

Drastic Enhancement of Photocatalytic Activities over Porous $\text{g-C}_3\text{N}_4$ Nanosheets

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A novel 2D/2D carbonized poly-(furfural alcohol)/g-C ₃ N ₄ nanocomposites with enhanced charge carrier separation for photocatalytic H ₂ evolution. Carbon, 2017, 115, 486-492.	5.4	54
2	Constructing nitrogen doped graphene quantum dots-ZnNb ₂ O ₆ /g-C ₃ N ₄ catalysts for hydrogen production under visible light. Applied Catalysis B: Environmental, 2017, 206, 531-537.	10.8	110
3	A Facile Steam Reforming Strategy to Delaminate Layered Carbon Nitride Semiconductors for Photoredox Catalysis. Angewandte Chemie - International Edition, 2017, 56, 3992-3996.	7.2	374
4	Unravelling charge carrier dynamics in protonated g-C ₃ N ₄ interfaced with carbon nanodots as co-catalysts toward enhanced photocatalytic CO ₂ reduction: A combined experimental and first-principles DFT study. Nano Research, 2017, 10, 1673-1696.	5.8	376
5	A Facile Steam Reforming Strategy to Delaminate Layered Carbon Nitride Semiconductors for Photoredox Catalysis. Angewandte Chemie, 2017, 129, 4050-4054.	1.6	87
6	Facile transformation of low cost melamine to oxalic acid into porous graphitic carbon nitride nanosheets with high visible-light photocatalytic performance. RSC Advances, 2017, 7, 14372-14381.	1.7	36
7	Efficient hydrogen evolution over Sb doped SnO ₂ photocatalyst sensitized by Eosin Y under visible light irradiation. Nano Energy, 2017, 36, 331-340.	8.2	168
8	Construction of dual-channel for optimizing Z-scheme photocatalytic system. Applied Catalysis B: Environmental, 2017, 212, 80-88.	10.8	75
9	Effect of conjugation degree and delocalized π -system on the photocatalytic activity of single layer g-C ₃ N ₄ . Applied Catalysis B: Environmental, 2017, 218, 137-146.	10.8	79
10	Rational synthesis of ultrathin graphitic carbon nitride nanosheets for efficient photocatalytic hydrogen evolution. Carbon, 2017, 121, 463-471.	5.4	94
11	Strategies for Efficient Solar Water Splitting Using Carbon Nitride. Chemistry - an Asian Journal, 2017, 12, 1421-1434.	1.7	72
12	Morphology and defects regulation of carbon nitride by hydrochloric acid to boost visible light absorption and photocatalytic activity. Applied Catalysis B: Environmental, 2017, 217, 629-636.	10.8	99
13	Hollow CuS Microcube Electrocatalysts for CO ₂ Reduction Reaction. ChemElectroChem, 2017, 4, 2593-2598.	1.7	39
14	Precisely tunable thickness of graphitic carbon nitride nanosheets for visible-light-driven photocatalytic hydrogen evolution. Nanoscale, 2017, 9, 14103-14110.	2.8	91
15	Synthesis of 3D porous MoS ₂ /g-C ₃ N ₄ heterojunction as a high efficiency photocatalyst for boosting H ₂ evolution activity. RSC Advances, 2017, 7, 40727-40733.	1.7	42
16	Reduced Oxygenated g-C ₃ N ₄ with Abundant Nitrogen Vacancies for Visible-Light Photocatalytic Applications. Chemistry - A European Journal, 2017, 23, 15466-15473.	1.7	62
17	Preparation of Carbon-Rich g-C ₃ N ₄ Nanosheets with Enhanced Visible Light Utilization for Efficient Photocatalytic Hydrogen Production. Small, 2017, 13, 1701552.	5.2	142
18	Easy dispersion and excellent visible-light photocatalytic activity of the ultrathin urea-derived g-C ₃ N ₄ nanosheets. Applied Surface Science, 2017, 425, 535-546.	3.1	63

