Citation Report

List of articles citing

Graphene-analogue carbon nitride: novel exfoliation synthesis and its application in photocatalysis and photoelectrochemical selective detection of trace amount of Cu +

DOI: 10.1039/c3nr04759h
Nanoscale, 2014, 6, 1406-15.

#	Paper	IF	Citations
330	Accelerated Bone Regeneration by Two-Photon Photoactivated Carbon Nitride Nanosheets.		
329	.		
328	Nanoparticles of Graphitic Carbon Nitride: Stabilization in Aqueous Solutions, Spectral and Luminescent Properties. **2014**, 50, 291-298		2
327	A novel multi-amplification photoelectrochemical immunoassay based on copper(II) enhanced polythiophene sensitized graphitic carbon nitride nanosheet. **2014**, 62, 315-9		32
326	Exfoliated graphene-like carbon nitride in organic solvents: enhanced photocatalytic activity and highly selective and sensitive sensor for the detection of trace amounts of Cu2+. **2014**, 2, 2563		288
325	Graphitic Carbon Nitride Nanorods for Photoelectrochemical Sensing of Trace Copper(II) Ions. **2014** , 2014, 3665-3673		44
324	Graphitic carbon nitride nanosheets: one-step, high-yield synthesis and application for Cu2+ detection. **2014**, 139, 5065-8		95
323	Porous carbon nitride nanosheets for enhanced photocatalytic activities. *Nanoscale*, **2014**, 6, 14984-90	7.7	95
322	Constructing atomic layer g-C□□CdS nanoheterojunctions with efficiently enhanced visible light photocatalytic activity. **2014**, 16, 21280-8		126
321	Water-soluble ribbon-like graphitic carbon nitride (g-C3N4): green synthesis, self-assembly and unique optical properties. **2014**, 2, 8212-8215		90
320	Photocatalytic and photoelectrochemical studies of visible-light active □Fe2O3□-C3N4 nanocomposites. **2014**, 4, 38222-38229		177
319	Nature-Inspired Environmental □Phosphorylation□Boosts Photocatalytic H2 Production over Carbon Nitride Nanosheets under Visible-Light Irradiation. **2015**, 127, 13765-13769		81
318	Nature-Inspired Environmental "Phosphorylation" Boosts Photocatalytic H2 Production over Carbon Nitride Nanosheets under Visible-Light Irradiation. **2015**, 54, 13561-5		222
317	Three-Dimensional Porous HxTiS2 Nanosheet-Polyaniline Nanocomposite Electrodes for Directly Detecting Trace Cu(II) Ions. **2015**, 87, 5605-13		35
316	Facile synthesis of flexible gold film electrodes for highly selective photoelectrochemical sensing of ascorbic acid. **2015**, 759, 2-7		5
315	Synthesis of g-C3N4 at different temperatures for superior visible/UV photocatalytic performance and photoelectrochemical sensing of MB solution. **2015**, 5, 101552-101562		105
314	Fluorescence sensing of chromium (VI) and ascorbic acid using graphitic carbon nitride nanosheets as a fluorescent "switch". **2015**, 68, 210-217		212

313	A novel reversible colorimetric chemosensor for the detection of Cu2+ based on a water-soluble polymer containing rhodamine receptor pendants. **2015**, 5, 18983-18989		21
312	Micro/nano-structured graphitic carbon nitride/Ag nanoparticle hybrids as surface-enhanced Raman scattering substrates with much improved long-term stability. **2015**, 87, 193-205		63
311	Controllable synthesis of CeO2/g-C3N4 composites and their applications in the environment. **2015**, 44, 7021-31		101
310	A label-free fluorescence sensing approach for selective and sensitive detection of 2,4,6-trinitrophenol (TNP) in aqueous solution using graphitic carbon nitride nanosheets. **2015**, 87, 1288-96		258
309	Fluorescent probes for □□□sensitive and selective detection of mercury ions and L-cysteine based on graphitic carbon nitride nanosheets. **2015**, 3, 2093-2100		64
308	Magnetically separable CdFe2O4/graphene catalyst and its enhanced photocatalytic properties. **2015**, 3, 3576-3585		47
307	Brand new P-doped g-C3N4: enhanced photocatalytic activity for H2 evolution and Rhodamine B degradation under visible light. **2015**, 3, 3862-3867		381
306	Fabrication of inorganic□□rganic core□□hell heterostructure: novel CdS@g-C3N4 nanorod arrays for photoelectrochemical hydrogen evolution. **2015**, 5, 14074-14080		65
305	Polymeric photocatalysts based on graphitic carbon nitride. **2015**, 27, 2150-76		2367
304	Synthesis of g-C3N4/Ag3VO4 composites with enhanced photocatalytic activity under visible light irradiation. **2015**, 271, 96-105		132
303	g-C3N4/Ag3PO4 composites with synergistic effect for increased photocatalytic activity under the visible light irradiation. **2015**, 39, 726-734		44
302	High-yield synthesis and optical properties of g-C3N4. *Nanoscale*, **2015**, 7, 12343-50	7.7	208
301	Mesoporous silica thin film mechanized with a DNAzyme-based molecular switch for electrochemical biosensing. *Electrochemistry Communications*, **2015**, 58, 57-61	5.1	25
300	Recent progress in g-C3N4 based low cost photocatalytic system: activity enhancement and emerging applications. *Catalysis Science and Technology*, **2015**, 5, 5048-5061	5.5	179
299	Surface charge modification via protonation of graphitic carbon nitride (g-C3N4) for electrostatic self-assembly construction of 2D/2D reduced graphene oxide (rGO)/g-C3N4 nanostructures toward enhanced photocatalytic reduction of carbon dioxide to methane. **2015**, 13, 757-770		577
298	Preparation of 2D hydroxyl-rich carbon nitride nanosheets for photocatalytic reduction of CO2. **2015**, 5, 33254-33261		87
297	Assessing photocatalytic power of g-C3N4 for solar fuel production: A first-principles study involving quasi-particle theory and dispersive forces. **2015**, 143, 094705		11
296	Synthesis of highly fluorescent P,O-g-C3N4 nanodots for the label-free detection of Cu2+ and acetylcholinesterase activity. **2015**, 3, 10916-10924		61

