Enhanced Visible-Light-Driven Photocatalytic Disinfect Pollutant Degradation Activity of Porous g-C<sub>3</su

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Citation Report

#	Article	IF	Citations
2	0D/2D Z-Scheme Heterojunctions of Bismuth Tantalate Quantum Dots/Ultrathin g-C₃N₄ Nanosheets for Highly Efficient Visible Light Photocatalytic Degradation of Antibiotics. ACS Applied Materials & Interfaces, 2017, 9, 43704-43715.	4.0	313
3	Carbon-doped graphitic carbon nitride as environment-benign adsorbent for methylene blue adsorption: Kinetics, isotherm and thermodynamics study. Journal of the Taiwan Institute of Chemical Engineers, 2018, 88, 114-120.	2.7	58
4	Fluoride ion-promoted hydrothermal synthesis of oxygenated g-C3N4 with high photocatalytic activity. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 549, 67-75.	2.3	22
5	One-pot synthesis of K-doped g-C3N4 nanosheets with enhanced photocatalytic hydrogen production under visible-light irradiation. Applied Surface Science, 2018, 440, 258-265.	3.1	164
6	Silver cyanamide nanoparticles decorated ultrathin graphitic carbon nitride nanosheets for enhanced visible-light-driven photocatalysis. Catalysis Science and Technology, 2018, 8, 1447-1453.	2.1	19
7	Z-scheme g-C3N4@CsxWO3 heterostructure as smart window coating for UV isolating, Vis penetrating, NIR shielding and full spectrum photocatalytic decomposing VOCs. Applied Catalysis B: Environmental, 2018, 229, 218-226.	10.8	164
8	Strong base g-C3N4 with perfect structure for photocatalytically eliminating formaldehyde under visible-light irradiation. Applied Catalysis B: Environmental, 2018, 227, 145-152.	10.8	86
9	Intensification of anodic charge transfer by contaminant degradation for efficient H₂production. Journal of Materials Chemistry A, 2018, 6, 10297-10303.	5.2	28
10	Utilization of LaCoO3 as an efficient co-catalyst to boost the visible light photocatalytic performance of g-C3N4. Separation and Purification Technology, 2018, 201, 309-317.	3.9	37
11	Fragmented phosphorus-doped graphitic carbon nitride nanoflakes with broad sub-bandgap absorption for highly efficient visible-light photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2018, 225, 397-405.	10.8	154
12	Metal-Free Visible-Light Photoactivated C₃N₄ Bubble-Propelled Tubular Micromotors with Inherent Fluorescence and On/Off Capabilities. ACS Nano, 2018, 12, 12482-12491.	7.3	85
13	A Metal-Free Carbon-Based Catalyst: An Overview and Directions for Future Research. Journal of Carbon Research, 2018, 4, 54.	1.4	29
14	Facile fabrication of direct solid-state Z-scheme g-C₃N₄/Fe₂O₃ heterojunction: a cost-effective photocatalyst with high efficiency for the degradation of aqueous organic pollutants. Dalton Transactions, 2018, 47, 15382-15390.	1.6	56
15	Two-dimensional layered nanomaterials for visible-light-driven photocatalytic water splitting. Materials Today Energy, 2018, 10, 352-367.	2.5	73
16	Embedding Noble-Metal-Free Ni2P Cocatalyst on g-C3N4 for Enhanced Photocatalytic H2 Evolution in Water Under Visible Light. Catalysis Letters, 2018, 148, 3741-3749.	1.4	16
17	Preparation of a New Type of Black TiO₂ under a Vacuum Atmosphere for Sunlight Photocatalysis. ACS Applied Materials & Interfaces, 2018, 10, 35316-35326.	4.0	82
18	Synthesis of zinc ferrite/silver iodide composite with enhanced photocatalytic antibacterial and pollutant degradation ability. Journal of Colloid and Interface Science, 2018, 528, 70-81.	5.0	58
19	Double defects modified carbon nitride nanosheets with enhanced photocatalytic hydrogen evolution. Physical Chemistry Chemical Physics, 2018, 20, 17471-17476.	1.3	26

#	Article	IF	Citations
20	Graphite-like carbon nitride (C3N4) modified N-doped LaTiO3 nanocomposite for higher visible light photocatalytic and photo-electrochemical performance. Applied Surface Science, 2018, 452, 400-412.	3.1	45
21	The bimetallic ironâ^'nickel sulfide modified g-C3N4 nano-heterojunction and its photocatalytic hydrogen production enhancement. Journal of Alloys and Compounds, 2018, 766, 421-428.	2.8	25
22	Synthesis of g-C3N4/BiOI/BiOBr heterostructures for efficient visible-light-induced photocatalytic and antibacterial activity. Journal of Materials Science: Materials in Electronics, 2018, 29, 14300-14310.	1.1	40
23	Transparent Glass with the Growth of Pyramid-Type MoS₂ for Highly Efficient Water Disinfection under Visible-Light Irradiation. ACS Applied Materials & Interfaces, 2018, 10, 23444-23450.	4.0	48
24	Sulfur-doped g-C3N4 nanosheets with carbon vacancies: General synthesis and improved activity for simulated solar-light photocatalytic nitrogen fixation. Chemical Engineering Journal, 2018, 353, 147-156.	6.6	300
25	Cellulose nanofibrils anchored Ag on graphitic carbon nitride for efficient photocatalysis under visible light. Environmental Science: Nano, 2018, 5, 2129-2143.	2.2	27
26	Visible-light-driven photocatalytic degradation of pollutants over Cu-doped NH2-MIL-125(Ti). Journal of Photochemistry and Photobiology A: Chemistry, 2018, 364, 524-533.	2.0	67
27	Twoâ€Đimensional Materials for Antimicrobial Applications: Graphene Materials and Beyond. Chemistry - an Asian Journal, 2018, 13, 3378-3410.	1.7	104
28	Anchoring black phosphorus quantum dots on molybdenum disulfide nanosheets: a 0D/2D nanohybrid with enhanced visibleâ^'and NIR â^'light photoactivity. Applied Catalysis B: Environmental, 2018, 238, 444-453.	10.8	68
29	Synthesis of cauliflower-like ion imprinted polymers for selective adsorption and separation of lithium ion. New Journal of Chemistry, 2018, 42, 14502-14509.	1.4	21
30	Step-by-Step Improving Photocatalytic Hydrogen Evolution Activity of NH₂â€"UiO-66 by Constructing Heterojunction and Encapsulating Carbon Nanodots. ACS Sustainable Chemistry and Engineering, 2018, 6, 11563-11569.	3.2	86
31	Fabrication of superhydrophobic Cu-BiOBr surface for oil/water separation and water soluble pollutants degradation. Applied Surface Science, 2018, 462, 583-589.	3.1	41
32	Twoâ€đimensional nanomaterials for photocatalytic water disinfection: recent progress and future challenges. Journal of Chemical Technology and Biotechnology, 2019, 94, 22-37.	1.6	76
33	Face-to-face engineering of ultrathin Pd nanosheets on amorphous carbon nitride for efficient photocatalytic hydrogen production. Science China Materials, 2019, 62, 351-358.	3.5	48
34	Synthesis of graphitic carbon nitride with large specific surface area via copolymerizing with nucleobases for photocatalytic hydrogen generation. Applied Surface Science, 2019, 463, 1-8.	3.1	33
35	Enhanced visible-light-induced photocatalytic degradation and disinfection activities of oxidized porous g-C3N4 by loading Ag nanoparticles. Catalysis Today, 2019, 332, 227-235.	2.2	83
36	The enhanced co-catalyst free photocatalytic hydrogen evolution and stability based on indenofluorene-containing donor-acceptor conjugated polymer dots/g-C3N4 nanosheets heterojunction. Applied Catalysis B: Environmental, 2019, 259, 118067.	10.8	51
37	Green synthesis of Ag nanoparticles decorated phosphorus doped g-C3N4 with enhanced visible-light-driven bactericidal activity. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 384, 112028.	2.0	23

