrogen Generation Coupled with Selective Oxidation of 5-Hydroxymethylfurfural. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 6435-6444.	3.2	3

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38	Optimizing the band structure of sponge-like S-doped poly(heptazine imide) with quantum confinement effect towards boosting visible-light photocatalytic H <sub>2</sub> generation. Journal of Colloid and Interface Science, 2023, 644, 116-123.	5.0	5
45	Carbon nitride based materials: more than just a support for single-atom catalysis. Chemical Society Reviews, 2023, 52, 4878-4932.	18.7	31
58	Crystalline carbon nitrides for photocatalysis. , 2024, 2, 411-447.		1