295	A Sensitive Sensor for trace Hg2+ Determination Based on Ultrathin g-C3N4 Modified Glassy Carbon Electrode. **2015**, 186, 192-200	70
294	Porous P-doped graphitic carbon nitride nanosheets for synergistically enhanced visible-light photocatalytic H2 production. **2015**, 8, 3708-3717	903
293	Investigating the Dispersion Behavior in Solvents, Biocompatibility, and Use as Support for Highly Efficient Metal Catalysts of Exfoliated Graphitic Carbon Nitride. **2015**, 7, 24032-45	44
292	Dendritic Tip-on Polytriazine-Based Carbon Nitride Photocatalyst with High Hydrogen Evolution Activity. **2015**, 27, 8237-8247	108
291	Synthesis of few-layer MoS2 nanosheet-loaded Ag3PO4 for enhanced photocatalytic activity. **2015**, 44, 3057-66	66
290	Synthesis of a visible-light active V2O5□-C3N4 heterojunction as an efficient photocatalytic and photoelectrochemical material. **2015**, 39, 1367-1374	152
289	Efficient synthesis of monolayer carbon nitride 2D nanosheet with tunable concentration and enhanced visible-light photocatalytic activities. **2015**, 163, 135-142	376
288	Two-dimensional soft nanomaterials: a fascinating world of materials. **2015**, 27, 403-27	374
287	Construction of a 2D Graphene-Like MoS2/C3N4 Heterojunction with Enhanced Visible-Light Photocatalytic Activity and Photoelectrochemical Activity. **2016**, 22, 4764-73	135
286	Polycondensation of ammonium thiocyanate into novel porous g-C3N4 nanosheets as photocatalysts for enhanced hydrogen evolution under visible light irradiation. **2016**, 37, 1899-1906	27
285	Efficient degradation of organic pollutants and hydrogen evolution by g-C3N4 using melamine as the precursor and urea as the modifier. **2016**, 6, 33589-33598	30
284	Constructing confined surface carbon defects in ultrathin graphitic carbon nitride for photocatalytic free radical manipulation. **2016**, 107, 1-10	121
283	Graphitic Carbon Nitride (g-C3N4)-Based Photocatalysts for Artificial Photosynthesis and Environmental Remediation: Are We a Step Closer To Achieving Sustainability?. **2016**, 116, 7159-329	4018
282	Constructing a novel carbon nitride/polyaniline/ZnO ternary heterostructure with enhanced photocatalytic performance using exfoliated carbon nitride nanosheets as supports. **2016**, 314, 67-77	90
281	Green synthesis of graphitic carbon nitride nanodots using sodium chloride template. **2016**, 18, 1	6
280	Fabrication of the protonated graphitic carbon nitride nanosheets as enhanced electrochemical sensing platforms for hydrogen peroxide and paracetamol detection. **2016**, 206, 259-269	50
279	Graphitic Carbon Nitride Materials: Sensing, Imaging and Therapy. **2016**, 12, 5376-5393	152
278	One step preparation of proton-functionalized photoluminescent graphitic carbon nitride and its sensing applications. **2016**, 6, 98893-98898	16

277	Photoelectrochemical determination of Cu2+ ions based on assembly of Au/ZnS nanoparticles. **2016**, 235, 432-438	19
276	WO3 nanorod photocatalysts decorated with few-layer g-C3N4 nanosheets: controllable synthesis and photocatalytic mechanism research. **2016**, 6, 80193-80200	16
275	Embedding Metal in the Interface of a p-n Heterojunction with a Stack Design for Superior Z-Scheme Photocatalytic Hydrogen Evolution. **2016**, 8, 23133-42	170
274	Photocatalytic Activity of Mesoporous Graphitic Carbon Nitride (mpg-C3N4) Towards Organic Chromophores Under UV and VIS Light Illumination. **2016**, 59, 1305-1318	42
273	Synthesizing a nano-composite of BSA-capped Au nanoclusters/graphitic carbon nitride nanosheets as a new fluorescent probe for dopamine detection. **2016**, 942, 112-120	47
272	A silver on 2D white-C3N4 support photocatalyst for mechanistic insights: synergetic utilization of plasmonic effect for solar hydrogen evolution. **2016**, 6, 112420-112428	28
271	NIR-driven graphitic-phase carbon nitride nanosheets for efficient bioimaging and photodynamic therapy. **2016**, 4, 8000-8008	43
270	Visible-Light-Responsive Graphitic Carbon Nitride: Rational Design and Photocatalytic Applications for Water Treatment. **2016**, 50, 12938-12948	190
269	Ultrasonic-assisted sol-gel synthesis of rugby-shaped SrFe2O4/reduced graphene oxide hybrid as versatile visible light photocatalyst. **2016**, 69, 156-162	9
268	Graphene in Photocatalysis: A Review. **2016**, 12, 6640-6696	605
267	Polymeric Carbon Nitride Nanosheets/Graphene Hybrid Phototransistors with High Responsivity. **2016**, 4, 555-561	28
266	Oxygenated monolayer carbon nitride for excellent photocatalytic hydrogen evolution and external quantum efficiency. **2016**, 27, 138-146	303
265	Photoelectrochemical detection of metal ions. **2016**, 141, 4262-71	62
264	A hierarchical charge transport cascade based on W-Bi 2 S 3 /poly(thiophenyl-3-boronic acid) hybrid for robust photoelectrochemical analysis of subgroup J of avian leukosis virus. **2016**, 229, 75-81	18
263	Surface activated carbon nitride nanosheets with optimized electro-optical properties for highly efficient photocatalytic hydrogen production. **2016**, 4, 2445-2452	105
262	Rapid and morphology controlled synthesis of anionic S-doped TiO2 photocatalysts for the visible-light-driven photodegradation of organic pollutants. **2016**, 6, 36516-36527	39
261	Facile construction of CuFe2O4/g-C3N4 photocatalyst for enhanced visible-light hydrogen evolution. **2016**, 6, 18990-18995	58
260	Graphitic carbon nitride "reloaded": emerging applications beyond (photo)catalysis. **2016**, 45, 2308-26	595