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19	Mellitic Triimide-Doped Carbon Nitride as Sunlight-Driven Photocatalysts for Hydrogen Peroxide Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 6478-6485.	3.2	92
20	A surface modification resultant thermally oxidized porous g-C ₃ N ₄ with enhanced photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2017, 204, 335-345.	10.8	295
21	2D/2D Graphitic Carbon Nitride (g-C ₃ N ₄) Heterojunction Nanocomposites for Photocatalysis: Why Does Face-to-Face Interface Matter?. <i>Frontiers in Materials</i> , 2017, 4, .	1.2	201
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24	Tailoring TiO ₂ Nanotube-Interlaced Graphite Carbon Nitride Nanosheets for Improving Visible-Light-Driven Photocatalytic Performance. <i>Advanced Science</i> , 2018, 5, 1700844.	5.6	66
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27	Facile fabrication of nanosized graphitic carbon nitride sheets with efficient charge separation for mitigation of toxic pollutant. <i>Chemical Engineering Journal</i> , 2018, 342, 30-40.	6.6	47
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29	Protonated graphitic carbon nitride coated metal-organic frameworks with enhanced visible-light photocatalytic activity for contaminants degradation. <i>Applied Surface Science</i> , 2018, 441, 85-98.	3.1	94
30	Role of Interfaces in Two-Dimensional Photocatalyst for Water Splitting. <i>ACS Catalysis</i> , 2018, 8, 2253-2276.	5.5	773
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35	Self-modification of g-C ₃ N ₄ with its quantum dots for enhanced photocatalytic activity. <i>Catalysis Science and Technology</i> , 2018, 8, 2617-2623.	2.1	69
36	Preparation of phenyl group functionalized g-C ₃ N ₄ nanosheets with extended electron delocalization for enhanced visible-light photocatalytic activity. <i>New Journal of Chemistry</i> , 2018, 42, 6756-6762.	1.4	19

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37	Nitrogen photofixation by ultrathin amine-functionalized graphitic carbon nitride nanosheets as a gaseous product from thermal polymerization of urea. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 222-229.	10.8	135
38	Implantation of Iron(III) in porphyrinic metal organic frameworks for highly improved photocatalytic performance. <i>Applied Catalysis B: Environmental</i> , 2018, 224, 60-68.	10.8	125
39	Sb doped SnO ₂ -decorated porous g-C ₃ N ₄ nanosheet heterostructures with enhanced photocatalytic activities under visible light irradiation. <i>Applied Catalysis B: Environmental</i> , 2018, 221, 670-680.	10.8	122
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41	Enhanced Solar Fuel H ₂ Generation over g-C ₃ N ₄ Nanosheet Photocatalysts by the Synergetic Effect of Noble Metal-Free Co ₂ P Cocatalyst and the Environmental Phosphorylation Strategy. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 816-826.	3.2	201
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43	Catalysis of Carbon Dioxide Photoreduction on Nanosheets: Fundamentals and Challenges. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 7610-7627.	7.2	361
44	Wrinkled Ultrathin Graphitic C ₃ N ₄ Nanosheets for Photocatalytic Degradation of Organic Wastewater. <i>ACS Applied Nano Materials</i> , 2018, 1, 6733-6741.	2.4	71
45	Carbon-nitride-based core-shell nanomaterials: synthesis and applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 20280-20301.	1.1	9
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48	Amino-Assisted Anchoring of CsPbBr ₃ Perovskite Quantum Dots on Porous g-C ₃ N ₄ for Enhanced Photocatalytic CO ₂ Reduction. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13570-13574.	7.2	432
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51	Coaddition of Phosphorus and Proton to Graphitic Carbon Nitride for Synergistically Enhanced Visible Light Photocatalytic Degradation and Hydrogen Evolution. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8167-8177.	3.2	28
52	Crystal-Face Tailored Graphitic Carbon Nitride Films for High-Performance Photoelectrochemical Cells. <i>ChemSusChem</i> , 2018, 11, 2497-2501.	3.6	34
53	Two-dimensional polymeric carbon nitride: structural engineering for optimizing photocatalysis. <i>Science China Chemistry</i> , 2018, 61, 1205-1213.	4.2	50
54	Highly crystalline sulfur-doped carbon nitride as photocatalyst for efficient visible-light hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2018, 238, 592-598.	10.8	171