#	Article	IF	Citations
38	Visible-light-driven, hierarchically heterostructured, and flexible silver/bismuth oxyiodide/titania nanofibrous membranes for highly efficient water disinfection. Journal of Colloid and Interface Science, 2019, 555, 636-646.	5.0	32
39	Enhanced photocatalytic disinfection of Escherichia coli K-12 by porous g-C3N4 nanosheets: Combined effect of photo-generated and intracellular ROSs. Chemosphere, 2019, 235, 1116-1124.	4.2	28
40	NH4Cl-induced low-temperature formation of nitrogen-rich g-C3N4 nanosheets with improved photocatalytic hydrogen evolution. Carbon, 2019, 153, 757-766.	5.4	132
41	Regulating Polymerization in Graphitic Carbon Nitride To Improve Photocatalytic Activity. Chemistry of Materials, 2019, 31, 9188-9199.	3.2	57
42	Excellent visible light photocatalytic efficiency of Na and S co-doped g-C3N4 nanotubes for H2 production and organic pollutant degradation. International Journal of Hydrogen Energy, 2019, 44, 31916-31929.	3.8	42
43	Construction of Heterogenous Sâ€“Câ€“S MoS₂/SnS₂/r-GO Heterojunction for Efficient CO₂ Photoreduction. Inorganic Chemistry, 2019, 58, 15590-15601.	1.9	42
44	Soluble g-C3N4 nanosheets: Facile synthesis and application in photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 247, 70-77.	10.8	217
45	Advances in constructing polymeric carbon-nitride-based nanocomposites and their applications in energy chemistry. Sustainable Energy and Fuels, 2019, 3, 611-655.	2.5	47
46	Template-free synthesis of salmon pink tube-shaped structure carbon nitride with enhanced visible light photocatalytic activity. RSC Advances, 2019, 9, 3396-3402.	1.7	8
47	Interstitial N-doped SrSnO₃ perovskite: structural design, modification and photocatalytic degradation of dyes. New Journal of Chemistry, 2019, 43, 10965-10972.	1.4	14
48	Research progress of photocatalytic sterilization over semiconductors. RSC Advances, 2019, 9, 19278-19284.	1.7	65
49	Photocatalytic disinfection efficiency of 2D structure graphitic carbon nitride-based nanocomposites: a review. Journal of Materials Science, 2019, 54, 12206-12235.	1.7	91
50	Enhanced inactivation of antibiotic-resistant bacteria isolated from secondary effluents by g-C3N4 photocatalysis. Environmental Science and Pollution Research, 2019, 26, 18730-18738.	2.7	26
51	Magnetic graphitic carbon nitride nano-composite for ultrasound-assisted dispersive micro-solid-phase extraction of Hg(II) prior to quantitation by atomic fluorescence spectroscopy. Analytica Chimica Acta, 2019, 1074, 33-42.	2.6	45
52	Computationally guided synthesis of (2D/3D/2D) rGO/Fe2O3/g-C3N4 nanostructure with improved charge separation and transportation efficiency for degradation of pharmaceutical molecules. Applied Catalysis B: Environmental, 2019, 255, 117758.	10.8	96
53	A review of visible light-active photocatalysts for water disinfection: Features and prospects. Chemical Engineering Journal, 2019, 373, 624-641.	6.6	302
54	Synthesis of novel C-doped g-C₃N₄ nanosheets coupled with CdIn₂S₄ for enhanced photocatalytic hydrogen evolution. Beilstein Journal of Nanotechnology, 2019, 10, 912-921.	1.5	12
55	Nanocarbon materials in water disinfection: state-of-the-art and future directions. Nanoscale, 2019, 11, 9819-9839.	2.8	35

#	Article	IF	Citations
56	Construction of immobilized CuS/TiO₂ nanobelts heterojunction photocatalyst for photocatalytic degradation of enrofloxacin: synthesis, characterization, influencing factors and mechanism insight. Journal of Chemical Technology and Biotechnology, 2019, 94, 2219-2228.	1.6	30
57	Enhancement of photocatalytic activity of g-C₃N₄ by hydrochloric acid treatment of melamine. Nanotechnology, 2019, 30, 315601.	1.3	34
58	Catalytic hydrogenation of p-nitrophenol using a metal-free catalyst of porous crimped graphitic carbon nitride. Applied Surface Science, 2019, 480, 888-895.	3.1	41
59	Engineering of reduced graphene oxide on nanosheetâ€“g-C3N4/perylene imide heterojunction for enhanced photocatalytic redox performance. Applied Catalysis B: Environmental, 2019, 250, 42-51.	10.8	58
60	Efficient visible light driven degradation of sulfamethazine and tetracycline by salicylic acid modified polymeric carbon nitride via charge transfer. Chemical Engineering Journal, 2019, 370, 1077-1086.	6.6	143
61	Visible-light-driven g-C3N4/Cu2O heterostructures with efficient photocatalytic activities for tetracycline degradation and microbial inactivation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 378, 1-8.	2.0	37
62	Edge-Functionalized g-C3N4 Nanosheets as a Highly Efficient Metal-free Photocatalyst for Safe Drinking Water. CheM, 2019, 5, 664-680.	5.8	219
63	Modulating charge transfer dynamics for g-C₃N₄ through a dimension and interface engineered transition metal phosphide co-catalyst for efficient visible-light photocatalytic hydrogen generation. Journal of Materials Chemistry A, 2019, 7, 6939-6945.	5.2	64
64	Multipathway Antibacterial Mechanism of a Nanoparticle-Supported Artemisinin Promoted by Nitrogen Plasma Treatment. ACS Applied Materials & Interfaces, 2019, 11, 47299-47310.	4.0	15
65	Construction of Direct Z-Scheme Photocatalyst by Mg_{1.2}Ti_{1.8}O₅ and g-C₃N₄ Nanosheets toward Photocatalytic H₂ Production and Disinfection. International Journal of Photoenergy, 2019, 2019, 1-9.	1.4	5
66	Rational Ionothermal Copolymerization of TCNQ with PCN Semiconductor for Enhanced Photocatalytic Full Water Splitting. ACS Applied Materials & Interfaces, 2019, 11, 46756-46766.	4.0	56
67	In-situ construction of coral-like porous P-doped g-C3N4 tubes with hybrid 1D/2D architecture and high efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 241, 159-166.	10.8	231
68	Unprecedented effect of CO2 calcination atmosphere on photocatalytic H2 production activity from water using g-C3N4 synthesized from triazole polymerization. Applied Catalysis B: Environmental, 2019, 241, 141-148.	10.8	62
69	Fabrication of visible-light-driven silver iodide modified iodine-deficient bismuth oxyiodides Z-scheme heterojunctions with enhanced photocatalytic activity for Escherichia coli inactivation and tetracycline degradation. Journal of Colloid and Interface Science, 2019, 533, 636-648.	5.0	79
70	Facile Preparation of Rod-like MnO Nanomixtures via Hydrothermal Approach and Highly Efficient Removal of Methylene Blue for Wastewater Treatment. Nanomaterials, 2019, 9, 10.	1.9	61
71	Plasmonic Graphene-Like Au/C₃N₄ Nanosheets with Barrier-Free Interface for Photocatalytically Sustainable Evolution of Active Oxygen Species. ACS Sustainable Chemistry and Engineering, 2019, 7, 2018-2026.	3.2	34
72	Facile synthesis of bimodal macroporous g-C3N4/SnO2 nanohybrids with enhanced photocatalytic activity. Science Bulletin, 2019, 64, 44-53.	4.3	29
73	Polydopamine and Barbituric Acid Coâ€Modified Carbon Nitride Nanospheres for Highly Active and Selective Photocatalytic CO₂ Reduction. European Journal of Inorganic Chemistry, 2019, 2019, 2058-2064.	1.0	14