259	Synchronous surface hydroxylation and porous modification of g-C3N4 for enhanced photocatalytic H2 evolution efficiency. *International Journal of Hydrogen Energy*, **2016**, 41, 3888-3895	6.7	31
258	Controlled synthesis of ordered mesoporous g-C3N4 with a confined space effect on its photocatalytic activity. **2016**, 46, 59-68		40
257	A highly selective and reversible water-soluble polymer based-colorimetric chemosensor for rapid detection of Cu2+ in pure aqueous solution. **2016**, 40, 4513-4518		35
256	Water-assisted ions in situ intercalation for porous polymeric graphitic carbon nitride nanosheets with superior photocatalytic hydrogen evolution performance. **2016**, 190, 93-102		165
255	An insight toward the photocatalytic activity of S doped 1-D TiO2 nanorods prepared via novel route: As promising platform for environmental leap. **2016**, 412, 78-92		41
254	Preparation of protonated, two-dimensional graphitic carbon nitride nanosheets by exfoliation, and their application as a fluorescent probe for trace analysis of copper(II). **2016**, 183, 773-780		30
253	Template-free synthesis of 2D porous ultrathin nonmetal-doped g-C 3 N 4 nanosheets with highly efficient photocatalytic H 2 evolution from water under visible light. **2016**, 187, 144-153		324
252	Mesostructured CeO2/g-C3N4 nanocomposites: Remarkably enhanced photocatalytic activity for CO2 reduction by mutual component activations. **2016**, 19, 145-155		270
251	Graphene-like 2D nanomaterial-based biointerfaces for biosensing applications. **2017**, 89, 43-55		182
250	Two-dimensional graphitic carbon nitride nanosheets for biosensing applications. **2017**, 89, 212-223		89
249	TiO-NiO p-n nanocomposite with enhanced sonophotocatalytic activity under diffused sunlight. **2017**, 35, 655-663		67
248	A review on g-C 3 N 4 -based photocatalysts. **2017**, 391, 72-123		1687
247	Non-metal photocatalyst nitrogen-doped carbon nanotubes modified mpg-C(3)N(4):facile synthesis and the enhanced visible-light photocatalytic activity. **2017**, 494, 38-46		53
246	Metal-free hybrids of graphitic carbon nitride and nanodiamonds for photoelectrochemical and photocatalytic applications. **2017**, 493, 275-280		28
245	Nanostructured Bi2O3@TiO2 photocatalyst for enhanced hydrogen production. *International Journal of Hydrogen Energy*, **2017**, 42, 6627-6636	6.7	71
244	Graphene quantum dots modified mesoporous graphite carbon nitride with significant enhancement of photocatalytic activity. **2017**, 207, 429-437		175
243	Facile Soft-Templated Synthesis of High-Surface Area and Highly Porous Carbon Nitrides. **2017**, 29, 1496-1506		71
242	Novel graphitic-C3N4 nanosheets: enhanced visible light photocatalytic activity and photoelectrochemical detection of methylene blue dye. **2017**, 32, 391-398		7