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56	Black phosphorus quantum dot/g-C ₃ N ₄ composites for enhanced CO ₂ photoreduction to CO. <i>Science China Materials</i> , 2018, 61, 1159-1166.	3.5	126
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58	Photoresponsive polymeric carbon nitride-based materials: Design and application. <i>Materials Today</i> , 2019, 23, 72-86.	8.3	82
59	Green synthesis of Ag nanoparticles decorated phosphorus doped g-C ₃ N ₄ with enhanced visible-light-driven bactericidal activity. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2019, 384, 112028.	2.0	23
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61	Protonation and microwave-assisted heating induced excitation of lone-pair electrons in graphitic carbon nitride for increased photocatalytic hydrogen generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20223-20228.	5.2	56
62	Protonic acid-assisted universal synthesis of defect abundant multifunction carbon nitride semiconductor for highly-efficient visible light photocatalytic applications. <i>Applied Catalysis B: Environmental</i> , 2019, 258, 118011.	10.8	38
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68	Design of A ₁ -A ₂ Covalent Triazine Frameworks via Copolymerization for Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2019, 9, 9438-9445.	5.5	172
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74	Recent development in graphitic carbon nitride based photocatalysis for hydrogen generation. <i>Applied Catalysis B: Environmental</i> , 2019, 257, 117855.	10.8	244
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89	Cyano group modified carbon nitride with enhanced photoactivity for selective oxidation of benzylamine. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 67-75.	10.8	87
90	Rational construction of plasmon Au assisted ferroelectric-BaTiO ₃ /Au/g-C ₃ N ₄ Z-scheme system for efficient photocatalysis. <i>Catalysis Today</i> , 2020, 355, 311-318.	2.2	51

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92	Surface engineering of hollow carbon nitride microspheres for efficient photoredox catalysis. <i>Chemical Engineering Journal</i> , 2020, 381, 122593.	6.6	49
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97	KOH-Assisted Band Engineering of Polymeric Carbon Nitride for Visible Light Photocatalytic Oxygen Reduction to Hydrogen Peroxide. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 594-603.	3.2	57
98	Enhanced carriers separation efficiency in g-C ₃ N ₄ modified with sulfonic groups for efficient photocatalytic Cr(VI) reduction. <i>Materials Research Bulletin</i> , 2020, 122, 110681.	2.7	22
99	Graphitic C ₃ N ₄ -assisted dispersion of graphene to improve the corrosion resistance of waterborne epoxy coating. <i>Progress in Organic Coatings</i> , 2020, 139, 105448.	1.9	26
100	Efficient sulfadiazine degradation via in-situ epitaxial grow of Graphitic Carbon Nitride (g-C ₃ N ₄) on carbon dots heterostructures under visible light irradiation: Synthesis, mechanisms and toxicity evaluation. <i>Journal of Colloid and Interface Science</i> , 2020, 561, 696-707.	5.0	79
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106	Wavelength dependent luminescence decay kinetics in $\text{g-C}_{3}\text{N}_{4}$ nanosheets exhibiting high photocatalytic efficiency upon plasmonic coupling. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20581-20592.	5.2	16
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108	2D/1D protonated g-C ₃ N ₄ /MnO ₂ Z-scheme heterojunction with enhanced visible-light photocatalytic efficiency. <i>Ceramics International</i> , 2020, 46, 25905-25914.	2.3	23

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110	Recent Advances in Functional 2D MXene-Based Nanostructures for Next-Generation Devices. <i>Advanced Functional Materials</i> , 2020, 30, 2005223.	7.8	216
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123	Porous graphitic carbon nitride for solar photocatalytic applications. <i>Nanoscale Horizons</i> , 2020, 5, 765-786.	4.1	152
124	Post-annealed graphite carbon nitride nanoplates obtained by sugar-assisted exfoliation with improved visible-light photocatalytic performance. <i>Journal of Colloid and Interface Science</i> , 2020, 567, 369-378.	5.0	14
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129	Z-scheme heterostructure of Fe-doped SnO ₂ decorated layered g-C ₃ N ₄ with enhanced photocatalytic activity under simulated solar light irradiation. <i>Optical Materials</i> , 2020, 101, 109769.	1.7	21
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131	A bottom-up acidification strategy engineered ultrathin g-C ₃ N ₄ nanosheets towards boosting photocatalytic hydrogen evolution. <i>Carbon</i> , 2020, 163, 234-243.	5.4	81
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