#	Article	IF	Citations
74	CQDS preluded carbon-incorporated 3D burger-like hybrid ZnO enhanced visible-light-driven photocatalytic activity and mechanism implication. Journal of Catalysis, 2019, 369, 450-461.	3.1	66
75	Porous graphitic carbon nitride with controllable nitrogen vacancies: As promising catalyst for enhanced degradation of pollutant under visible light. Materials and Design, 2019, 162, 210-218.	3.3	53
76	Costâ€Efficient Graphitic Carbon Nitride as an Effective Photocatalyst for Antibiotic Degradation: An Insight into the Effects of Different Precursors and Coexisting Ions, and Photocatalytic Mechanism. Chemistry - an Asian Journal, 2019, 14, 162-169.	1.7	23
77	Visible photodegradation of ibuprofen and 2,4-D in simulated waste water using sustainable metal free-hybrids based on carbon nitride and biochar. Journal of Environmental Management, 2019, 231, 1164-1175.	3.8	100
78	Graphitic carbon nitride co-modified by zinc phthalocyanine and graphene quantum dots for the efficient photocatalytic degradation of refractory contaminants. Applied Catalysis B: Environmental, 2019, 244, 96-106.	10.8	109
79	Preparation of amine functionalized g-C3N4@H/SMOF NCs with visible light photocatalytic characteristic for 4-nitrophenol degradation from aqueous solution. Journal of Hazardous Materials, 2019, 365, 921-931.	6.5	91
80	Impact of doped metals on urea-derived g-C3N4 for photocatalytic degradation of antibiotics: Structure, photoactivity and degradation mechanisms. Applied Catalysis B: Environmental, 2019, 244, 475-485.	10.8	212
81	Introduction of nitrogen defects into a graphitic carbon nitride framework by selenium vapor treatment for enhanced photocatalytic hydrogen production. Applied Surface Science, 2019, 476, 552-559.	3.1	32
82	Chemical reduction implanted oxygen vacancy on the surface of 1D MoO3â^'x/g-C3N4 composite for boosted LED light-driven photoactivity. Journal of Materials Science, 2019, 54, 5343-5358.	1.7	36
83	Ultrathin Carbon Nitride with Atomic-Level Intraplane Implantation of Graphited Carbon Ring Domain for Superior Photocatalytic Activity in the Visible/Near-Infrared Region. ACS Sustainable Chemistry and Engineering, 2019, 7, 1239-1249.	3.2	40
84	Visible-light degradation of sulfonamides by Z-scheme ZnO/g-C3N4 heterojunctions with amorphous Fe2O3 as electron mediator. Journal of Colloid and Interface Science, 2019, 538, 256-266.	5.0	110
85	Recent Advances in Photocatalytic Detoxification of Water. , 2019, , 653-688.		9
86	Graphitic carbon nitride (g-C3N4)-based photocatalysts for water disinfection and microbial control: A review. Chemosphere, 2019, 214, 462-479.	4.2	304
87	Enhanced photocatalytic degradation of ciprofloxacin using novel C-dot@Nitrogen deficient g-C3N4: Synergistic effect of nitrogen defects and C-dots. Applied Surface Science, 2019, 465, 450-458.	3.1	70
88	Supramolecular self-assembly production of porous carbon nitride nanosheets with excellent photocatalytic activity by a melamine derivative as doping molecule. Materials Science in Semiconductor Processing, 2020, 105, 104735.	1.9	23
89	Defective engineering in graphitic carbon nitride nanosheet for efficient photocatalytic pathogenic bacteria disinfection. Applied Catalysis B: Environmental, 2020, 261, 118201.	10.8	161
90	In-situ homodispersely immobilization of Ag@AgCl on chloridized g-C3N4 nanosheets as an ultrastable plasmonic photocatalyst. Chemical Engineering Journal, 2020, 384, 123259.	6.6	64
91	Highly flexible, core-shell heterostructured, and visible-light-driven titania-based nanofibrous membranes for antibiotic removal and E. coil inactivation. Chemical Engineering Journal, 2020, 379, 122269.	6.6	111

#	Article	IF	Citations
92	H2O2-free photo-Fenton degradation of organic pollutants on thermally exfoliated g-C3N4. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 586, 124190.	2.3	37
93	Direct Z-scheme Bi2O2CO3/porous g-C3N4 heterojunction for improved photocatalytic degradation performance. Journal of the Taiwan Institute of Chemical Engineers, 2020, 106, 74-85.	2.7	19
94	Phosphorus-doped porous carbon nitride for efficient sole production of hydrogen peroxide via photocatalytic water splitting with a two-channel pathway. Journal of Materials Chemistry A, 2020, 8, 3701-3707.	5.2	89
95	Hollow porous prismatic graphitic carbon nitride with nitrogen vacancies and oxygen doping: a high-performance visible light-driven catalyst for nitrogen fixation. Nanoscale, 2020, 12, 1833-1841.	2.8	79
96	Enhanced visible-light photocatalytic degradation and disinfection performance of oxidized nanoporous g-C3N4 via decoration with graphene oxide quantum dots. Chinese Journal of Catalysis, 2020, 41, 474-484.	6.9	41
97	Steering exciton dissociation and charge migration in green synthetic oxygen-substituted ultrathin porous graphitic carbon nitride for boosted photocatalytic reactive oxygen species generation. Chemical Engineering Journal, 2020, 385, 123919.	6.6	123
98	Highly Efficient Hydrogen and Electricity Production Combined with Degradation of Organics Based on a Novel Solar Water-Energy Nexus System. ACS Applied Materials & Interfaces, 2020, 12, 2505-2515.	4.0	20
99	Preparing a photocatalytic Fe doped TiO2/rGO for enhanced bisphenol A and its analogues degradation in water sample. Applied Surface Science, 2020, 505, 144640.	3.1	67
100	Perspective and status of polymeric graphitic carbon nitride based Z-scheme photocatalytic systems for sustainable photocatalytic water purification. Chemical Engineering Journal, 2020, 391, 123496.	6.6	308
101	Revealing and accelerating interfacial charge carrier dynamics in Z-scheme heterojunctions for highly efficient photocatalytic oxygen evolution. Applied Catalysis B: Environmental, 2020, 268, 118445.	10.8	69
102	Shuttle-like CeO2/g-C3N4 composite combined with persulfate for the enhanced photocatalytic degradation of norfloxacin under visible light. Ecotoxicology and Environmental Safety, 2020, 190, 110062.	2.9	74
103	Recent advances in carbon nanomaterial-based adsorbents for water purification. Coordination Chemistry Reviews, 2020, 405, 213111.	9.5	329
104	Facile synthesis of novel ternary g-C3N4/ferrite/biochar hybrid photocatalyst for efficient degradation of methylene blue under visible-light irradiation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125556.	2.3	29
105	Graphitic Carbon Nitride-Based Photocatalytic Materials: Preparation Strategy and Application. ACS Sustainable Chemistry and Engineering, 2020, 8, 16048-16085.	3.2	96
106	Synthesis of CoFe2O4-modified g-C3N4 with enhanced photocatalytic performance for nitrogen fixation. Journal of Nanoparticle Research, 2020, 22, 1.	0.8	16
107	Bifunctional copper modified graphitic carbon nitride catalysts for efficient tetracycline removal: Synergy of adsorption and photocatalytic degradation. Chinese Chemical Letters, 2020, 31, 2789-2794.	4.8	67
108	Actual mineralization versus partial degradation of wastewater contaminants. , 2020, , 331-350.		2
109	Two-dimensional carbon nanomaterials-based adsorbents. , 2020, , 225-273.		2