241	Nanocomposites of CN with Layers of MoS and Nitrogenated RGO, Obtained by Covalent Cross-Linking: Synthesis, Characterization, and HER Activity. **2017**, 9, 10664-10672	95
240	One-step exfoliation and fluorination of g-C3N4 nanosheets with enhanced photocatalytic activities. **2017**, 41, 3061-3067	37
239	High-index facet engineering of PtCu cocatalysts for superior photocatalytic reduction of CO2 to CH4. **2017**, 5, 6686-6694	70
238	Spectral and photophysical properties of size-selected ZnO nanocrystals coupled to single-layer carbon nitride sheets. **2017**, 2, 38-48	7
237	An inner filter effect fluorescent sensor based on g-C3N4 nanosheets/chromogenic probe for simple detection of glutathione. **2017**, 248, 639-645	25
236	Dry synthesis of water lily flower like SrO 2 /g-C 3 N 4 nanohybrids for the visible light induced superior photocatalytic activity. **2017**, 93, 112-122	36
235	Reversible Formation of g-C3N4 3D Hydrogels through Ionic Liquid Activation: Gelation Behavior and Room-Temperature Gas-Sensing Properties. **2017**, 27, 1700653	59
234	High Efficiency Photocatalytic Water Splitting Using 2D □Fe2O3/g-C3N4 Z-Scheme Catalysts. **2017**, 7, 1700025	501
233	One-step large-scale highly active g-CN nanosheets for efficient sunlight-driven photocatalytic hydrogen production. **2017**, 46, 10678-10684	73
232	Graphitic carbon nitride quantum dots in situ coupling to Bi2MoO6 nanohybrids with enhanced charge transfer performance and photoelectrochemical detection of copper ion. **2017**, 787, 66-71	30
231	Graphitic carbon nitride as immobilization platform for ssDNA in a genosensor. **2017**, 250, 162-168	8
230	Graphene-like carbon nitride nanosheet as a novel sensing platform for electrochemical determination of tryptophan. **2017**, 505, 964-972	40
229	Efficient removal of chromium from water by Mn 3 O 4 @ZnO/Mn 3 O 4 composite under simulated sunlight irradiation: Synergy of photocatalytic reduction and adsorption. **2017**, 214, 126-136	150
228	g-C 3 N 4 /Nb 2 O 5 heterostructures tailored by sonochemical synthesis: Enhanced photocatalytic performance in oxidation of emerging pollutants driven by visible radiation. **2017**, 216, 70-79	83
227	Graphitic carbon nitride supported platinum nanocomposites for rapid and sensitive colorimetric detection of mercury ions. **2017**, 980, 72-78	35
226	Preparation of pompon-like ZnO-PANI heterostructure and its applications for the treatment of typical water pollutants under visible light. **2017**, 338, 276-286	48
225	Synthesis of nano-porous carbon and nitrogen doped carbon dots from an anionic MOF: a trace cobalt metal residue in carbon dots promotes electrocatalytic ORR activity. **2017**, 5, 13573-13580	76
224	Doping of graphitic carbon nitride for photocatalysis: A reveiw. **2017**, 217, 388-406	802

223	Layer Stacked Iodine and Phosphorus Co-doped C3N4 for Enhanced Visible-Light Photocatalytic Hydrogen Evolution. **2017**, 9, 4083-4089	31
222	Polymeric Carbon Nitride-Based Composites for Visible-Light-Driven Photocatalytic Hydrogen Generation. **2017**, 579-621	6
221	Fish-scale structured g-C3N4 nanosheet with unusual spatial electron transfer property for high-efficiency photocatalytic hydrogen evolution. **2017**, 210, 173-183	118
220	Designing Z-scheme 2D-C3N4/Ag3VO4 hybrid structures for improved photocatalysis and photocatalytic mechanism insight. **2017**, 214, 1600946	16
219	In situ construction of Z-scheme g-C3N4/Mg1.1Al0.3Fe0.2O1.7 nanorod heterostructures with high N2 photofixation ability under visible light. **2017**, 7, 18099-18107	46
218	Tailoring heterostructured BiMoO/BiS nanobelts for highly selective photoelectrochemical analysis of gallic acid at drug level. **2017**, 94, 107-114	31
217	On□off□on fluorescence sensing of glutathione in food samples based on a graphitic carbon nitride (g-C3N4)□Cu2+ strategy. **2017**, 41, 3374-3379	17
216	Two-dimensional porous architecture of protonated GCN and reduced graphene oxide via electrostatic self-assembly strategy for high photocatalytic hydrogen evolution under visible light. **2017**, 399, 139-150	56
215	Single layer two-dimensional O-g-C3N4: An efficient photocatalyst for improved molecular oxygen activation ability. **2017**, 214, 1600704	13
214	Enhanced photocatalytic activities of g-C3N4 with large specific surface area via a facile one-step synthesis process. **2017**, 125, 454-463	50
213	Enhanced Photoelectrochemical Cathodic Protection Performance of the Secondary Reduced Graphene Oxide Modified Graphitic Carbon Nitride. **2017**, 164, C822-C830	22
212	Twin defects engineered Pd cocatalyst on CN nanosheets for enhanced photocatalytic performance in CO reduction reaction. **2017**, 28, 484003	51
211	Synthesis, properties, and application of polymeric carbon nitrides. **2017**, 66, 782-807	7
210	Graphitic carbon nitride modified by thermal, chemical and mechanical processes as metal-free photocatalyst for the selective synthesis of benzaldehyde from benzyl alcohol. **2017**, 353, 44-53	65
209	Construction and preparation of novel 2D metal-free few-layer BN modified graphene-like g-CN with enhanced photocatalytic performance. **2017**, 46, 11250-11258	39
208	Tuning the structure and composition of graphite-phase polymeric carbon nitride/reduced graphene oxide composites towards enhanced lithium-sulfur batteries performance. **2017**, 248, 541-546	16
207	Tailored Graphitic Carbon Nitride Nanostructures: Synthesis, Modification, and Sensing Applications. **2017**, 27, 1702695	103
206	Easy dispersion and excellent visible-light photocatalytic activity of the ultrathin urea-derived g-C 3 N 4 nanosheets. **2017**, 425, 535-546	46

205	Construction of g-C 3 N 4 /Al 2 O 3 hybrids via in-situ acidification and exfoliation with enhanced photocatalytic activity. **2017**, 394, 340-350	32
204	Fe3+ doping promoted N2 photofixation ability of honeycombed graphitic carbon nitride: The experimental and density functional theory simulation analysis. **2017**, 201, 58-69	207
203	Ultra-high sensitive voltammetric sensor modified by largely oxygenous functionalized ultrathin carbon nitride nanosheets for detection of Cu (II). **2017**, 242, 897-903	15
202	Enhancing charge density and steering charge unidirectional flow in 2D non-metallic semiconductor-CNTs-metal coupled photocatalyst for solar energy conversion. **2017**, 202, 112-117	62
201	Crystalline phase engineering on cocatalysts: A promising approach to enhancement on photocatalytic conversion of carbon dioxide to fuels. **2018**, 230, 145-153	21
200	Dwindling the re-stacking by simultaneous exfoliation of boron nitride and decoration of □Fe2O3 nanoparticles using a solvothermal route. **2018**, 42, 5090-5095	7
199	Inducing microstructural changes in Nafion by incorporating graphitic carbon nitride to enhance the vanadium-blocking effect. **2018**, 20, 7694-7700	21
198	Gold/monolayer graphitic carbon nitride plasmonic photocatalyst for ultrafast electron transfer in solar-to-hydrogen energy conversion. **2018**, 39, 760-770	30
197	lipase covalently immobilized on facilely-synthesized carbon nitride nanosheets as a novel biocatalyst.. **2018**, 8, 14229-14236	15
196	PEEK reinforced with low-loading 2D graphitic carbon nitride nanosheets: High wear resistance under harsh lubrication conditions. **2018**, 109, 507-516	19
195	VISIBLE-LIGHT-DRIVEN PHOTOCATALYSIS. **2018**, 109-173	
194	Facile One-Pot Two-Step Synthesis of Novel in Situ Selenium-Doped Carbon Nitride Nanosheet Photocatalysts for Highly Enhanced Solar Fuel Production from CO2. **2018**, 1, 47-54	45
193	Porous defect-modified graphitic carbon nitride via a facile one-step approach with significantly enhanced photocatalytic hydrogen evolution under visible light irradiation. **2018**, 226, 1-9	196
192	Rationally designed MoS/protonated g-CN nanosheet composites as photocatalysts with an excellent synergistic effect toward photocatalytic degradation of organic pollutants. **2018**, 347, 431-441	80
191	Toward an Aqueous Solar Battery: Direct Electrochemical Storage of Solar Energy in Carbon Nitrides. **2018**, 30, 1705477	79
190	Rapid high-temperature treatment on graphitic carbon nitride for excellent photocatalytic H2-evolution performance. **2018**, 233, 80-87	52
189	Moderate Bacterial Etching Allows Scalable and Clean Delamination of g-CN with Enriched Unpaired Electrons for Highly Improved Photocatalytic Water Disinfection. **2018**, 10, 13796-13804	57
188	Microwave assisted in situ decoration of a g-C3N4 surface with CdCO3 nanoparticles for visible light driven photocatalysis. **2018**, 42, 6322-6331	32

187	Remarkably enhanced H2 evolution activity of oxidized graphitic carbon nitride by an extremely facile K2CO3-activation approach. **2018**, 232, 322-329		36
186	Molecules, semiconductors, light and information: Towards future sensing and computing paradigms. *Coordination Chemistry Reviews*, **2018**, 365, 23-40	23.2	21
185	Facile microwave assisted synthesis of N-rich carbon quantum dots/dual-phase TiO2 heterostructured nanocomposites with high activity in CO2 photoreduction. **2018**, 231, 269-276		80
184	Heteroatom-Doped Carbonaceous Photocatalysts for Solar Fuel Production and Environmental Remediation. **2018**, 10, 62-123		32
183	Facile synthesis of few-layer g-C3N4/ZnO composite photocatalyst for enhancing visible light photocatalytic performance of pollutants removal. **2018**, 537, 516-523		41
182	Preparation of 2D/2D g-C3N4 nanosheet@ZnIn2S4 nanoleaf heterojunctions with well-designed high-speed charge transfer nanochannels towards high-efficiency photocatalytic hydrogen evolution. **2018**, 220, 542-552		236
181	Green synthesis of graphitic carbon nitride nanosheet (g-CN) and using it as a label-free fluorosensor for detection of metronidazole via quenching of the fluorescence. **2018**, 176, 518-525		78
180	Direct catalytic hydroxylation of benzene to phenol catalyzed by vanadia supported on exfoliated graphitic carbon nitride. **2018**, 549, 31-39		31
179	Designing all-solid-state Z-Scheme 2D g-C 3 N 4 /Bi 2 WO 6 for improved photocatalysis and photocatalytic mechanism insight. **2018**, 3, 229-238		12
178	An environment-friendly route to synthesize pyramid-like g-C3N4 arrays for efficient degradation of rhodamine B under visible-light irradiation. **2018**, 334, 1869-1877		43
177	Combined determination of copper ions and β-amyloid peptide by a single ratiometric electrochemical biosensor. **2017**, 143, 323-331		32
176	Self-assembled synthesis of defect-engineered graphitic carbon nitride nanotubes for efficient conversion of solar energy. **2018**, 225, 154-161		210
175	Metal-Free Organic Semiconductors for Visible-Light-Active Photocatalytic Water Splitting. **2018**, 329-363		
174	A green and facile method to prepare graphitic carbon nitride nanosheets with outstanding photocatalytic H2O2 production ability via NaClO hydrothermal treatment. **2018**, 42, 18335-18341		15
173	Improved efficiency and thermal stability of ternary all-small-molecule organic solar cells by NCBA as a third component material. *Nanoscale*, **2018**, 10, 19524-19535	7.7	20
172	Graphitic carbon nitride nanosheets as a multifunctional nanoplatform for photochemical internalization-enhanced photodynamic therapy. **2018**, 6, 7908-7915		22
171	Synergistic Photocatalytic-Photothermal Contribution to Antibacterial Activity in BiOI-Graphene Oxide Nanocomposites.. **2018**, 1, 2141-2152		14
170	Recyclable Visible Light-Driven O-g-CN/Graphene Oxide/N-Carbon Nanotube Membrane for Efficient Removal of Organic Pollutants. **2018**, 10, 42427-42435		43