#	Article	IF	Citations
110	Enhanced Adsorption of Methylene Blue Triggered by the Phase Transition of Thermoresponsive Polymers in Hybrid Interpenetrating Polymer Network Hydrogels. ACS Applied Polymer Materials, 2020, 2, 3674-3684.	2.0	33
111	Two-Dimensional Nanomaterials for Photoinduced Antibacterial Applications. ACS Applied Bio Materials, 2020, 3, 8188-8210.	2.3	46
112	Detoxification of Endocrine Disruptors in Water Using Visible-Light-Active Nanostructures: A Review. ACS Applied Nano Materials, 2020, 3, 11659-11687.	2.4	22
113	Synthesis of Zn doped g-C3N4 in KCl-ZnCl2 molten salts: The temperature window for promoting the photocatalytic activity. Applied Surface Science, 2020, 533, 147429.	3.1	15
114	Visible light-driven oxidant-free dehydrogenation of alcohols in water using porous ultrathin g-C3N4 nanosheets. Green Energy and Environment, 2022, 7, 712-722.	4.7	17
115	Photocatalytic nanomaterials for CO2 photoreduction and disinfection of bacteria. , 2020, , 159-189.		4
116	Modified graphitic carbon nitride as the photocatalyst for wastewater treatment under visible light irradiation. Fuel, 2020, 280, 118544.	3.4	19
117	Antibacterial nanomaterials for environmental and consumer product applications. NanoImpact, 2020, 20, 100268.	2.4	37
118	Role of Boron in Enhancing Electron Delocalization to Improve Catalytic Activity of Fe-Based Metallic Glasses for Persulfate-Based Advanced Oxidation. ACS Applied Materials & Interfaces, 2020, 12, 44789-44797.	4.0	25
119	Elucidation of the enhanced photoactivity of melon calcined with MoO3. Applied Catalysis B: Environmental, 2020, 273, 119068.	10.8	21
120	The metallic 1T-phase WS2 nanosheets as cocatalysts for enhancing the photocatalytic hydrogen evolution of g-C3N4 nanotubes. Applied Catalysis B: Environmental, 2020, 274, 119114.	10.8	116
121	Nitrogen-deficient g-C3Nx/POMs porous nanosheets with Pâ€“N heterojunctions capable of the efficient photocatalytic degradation of ciprofloxacin. Chemosphere, 2020, 259, 127465.	4.2	33
122	Porous Two-Dimensional Materials for Photocatalytic and Electrocatalytic Applications. Matter, 2020, 2, 1377-1413.	5.0	254
123	Hierarchical assembly of highly efficient visible-light-driven Ag/g-C3N4/kaolinite composite photocatalyst for the degradation of ibuprofen. Journal of Materiomics, 2020, 6, 582-592.	2.8	35
124	Electrophoresis-Deposited Mesoporous Graphitic Carbon Nitride Surfaces with Efficient Bactericidal Properties. ACS Applied Bio Materials, 2020, 3, 2255-2262.	2.3	13
125	Superior Adsorption and Photocatalytic Degradation Capability of Mesoporous LaFeO3/g-C3N4 for Removal of Oxytetracycline. Catalysts, 2020, 10, 301.	1.6	23
126	One-pot fabrication of porous nitrogen-deficient g-C3N4 with superior photocatalytic performance. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 400, 112729.	2.0	17
127	Photocatalytic inactivation of microorganisms in water. , 2020, , 229-248.		3

#	Article	IF	Citations
128	Realizing synergistic effect of electronic modulation and nanostructure engineering over graphitic carbon nitride for highly efficient visible-light H2 production coupled with benzyl alcohol oxidation. Applied Catalysis B: Environmental, 2020, 269, 118772.	10.8	66
129	Visible light responsive CuS/ protonated g-C3N4 heterostructure for rapid sterilization. Journal of Hazardous Materials, 2020, 393, 122423.	6.5	116
130	Highly efficient visible photocatalytic disinfection and degradation performances of microtubular nanoporous g-C3N4 via hierarchical construction and defects engineering. Journal of Materials Science and Technology, 2020, 49, 133-143.	5.6	54
131	Porous graphitic carbon nitride for solar photocatalytic applications. Nanoscale Horizons, 2020, 5, 765-786.	4.1	152
132	What will happen when microorganisms â€œmeetâ€•photocatalysts and photocatalysis?. Environmental Science: Nano, 2020, 7, 702-723.	2.2	53
133	One-step synthesis of iodine-doped g-C3N4 with enhanced photocatalytic nitrogen fixation performance. Applied Surface Science, 2020, 510, 145413.	3.1	75
134	Ultrathin porous g-C3N4 nanosheets modified with AuCu alloy nanoparticles and C-C coupling photothermal catalytic reduction of CO to ethanol. Applied Catalysis B: Environmental, 2020, 266, 118618.	10.8	129
135	A novel AgI/BiOI/pg-C3N4 composite with enhanced photocatalytic activity for removing methylene orange, tetracycline and E. coli. Dyes and Pigments, 2020, 177, 108253.	2.0	26
136	A magnetically separable and recyclable g-C₃N₄/Fe₃O₄/porous ruthenium nanocatalyst for the photocatalytic degradation of water-soluble aromatic amines and azo dyes. RSC Advances, 2020, 10, 6043-6051.	1.7	22
137	Synthesis of Biochar-Supported K-doped g-C3N4 Photocatalyst for Enhancing the Polycyclic Aromatic Hydrocarbon Degradation Activity. International Journal of Environmental Research and Public Health, 2020, 17, 2065.	1.2	22
138	Enhanced visible photocatalytic oxidation activity of perylene diimide/g-C3N4 n-n heterojunction via Ï€-Ï€ interaction and interfacial charge separation. Applied Catalysis B: Environmental, 2020, 271, 118933.	10.8	161
139	Highly Dispersed Nanocomposite of AgBr in g-C₃N₄ Matrix Exhibiting Efficient Antibacterial Effect on Drought-Resistant Pseudomonas putida under Dark and Light Conditions. ACS Applied Materials & Interfaces, 2020, 12, 21481-21493.	4.0	40
140	Tunable poly(aryleneethynylene) networks prepared by emulsion templating for visible-light-driven photocatalysis. Catalysis Today, 2021, 361, 146-151.	2.2	9
141	Graphitic carbon nitride (g-C3N4)-based nanostructured materials for photodynamic inactivation: Synthesis, efficacy and mechanism. Chemical Engineering Journal, 2021, 404, 126528.	6.6	61
142	Carbon nitride based photocatalysts for solar photocatalytic disinfection, can we go further?. Chemical Engineering Journal, 2021, 404, 126540.	6.6	105
143	Photo-assisted separation of noble-metal-free oxidation and reduction cocatalysts for graphitic carbon nitride nanosheets with efficient photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2021, 280, 119456.	10.8	91
144	Thermal-Sprayed Photocatalytic Coatings for Biocidal Applications: A Review. Journal of Thermal Spray Technology, 2021, 30, 1-24.	1.6	42
145	Engineered two-dimensional nanomaterials: an emerging paradigm for water purification and monitoring. Materials Horizons, 2021, 8, 758-802.	6.4	92

#	Article	IF	Citations
146	The synergy of thermal exfoliation and phosphorus doping in g-C3N4 for improved photocatalytic H2 generation. International Journal of Hydrogen Energy, 2021, 46, 3595-3604.	3.8	22
147	Solarâ€Driven Photocatalytic Disinfection Over 2D Semiconductors: The Generation and Effects of Reactive Oxygen Species. Solar Rrl, 2021, 5, 2000594.	3.1	20
148	Covalent triazine frameworks composite membrane (CdS/CTF-1) with enhanced photocatalytic in-situ cleaning and disinfection properties for sustainable separation. Chemical Engineering Journal, 2021, 421, 127784.	6.6	15
149	Critical review of photocatalytic disinfection of bacteria: from noble metals- and carbon nanomaterials-TiO2 composites to challenges of water characteristics and strategic solutions. Science of the Total Environment, 2021, 758, 143953.	3.9	85
150	Using C-Doping to Identify Photocatalytic Properties of Graphitic Carbon Nitride That Govern Antibacterial Efficacy. ACS ES&T Water, 2021, 1, 269-280.	2.3	23
151	Photodegradation of Organic Pollutants Via Carbon Nitride/Graphene-Oxide Nanocomposite Loaded on Polyacrylic Acid Hydrogel with Free Separation. Catalysis Surveys From Asia, 2021, 25, 159-167.	1.0	6
152	Combination of Carbon Nitride and Semiconductors for the Enhancement of the Photocatalytic Degradation of Organic Pollutants and Hydrogen Production. RSC Nanoscience and Nanotechnology, 2021, , 318-370.	0.2	0
153	Facile synthesis of nitrogen-defective g-C₃N₄ for superior photocatalytic degradation of rhodamine B. RSC Advances, 2021, 11, 30503-30509.	1.7	29
154	Synergetic polarization effect of protonation and Fe-doping on g-C₃N₄ with enhanced photocatalytic activity. Catalysis Science and Technology, 2021, 11, 7125-7133.	2.1	9
155	A review on g-C₃N₄incorporated with organics for enhanced photocatalytic water splitting. Journal of Materials Chemistry A, 2021, 9, 12898-12922.	5.2	79
156	High carrier separation efficiency for a defective g-C₃N₄ with polarization effect and defect engineering: mechanism, properties and prospects. Catalysis Science and Technology, 2021, 11, 5432-5447.	2.1	19
157	A comparative study on modified graphitic carbon nitride: Synthesis, characterization, and applications. , 2021, , 629-670.		2
158	Nanodiamond decorated 2D hexagonal Fe2O3 nanosheets with a Z-scheme photogenerated electron transfer path for enhanced photocatalytic activity. Journal of Materials Science, 2021, 56, 6663-6675.	1.7	31
159	Effective Visible Light-Driven Photocatalytic Degradation of Ciprofloxacin over Flower-like Fe₃O₄/Bi₂WO₆ Composites. ACS Omega, 2021, 6, 1647-1656.	1.6	57
160	A recyclable 3D g-C3N4 based nanocellulose aerogel composite for photodegradation of organic pollutants. Cellulose, 2021, 28, 3531-3547.	2.4	17
161	Photocatalytic Inactivation as a Method of Elimination of E. coli from Drinking Water. Applied Sciences (Switzerland), 2021, 11, 1313.	1.3	18
162	Exfoliated Boron Nitride (e-BN) Tailored Exfoliated Graphitic Carbon Nitride (e-CN): An Improved Visible Light Mediated Photocatalytic Approach towards TCH Degradation and H₂ Evolution. Inorganic Chemistry, 2021, 60, 5021-5033.	1.9	60
163	Drawing on Membrane Photocatalysis for Fouling Mitigation. ACS Applied Materials & Interfaces, 2021, 13, 14844-14865.	4.0	87

#	Article	IF	Citations
164	Organic load removal and microbial disinfection of raw domestic sewage using SrSnO3/g-C3N4 with sunlight. Environmental Science and Pollution Research, 2021, 28, 45009-45018.	2.7	3
165	Recyclable magnetic ZnCo2O4-based ceramic nanostructure materials fabricated by simple sonochemical route for effective sunlight-driven photocatalytic degradation of organic pollution. Ceramics International, 2021, 47, 8959-8972.	2.3	75
166	Faster electron injection and higher interface reactivity in g-C3N4/Fe2O3 nanohybrid for efficient photo-Fenton-like activity toward antibiotics degradation. Environmental Research, 2021, 195, 110842.	3.7	34
167	Z-scheme g-C₃N₄/Fe₂O₃ for efficient photo-oxidation of benzylamine under mild conditions. Semiconductor Science and Technology, 2021, 36, 075004.	1.0	5
168	Visible-Light-Driven Photocatalytic Water Disinfection Toward Escherichia coli by Nanowired g-C3N4 Film. Frontiers in Nanotechnology, 2021, 3, .	2.4	8
169	Structure/Property Control in Photocatalytic Organic Semiconductor Nanocrystals. Advanced Functional Materials, 2021, 31, 2104099.	7.8	31
170	Metabolomics reveals synergy between Ag and g-C3N4 in Ag/g-C3N4 composite photocatalysts: a unique feature among Ag-doped biocidal materials. Metabolomics, 2021, 17, 53.	1.4	2
171	Carbon Nanomaterials for Wastewater Treatment. ChemBioEng Reviews, 2021, 8, 463-489.	2.6	22
172	A facile electroless preparation of Cu, Sn and Sb oxides coated Ti electrode for electrocatalytic degradation of organic pollutants. Science of the Total Environment, 2021, 772, 144908.	3.9	19
173	One-pot synthesis of porous g-C3N4 nanosheets with enhanced photocatalytic activity under visible light. Diamond and Related Materials, 2021, 116, 108416.	1.8	16
174	Recent Advances on Porous Materials for Synergetic Adsorption and Photocatalysis. Energy and Environmental Materials, 2022, 5, 711-730.	7.3	30
175	Nitrogen-Doped Reduced Graphene Oxide Covalently Coupled with Graphitic Carbon Nitride/Sulfur-Doped Graphitic Carbon Nitride Heterojunction Nanocatalysts for Photoreduction and Degradation of 4-Nitrophenol. ACS Applied Nano Materials, 2021, 4, 7145-7161.	2.4	29
176	Metal-free polymeric carbon nitride photocatalytic bactericide: precursor-controlled killing activity of E. coli. Environmental Advances, 2021, 4, 100067.	2.2	3
177	Modulated BiOCl nanoplates with porous g-C3N4 nanosheets for photocatalytic degradation of color/colorless pollutants in natural sunlight. Journal of Physics and Chemistry of Solids, 2021, 154, 110064.	1.9	62
178	Graphitic carbon nitride-based materials for photocatalytic antibacterial application. Materials Science and Engineering Reports, 2021, 145, 100610.	14.8	145
179	Improved photodegradation and antimicrobial activity of hydrothermally synthesized 0.2Ce-TiO2/RGO under visible light. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 620, 126553.	2.3	20
180	An all-organic 0D/2D supramolecular porphyrin/g-C3N4 heterojunction assembled via Ï€-Ï€ interaction for efficient visible photocatalytic oxidation. Applied Catalysis B: Environmental, 2021, 291, 120059.	10.8	86
181	High surface area g-C3N4 and g-C3N4-TiO2 photocatalytic activity under UV and Visible light: Impact of individual component. Journal of Environmental Chemical Engineering, 2021, 9, 105587.	3.3	32