169	Recent advances in emerging 2D nanomaterials for biosensing and bioimaging applications. **2018**, 21, 164-177		104
168	Synthesis of g-C3N4/ZnO composites with enhanced photocatalytic activity under visible light. **2018**, 56, 220-225		0
167	Nanozyme as Artificial Receptor with Multiple Readouts for Pattern Recognition. **2018**, 90, 11775-11779		66
166	Two-dimensional nanomaterial based sensors for heavy metal ions. **2018**, 185, 478		37
165	In Situ Anchoring of Pyrrhotite on Graphitic Carbon Nitride Nanosheet for Efficient Immobilization of Uranium. **2019**, 25, 590-597		2
164	Carbon-Based, Metal-Free Catalysts for Photocatalysis. **2018**, 457-500		0
163	Carbon nitrides and metal nanoparticles: from controlled synthesis to design principles for improved photocatalysis. **2018**, 47, 7783-7817		167
162	Facile preparation of porous carbon nitride for visible light photocatalytic reduction and oxidation applications. **2018**, 53, 11315-11328		12
161	Visible-light-driven photoelectrochemical determination of Cu2+ based on CdS sensitized hydrogenated TiO2 nanorod arrays. **2018**, 270, 270-276		33
160	Li□bn-Conducting Pillar-Like Graphitic Carbon Nitrides as Novel Anodes for Li□bn Batteries. *ChemistrySelect*, **2018**, 3, 5364-5376	1.8	6
159	One-Pot Synthesis of Boron Carbon Nitride Nanosheets for Facile and Efficient Heavy Metal Ions Removal. **2018**, 6, 11685-11694		44
158	Mechanical Properties and Wear Resistance of Sulfonated Graphene/Waterborne Polyurethane Composites Prepared by In Situ Method. **2018**, 10,		16
157	Electron Transfer of the Metal/Semiconductor System in Photocatalysis. **2018**, 122, 16779-16787		14
156	Adsorption of Lead on Sulfur-Doped Graphitic Carbon Nitride Nanosheets: Experimental and Theoretical Calculation Study. **2018**, 6, 10606-10615		56
155	A novel U(VI)-imprinted graphitic carbon nitride composite for the selective and efficient removal of U(VI) from simulated seawater. **2018**, 5, 2218-2226		21
154	Rapid removal of sulfamethoxazole from simulated water matrix by visible-light responsive iodine and potassium co-doped graphitic carbon nitride photocatalysts. **2018**, 210, 1099-1107		21
153	Lattice Engineering on Metal Cocatalysts for Enhanced Photocatalytic Reduction of CO into CH. **2018**, 11, 3524-3533		36
152	Order engineering on the lattice of intermetallic PdCu co-catalysts for boosting the photocatalytic conversion of CO2 into CH4. **2018**, 6, 17444-17456		27

151	Filling foaming agent into stacked layers: Rapid synthesis of graphitic carbon nitride nanosheets decorated with ultrafined MXY (X = O, S) nanoparticles for enhanced photoresponsive abilities. **2018**, 826, 52-59		3
150	Self-assembly synthesis of boron-doped graphitic carbon nitride hollow tubes for enhanced photocatalytic NOx removal under visible light. **2018**, 239, 352-361		97
149	Synthesis of BaWO4/NRGO-g-C3N4 nanocomposites with excellent multifunctional catalytic performance via microwave approach. **2018**, 12, 247-263		27
148	Carbothermal activation synthesis of 3D porous g-C3N4/carbon nanosheets composite with superior performance for CO2 photoreduction. **2018**, 239, 196-203		92
147	Enhanced Schottky effect of a 2D-2D CoP/g-CN interface for boosting photocatalytic H evolution. *Nanoscale*, **2018**, 10, 12315-12321	7.7	137
146	CeO2/g-C3N4 nanocomposite: A perspective for electrochemical sensing of anti-depressant drug. **2018**, 273, 1226-1236		35
145	A Unique Interactive Nanostructure Knitting based Passive Sampler Adsorbent for Monitoring of Hg in Water. **2019**, 19,		5
144	Enhanced photocatalytic disinfection of Escherichia coli K-12 by porous g-CN nanosheets: Combined effect of photo-generated and intracellular ROSs. **2019**, 235, 1116-1124		20
143	Hierarchical CoNiO2 polyhedral mesoporous nanoparticles: Hydrothermal microwave carbon bath process synthesis and ultrahigh electrochemical activity for detection of Cu(II). **2019**, 320, 134581		7
142	Preparation of oxygen-deficient 2D WO3- nanoplates and their adsorption behaviors for organic pollutants: equilibrium and kinetics modeling. **2019**, 54, 12463-12475		14
141	Efficient photocatalytic hydrogen evolution mediated by defect-rich 1T-PtS2 atomic layer nanosheet modified mesoporous graphitic carbon nitride. **2019**, 7, 18906-18914		24
140	Pd Nanoparticles Immobilized in Layered ZIFs as Efficient Catalysts for Heterogeneous Catalysis. **2019**, 58, 20553-20561		9
139	Host–Guest Recognition on 2D Graphitic Carbon Nitride for Nanosensing. **2019**, 6, 1901429		20
138	Facile Fabrication of Polyaniline Nanocapsule Modified Zinc Oxide Hexagonal Microdiscs for H2S Gas Sensing Applications. **2019**, 58, 1906-1913		32
137	Amperometric detection of glucose based on immobilizing glucose oxidase on g-C3N4 nanosheets. **2019**, 581, 123808		15
136	Advances in constructing polymeric carbon-nitride-based nanocomposites and their applications in energy chemistry. **2019**, 3, 611-655		43
135	Cryo-mediated liquid-phase exfoliated 2D BP coupled with 2D C3N4 to photodegradate organic pollutants and simultaneously generate hydrogen. **2019**, 490, 117-123		13
134	In situ synthesis of g-C3N4/TiO2 with {001} and {101} facets coexposed for water remediation. **2019**, 487, 322-334		16