#	Article	IF	Citations
182	Atomic-Scale Tailoring and Molecular-Level Tracking of Oxygen-Containing Tungsten Single-Atom Catalysts with Enhanced Singlet Oxygen Generation. ACS Applied Materials & Interfaces, 2021, 13, 37142-37151.	4.0	9
183	Protonated graphitic carbon nitride/polypyrrole/reduced graphene oxide composites as efficient visible light driven photocatalysts for dye degradation and E. coli disinfection. Journal of Alloys and Compounds, 2021, 873, 159750.	2.8	32
184	Photocatalytic degradation of antibiotic-resistant genes and bacteria using 2D nanomaterials: What is known and what are the challenges?. Current Opinion in Green and Sustainable Chemistry, 2021, 30, 100471.	3.2	5
185	Create a strong internal electric-field on PDI photocatalysts for boosting phenols degradation via preferentially exposing Ï€-conjugated planes up to 100%. Applied Catalysis B: Environmental, 2022, 300, 120762.	10.8	43
186	Photocatalytic water purification with graphitic C3N4-based composites: Enhancement, mechanisms, and performance. Applied Materials Today, 2021, 24, 101118.	2.3	13
187	Fabrication of Ag/Ag2O incorporated graphitic carbon nitride based ZnO nanocomposite for enhanced Z-scheme photocatalytic performance of various organic pollutants and bacterial disinfection. Journal of Environmental Chemical Engineering, 2021, 9, 105996.	3.3	34
188	Enhancement of photocatalytic disinfection performance of the Bi4O5Br2 with the modification of silver quantum dots. Journal of Environmental Chemical Engineering, 2021, 9, 105867.	3.3	17
189	Sublimable xanthate-mediated solid-state synthesis of highly interspersed g-C3N4/Ag2S nanocomposites exhibiting efficient bactericidal effects both under dark and light conditions. Journal of Environmental Chemical Engineering, 2021, 9, 106065.	3.3	15
190	Construction of binary donorâ€“acceptor conjugated copolymer in g-C3N4 for enhanced visible light-induced hydrogen evolution. Applied Surface Science, 2021, 565, 150012.	3.1	15
191	A facile synthesis of high-crystalline g-C3N4 nanosheets with closed self-assembly strategy for enhanced photocatalytic H2 evolution. Journal of Alloys and Compounds, 2021, 881, 160551.	2.8	64
192	Organic dye-reformed construction of porous-defect g-C3N4 nanosheet for improved visible-light-driven photocatalytic activity. Applied Surface Science, 2021, 568, 150986.	3.1	33
193	A critical review on graphitic carbon nitride (g-C3N4)-based composites for environmental remediation. Separation and Purification Technology, 2021, 279, 119769.	3.9	54
194	Efficient persulfate activation by carbon defects g-C3N4 containing electron traps for the removal of antibiotics, resistant bacteria and genes. Chemical Engineering Journal, 2021, 426, 131677.	6.6	38
195	Facile single-step synthesis of MXene@CNTs hybrid nanocomposite by CVD method to remove hazardous pollutants. Chemosphere, 2022, 286, 131733.	4.2	46
196	Facile preparation of bismuth vanadate-sheet/carbon nitride rod-like interface photocatalyst for efficient degradation of model organic pollutant under direct sunlight irradiation. Chemosphere, 2022, 287, 132055.	4.2	14
197	Defective polymeric carbon nitride: Fabrications, photocatalytic applications and perspectives. Chemical Engineering Journal, 2022, 427, 130991.	6.6	85
198	Nanoscale Multidimensional Pd/TiO2/g-C3N4 Catalyst for Efficient Solar-Driven Photocatalytic Hydrogen Production. Catalysts, 2021, 11, 59.	1.6	10
199	Porous graphitic carbon nitride nanomaterials for water treatment. Environmental Science: Nano, 2021, 8, 1835-1862.	2.2	16

#	Article	IF	Citations
200	Recent advances in graphite carbon nitride-based nanocomposites: structure, antibacterial properties and synergies. Nanoscale Advances, 2021, 3, 3708-3729.	2.2	35
201	Utilizing recycled LiFePO4 from batteries in combination with B@C3N4 and CuFe2O4 as sustainable nano-junctions for high performance degradation of atenolol. Chemosphere, 2018, 209, 457-469.	4.2	29
202	One-step synthesis of high photocatalytic graphitic carbon nitride porous nanosheets. Nanotechnology, 2020, 31, 464001.	1.3	10
203	Graphitic carbon nitride/SmFeO₃ composite Z-scheme photocatalyst with high visible light activity. Nanotechnology, 2020, 31, 465704.	1.3	32
204	A hydrogen evolution system based on hybrid nanogel films with capabilities of spontaneous moisture collection and high light harvesting. Green Chemistry, 2021, 23, 8969-8978.	4.6	13
205	Visible lightâ€“driven photodegradation of Noxious methyl orange dye by Pd @ WO ₃ nanocomposite catalysts in aqueous solution. International Journal of Environmental Analytical Chemistry, 2023, 103, 8158-8175.	1.8	2
206	Facile fabrication of binder-free photoelectrode for sensitive glucose sensing. Nanotechnology, 2021, 33, .	1.3	1
207	Harnessing Photocatalytic and Photothermal Effects of C-Doped Graphitic Carbon Nitride for Efficient Bacterial Disinfection. ACS Applied Bio Materials, 2021, 4, 7587-7594.	2.3	6
208	2D/2D Heterojunction systems for the removal of organic pollutants: A review. Advances in Colloid and Interface Science, 2021, 297, 102540.	7.0	51
209	Photo-/Electro-catalytic Applications of Visible Light-Responsive Porous Graphitic Carbon Nitride Toward Environmental Remediation and Solar Energy Conversion. Environmental Chemistry for A Sustainable World, 2020, , 211-246.	0.3	1
210	Hydrophilic and underwater superoleophobic porous graphitic carbon nitride (g-C3N4) membranes with photo-Fenton self-cleaning ability for efficient oil/water separation. Journal of Colloid and Interface Science, 2022, 608, 1960-1972.	5.0	55
211	Direct Zâ€Scheme Structure gâ€C₃N₄â€BiOI with Highly Efficient Visibleâ€Lightâ€Driven Photocatalytic Activity for Bacteria Inactivation. ChemistrySelect, 2020, 5, 15084-15090.	0.7	4
212	Exfoliation method matters: The microstructure-dependent photoactivity of g-C3N4 nanosheets for water purification. Journal of Hazardous Materials, 2022, 424, 127424.	6.5	32
213	Degradation of Dye Wastewater over NH₂-UiO-66: Piezoelectrically Induced Mechano-Catalytic Effect. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2020, 35, 1023.	0.6	3
214	Enhancement of the Photodegradation Activity of Methylene Blue by the Lowâ€temperature Regulation of Oxideâ€rich Graphitic Carbon Nitride. ChemistrySelect, 2021, 6, 11407-11416.	0.7	3
215	Recent Advances in gâ€C₃N₄â€Based Photocatalysts for Pollutant Degradation and Bacterial Disinfection: Design Strategies, Mechanisms, and Applications. Small, 2022, 18, e2105089.	5.2	39
216	Photocatalytic Inactivation of Viruses Using Graphitic Carbon Nitride-Based Photocatalysts: Virucidal Performance and Mechanism. Catalysts, 2021, 11, 1448.	1.6	18
217	Black phosphorus-based heterostructures for photocatalysis and photoelectrochemical water splitting. Journal of Energy Chemistry, 2022, 67, 745-779.	7.1	51

#	Article	IF	Citations
218	Enhancement of redox capacity derived from O-doping of g-C₃N₄/WO₃ nanosheets for the photocatalytic degradation of tetracycline under different dissolved oxygen concentration. Dalton Transactions, 2022, 51, 1086-1098.	1.6	16
219	Integration of biological control with engineered heterojunction nano-photocatalysts for sustainable and effective management of water hyacinth weed. Journal of Environmental Chemical Engineering, 2022, 10, 106959.	3.3	18
220	Synergetic effect of adsorption-photocatalysis by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0014.svg"><mml:mrow><mml:mi mathvariant="normal">GO</mml:mi><mml:mo linebreak="badbreak">â^’</mml:mo><mml:mi mathvariant="normal">Ce</mml:mi><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:mspace width="1em" /></mml:mrow></mml:math>nanocomposites for photodegradation of doxorubicin.	3.3	32
221	Trash into treasure: Converting waste polyester into C3N4-based intramolecular donor-acceptor conjugated copolymer for efficient visible-light photocatalysis. Journal of Environmental Chemical Engineering, 2022, 10, 106959.	3.3	11
222	Surface synergetic effects of Pt clusters/monolayer Bi2MoO6 nanosheet for promoting the photocatalytic selective reduction of 4-nitrostyrene to 4-vinylaniline. Applied Catalysis B: Environmental, 2022, 304, 121010.	10.8	27
223	Graphitic carbon nitride for photodegradation of dye Molecules. , 2022, , 97-140.		0
224	Degradation of emergent pollutants using visible light-triggered photocatalysts. , 2022, , 433-465.		1
225	Designing S-scheme Au/g-C3N4/BiO1.2I0.6 plasmonic heterojunction for efficient visible-light photocatalysis. Separation and Purification Technology, 2022, 287, 120531.	3.9	38
226	Precursor-modified strategy to synthesize thin porous amino-rich graphitic carbon nitride with enhanced photocatalytic degradation of RhB and hydrogen evolution performances. Chinese Journal of Catalysis, 2022, 43, 497-506.	6.9	16
227	Graphene-derived antibacterial nanocomposites for water disinfection: Current and future perspectives. Environmental Pollution, 2022, 298, 118836.	3.7	33
228	Co3O4 modified polymeric carbon nitride for external light-free chlorine activating degradation of organic pollutants. Journal of Hazardous Materials, 2022, 429, 128193.	6.5	9
229	Chapter 5. 2D Photocatalytic Materials for Environmental Applications. Inorganic Materials Series, 2022, , 217-293.	0.5	0
230	Nanoscale metal oxidesâ€“2D materials heterostructures for photoelectrochemical water splittingâ€”a review. Journal of Materials Chemistry A, 2022, 10, 8656-8686.	5.2	48
231	Developing high photocatalytic antibacterial Zn electrodeposited coatings through Schottky junction with Fe3+-doped alkalized g-C3N4 photocatalysts. Nano Materials Science, 2023, 5, 177-188.	3.9	8
232	Experimental investigation into the Ï€-conjugated HT-g-C3N4/MoS2 (X) evokes the electron transport in type-II heterojunction to achieve high photocatalytic antibiotic removal under visible-light irradiation. Separation and Purification Technology, 2022, 292, 121028.	3.9	14
233	Insight into the visible light activation of sulfite by Fe/g-C3N4 with rich N vacancies for pollutant removal and sterilization: A novel approach for enhanced generation of oxysulfur radical. Chemical Engineering Journal, 2022, 438, 135663.	6.6	31
234	Phosphorus and sulfur codoped carbon nitride nanosheets with enhanced photocatalytic antibacterial activity and promotion of wound healing. Applied Surface Science, 2022, 586, 152761.	3.1	15
235	Coral-like potassium and phosphorous doped graphitic carbon nitride structures with enhanced charge and mass transfer dynamics toward photocatalytic hydrogen peroxide production and microbial disinfection. Journal of Colloid and Interface Science, 2022, 617, 326-340.	5.0	23