133	Porous size dependent g-C3N4 for efficient photocatalysts: Regulation synthesizes and physical mechanism. **2019**, 13, 11-21	25
132	Controllable Fabrication of Heterogeneous p-TiO2 QDs@g-C3N4 p-n Junction for Efficient Photocatalysis. **2019**, 9, 439	12
131	Electrochemical Detection of Uric Acid on Exfoliated Nanosheets of Graphitic-Like Carbon Nitride (g-C3N4) Based Sensor. **2019**, 166, B3163-B3170	31
130	ZnO-Reduced Graphene Oxide Composites Sensitized with Graphitic Carbon Nitride Nanosheets for Ethanol Sensing. **2019**, 2, 2734-2742	47
129	Acid Phosphatase Invoked Exquisite Enzyme Cascade for Amplified Colorimetric Bioassay. **2019**, 7, 7572-7579	14
128	Effect of the intra- and inter-triazine N-vacancies on the photocatalytic hydrogen evolution of graphitic carbon nitride. **2019**, 369, 263-271	34
127	Enhanced Visible-Light-Induced Photocatalytic Performance of g-C3N4/ZnS/CuS Ternary Composite for Environmental Remediation. **2019**, 678, 012129	2
126	Facile preparation of Ag/Ag2WO4/g-C3N4 ternary plasmonic photocatalyst and its visible-light photocatalytic activity. **2019**, 33, e4683	8
125	Partial Oxidation of Sn2+ Induced Oxygen Vacancy Overspread on the Surface of SnO2/g-C3N4 Composites for Enhanced LED-Light-Driven Photoactivity. **2019**, 29, 765-775	8
124	Graphitic carbon nitride (g-CN) nanosheets functionalized composite membrane with self-cleaning and antibacterial performance. **2019**, 365, 606-614	112
123	The visible light-driven and self-powered photoelectrochemical biosensor for organophosphate pesticides detection based on nitrogen doped carbon quantum dots for the signal amplification. **2019**, 296, 627-636	29
122	Synergy effects of basic graphitic-C3N4 over acidic Al2O3 for a liquid-phase decarboxylation of naphthenic acids. **2019**, 184, 36-44	10
121	Fe-selective and sensitive "on-off" fluorescence probe based on the graphitic carbon nitride nanosheets. **2019**, 210, 341-347	10
120	Gaseous bubble-assisted in-situ construction of worm-like porous g-C3N4 with superior visible light photocatalytic performance. **2019**, 573, 13-21	17
119	Electrocatalytic methanol oxidation over Cu, Ni and bimetallic Cu-Ni nanoparticles supported on graphitic carbon nitride. **2019**, 244, 272-283	161
118	Bimetallic PtAu Alloy Nanoparticles-Integrated g-CN Hybrid as an Efficient Photocatalyst for Water-to-Hydrogen Conversion. **2019**, 11, 478-488	66
117	Construction of a few-layer g-C3N4/MoO3 nanoneedles all-solid-state Z-scheme photocatalytic system for photocatalytic degradation. **2019**, 29, 65-71	31
116	Porous graphitic carbon nitride nanoplates obtained by a combined exfoliation strategy for enhanced visible light photocatalytic activity. **2020**, 499, 143901	15