#	Article	IF	Citations
236	A nanohybrid of Prussian blue supported by boracic acid-modified g-C3N4 for Raman recognition of cell surface sialic acid and photothermal/photodynamic therapy. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112490.	2.5	11
237	A 3D/0D cobalt-embedded nitrogen-doped porous carbon/supramolecular porphyrin magnetic-separation photocatalyst with highly efficient pollutant degradation and water oxidation performance. Journal of Materials Science and Technology, 2022, 124, 53-64.	5.6	18
238	g-C3N4: Properties, Pore Modifications, and Photocatalytic Applications. Nanomaterials, 2022, 12, 121.	1.9	55
239	Synthesis of tunnel structured g-C3N4 through a facile vapor deposition method using SBA-15 and KIT-6 as templates and their photocatalytic degradation of tetracycline hydrochloride and phenol. Journal of Environmental Chemical Engineering, 2022, 10, 107871.	3.3	6
240	Morphology and defects design in g-C3N4 for efficient and simultaneous visible-light photocatalytic hydrogen production and selective oxidation of benzyl alcohol. International Journal of Hydrogen Energy, 2022, 47, 18738-18747.	3.8	22
241	Unprecedentedly efficient mineralization performance of photocatalysis-self-Fenton system towards organic pollutants over oxygen-doped porous g-C3N4 nanosheets. Applied Catalysis B: Environmental, 2022, 312, 121438.	10.8	105
242	Efficient Interfacial Charge Transfer Based on 2D/2D Heterojunctions of Fe-C3N4/Ti3C2 for Improving the Photocatalytic Degradation of Antibiotics. Frontiers in Chemistry, 2022, 10, .	1.8	4
243	Porous and Few-Layer Carbon Nitride Nanosheets via Surface Steam Etching for Enhanced Photodegradation Activity. ACS Applied Nano Materials, 2022, 5, 7798-7810.	2.4	9
244	Recent advances in metal-free catalysts for the remediation of antibiotics, antibiotic resistant bacteria (ARB), and antibiotic resistant genes (ARGs). Journal of Materials Chemistry A, 2022, 10, 15235-15266.	5.2	19
245	Porphyrin covalent organic nanodisks synthesized using acid-assisted exfoliation for improved bactericidal efficacy. Nanoscale Advances, 2022, 4, 2992-2995.	2.2	1
246	Investigation of Photo(electro)catalytic water splitting to evolve H2 on Pt-g-C3N4 nanosheets. International Journal of Hydrogen Energy, 2022, 47, 28007-28018.	3.8	15
247	Enhanced boron modified graphitic carbon nitride for the selective photocatalytic production of benzaldehyde. Separation and Purification Technology, 2022, 298, 121613.	3.9	6
248	Efficient and reusable photocatalytic river water disinfection by addictive graphitic carbon nitride/magnesium oxide nano-onions with particular â€œnano-magnifying glass effectâ€• Journal of Hazardous Materials, 2022, 439, 129533.	6.5	5
249	Facile in-situ fabrication of ZnO2/CQD composites with promoted visible-light photocatalytic activities for organic degradation and bacterial inactivation. Applied Surface Science, 2022, 604, 154629.	3.1	11
250	Organic composite photocatalysts from g-C3N4 and soluble dibenzothiophene-S-Sâ€™-dioxide-containing polymer for hydrogen evolution. New Journal of Chemistry, 0, , .	1.4	0
251	Elongated Sn-Doped G-C3n4 as a Novel Photoelectrocatalyst for Water Oxidation. SSRN Electronic Journal, 0, , .	0.4	0
252	Research Progress on Graphitic Carbon Nitride/Metal Oxide Composites: Synthesis and Photocatalytic Applications. International Journal of Molecular Sciences, 2022, 23, 12979.	1.8	4
253	Constructing boron-doped graphitic carbon nitride with 2D/1D porous hierarchical architecture and efficient N2 photofixation. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 656, 130481.	2.3	6

#	Article	IF	Citations
254	Facet-induced charge transfer and photocatalytic performance of an S-scheme hybrid heterojunction composed of porous g-C3N4 nanosheets and WO3 nanorods with exposed high-energy (0 0 1) facets. Applied Surface Science, 2023, 610, 155569.	3.1	10
255	Enhancing photocatalytic nitrogen fixation performance of Co-doped bismuth molybdate through band engineering tuning. Applied Surface Science, 2023, 611, 155627.	3.1	16
256	A comparative review on adsorption and photocatalytic degradation of classified dyes with metal/non-metal-based modification of graphitic carbon nitride nanocomposites: Synthesis, mechanism, and affecting parameters. Journal of Cleaner Production, 2023, 382, 134967.	4.6	37
257	Synchronized wet-chemical development of 2-dimensional MoS2 and g-C3N4/MoS2 QDs nanocomposite as efficient photocatalysts for detoxification of aqueous dye solutions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2023, 657, 130581.	2.3	9
258	Enhancement strategies for ZnSe based photocatalysts: Application to environmental remediation and energy conversion. Chemical Engineering Research and Design, 2023, 170, 415-435.	2.7	14
259	High-efficiency pollutant degradation, disinfection and H2O2 production activities of magnetically separable Co-imbedded N-doped carbonaceous framework/supramolecular perylene diimide photocatalyst. Applied Catalysis B: Environmental, 2023, 324, 122282.	10.8	15
260	Design and Fabrication of a Retrievable Magnetic Halloysite Nanotubes Supported Nickel Catalyst for the Efficient Degradation of Methylviolet 6B and Acid Orange 7. ChemistrySelect, 2022, 7, .	0.7	0
261	Porous g-C₃N₄ Nanosheets for Onâ€“Offâ€“On Fluorescence Detection and Elimination of Chromium(VI) and Sulfite. ACS Applied Nano Materials, 2023, 6, 750-758.	2.4	6
262	Photocatalytic foams for water treatment: A systematic review and meta-analysis. Journal of Environmental Chemical Engineering, 2023, 11, 109238.	3.3	7
263	Photocatalytic degradation and bacterial disinfection applications of graphitic carbon nitride. , 2023, , 157-206.		0
264	Efficient electrochemical NO reduction to NH3 over metal-free g-C3N4 nanosheets and the role of interface microenvironment. Journal of Hazardous Materials, 2023, 448, 130890.	6.5	5
265	Highly Porous Thin-Layer g-C₃N₄ Nanosheets with Enhanced Adsorption Capacity. ACS Applied Nano Materials, 2023, 6, 1732-1743.	2.4	19
266	Sn-doped g-C3N4 as a novel photoelectrocatalyst for water oxidation. Journal of Physics and Chemistry of Solids, 2023, 176, 111242.	1.9	3
268	Visible light-assisted photocatalytic degradation of organic contaminants using nitrogen-doped graphene quantum dots@MnCo2O4 nanocomposite. Journal of Materials Science: Materials in Electronics, 2023, 34, .	1.1	3
269	Through Space Sigma Donation Ï€ Acceptor Assisted Photocatalytic Degradation of Ciprofloxacin on TCPP Supported gâ€C₃N₄. ChemistrySelect, 2023, 8, .	0.7	5
270	Effect of Calcium on Two-Dimensional Morphology and Photocatalytic Properties of Tin Oxide Nanoparticles. Asian Journal of Chemistry, 2023, 35, 679-686.	0.1	0
271	Photocatalytic turnover number & turnover frequency of 4-HNB under solar light by â€˜1â€™ photocatalyst with & without reducer. Main Group Chemistry, 2023, , 1-9.	0.4	0
272	Effect of acids on optical and dielectric properties of g-C3N4 and the DFT simulation. Optical and Quantum Electronics, 2023, 55, .	1.5	0

#	Article	IF	Citations
273	Bi_xO_yI_z with oxygen vacancies for boosting the photocatalytic oxidation of bisphenol A and tetracycline. New Journal of Chemistry, 2023, 47, 9271-9278.	1.4	2
274	Comparative life cycle assessment of graphitic carbon nitride synthesis routes. Journal of Industrial Ecology, 2023, 27, 1008-1020.	2.8	0
275	Transition metal doped CeO2 for photocatalytic removal of 2-chlorophenol in the exposure of indoor white light and antifungal activity. Frontiers in Chemistry, 0, 11, .	1.8	1
287	Metal-free photocatalysts for solar-driven water disinfection: recent progress and challenges. Catalysis Science and Technology, 0, , .	2.1	1
291	Research status and prospects of organic photocatalysts in algal inhibition and sterilization: a review. Environmental Science and Pollution Research, 0, , .	2.7	0