115	Defective engineering in graphitic carbon nitride nanosheet for efficient photocatalytic pathogenic bacteria disinfection. **2020**, 261, 118201		79
114	Enhanced visible-light-driven photocatalytic degradation by metal wire-mesh supported Ag/flower-like Bi2WO6 photocatalysts. *Journal of Alloys and Compounds*, **2020**, 813, 152186	5.7	50
113	Determination of a thiol-based ionic liquid using ultrathin graphitic carbon nitride nanosheets as a nanofluoroprobe. **2020**, 207, 120291		2
112	Direct Catalytic Hydroxylation of Benzene to Phenol Catalyzed by FeCl3 Supported on Exfoliated Graphitic Carbon Nitride. **2020**, 150, 301-311		4
111	Nanoconfined Synthesis of Nitrogen-Rich Metal-Free Mesoporous Carbon Nitride Electrocatalyst for the Oxygen Evolution Reaction. **2020**, 3, 1439-1447		14
110	Highly active metal-free peroxidase mimics based on oxygen-doped carbon nitride by promoting electron transfer capacity. **2020**, 56, 1409-1412		13
109	P, K co-doped porous g-C3N4 with enhanced photocatalytic activity synthesized in vapor and self-producing NH3 atmosphere. **2020**, 507, 145086		16
108	Tuning layered Fe-doped g-C3N4 structure through pyrolysis for enhanced Fenton and photo-Fenton activities. **2020**, 159, 461-470		58
107	Improved visible light photocatalytic activity on Z-scheme g-C3N4 decorated TiO2 nanotube arrays by a simple impregnation method. **2020**, 124, 110757		28
106	Alginate modified graphitic carbon nitride composite hydrogels for efficient removal of Pb(II), Ni(II) and Cu(II) from water. **2020**, 148, 1298-1306		23
105	Metal-free synthesis of dimethyl carbonate via transesterification of ethylene carbonate catalyzed by graphitic carbon nitride materials. **2020**, 44, 3215-3223		7
104	One step synthesis of efficient photocatalysts by TCAP doped g-C3N4 for enhanced visible-light photocatalytic activity. **2020**, 44, 1127-1137		7
103	Fabrication and Photodegradation Application of Isopropanol-Functionalized Poly (Triazine Imide). **2020**, 49, 1518-1526		2
102	Three-dimension branched crystalline carbon nitride: A high efficiency photoelectrochemical sensor of trace Cu2+ detection. **2020**, 330, 135336		15
101	A microfluidic reactor application for the continuous-flow photocatalytic selective synthesis of aromatic aldehydes. **2020**, 608, 117844		4
100	Graphene/graphitic carbon nitride-based ternary nanohybrids: Synthesis methods, properties, and applications for photocatalytic hydrogen production. **2020**, 24, 100200		38
99	Regulating the Fluorescence Emission of CdSe Quantum Dots Based on the Surface Ligand Exchange with MAA. **2020**, 31, 2667-2675		2
98	P- and F-co-doped Carbon Nitride Nanocatalysts for Photocatalytic CO Reduction and Thermocatalytic Furanics Synthesis from Sugars. **2020**, 13, 5231-5238		29

97	Structure couture and appraisal of catalytic activity of carbon nitride (g-C3N4) based materials towards sustainability. **2020**, 3, 100039		12
96	Fabrication of effective visible-light-driven ternary Z-scheme ZnO-Ag-BiVO4 heterostructured photocatalyst for hexavalent chromium reduction. **2020**, 252, 117446		29
95	Alkali Hydrothermal Treatment to Synthesize Hydroxyl Modified g-C3N4 with Outstanding Photocatalytic Phenolic Compounds Oxidation Ability. **2020**, 15, 2050083		1
94	A triple-channel sensing array for protein discrimination based on multi-photoresponsive g-CN. **2020**, 187, 449		3
93	Efficient separation of photoexcited carriers in a g-CN-decorated WO nanowire array heterojunction as the cathode of a rechargeable Li-O battery. *Nanoscale*, **2020**, 12, 18742-18749	7.7	10
92	2D g-C3N4 for advancement of photo-generated carrier dynamics: Status and challenges. **2020**, 41, 270-303		87
91	Recent advances in two-dimensional layered materials for photoelectrochemical sensing. **2020**, 133, 116089		24
90	Recent Progress, Challenges, and Prospects in Two-Dimensional Photo-Catalyst Materials and Environmental Remediation. **2020**, 12, 167		35
89	Gas-sculpted g-C3N4 for efficient photocatalytic reduction of U(VI). **2020**, 326, 1805-1817		2
88	Graphitic carbon nitride with thermally-induced nitrogen defects: an efficient process to enhance photocatalytic H production performance.. **2020**, 10, 18632-18638		8
87	Adsorption-enhanced nitrogen-doped mesoporous CeO2 as an efficient visible-light-driven catalyst for CO2 photoreduction. **2020**, 39, 101176		22
86	Polymeric carbon nitrides and related metal-free materials for energy and environmental applications. **2020**, 8, 11075-11116		82
85	Selective Adsorption and Photocatalytic Degradation of Extracellular Antibiotic Resistance Genes by Molecularly-Imprinted Graphitic Carbon Nitride. **2020**, 54, 4621-4630		33
84	Hydrothermal synthesis of 3D/2D heterojunctions of ZnIn2S4/oxygen doped g-C3N4 nanosheet for visible light driven photocatalysis of 2,4-dichlorophenoxyacetic acid degradation. *Journal of Alloys and Compounds*, **2020**, 845, 156206	5.7	14
83	Defect Engineering in Atomic-Layered Graphitic Carbon Nitride for Greatly Extended Visible-Light Photocatalytic Hydrogen Evolution. **2020**, 12, 13805-13812		62
82	Sugar-assisted mechanochemical exfoliation of graphitic carbon nitride for enhanced visible-light photocatalytic performance. *International Journal of Hydrogen Energy*, **2020**, 45, 8444-8455	6.7	5
81	Synthesis of ZnO/rGO nanocomposites by wet impregnation method for photocatalytic performance against RhB dye and 4-chlorophenol under UV light irradiation. **2020**, 31, 3361-3374		13
80	Neat 3D C3N4 monolithic aerogels embedded with carbon aerogels via ring-opening polymerization with high photoreactivity. **2020**, 266, 118652		8

79	g-C3N4/Co Nanohybrids for Ultra-sensitive Simultaneous Detection of Uric Acid and Dopamine. **2020**, 7, 1373-1377		13
78	The effect of hydroxyl group grafting on the photocatalytic phenolic compounds oxidation ability of g-C3N4 prepared by a novel H2O2-alkali hydrothermal method. **2020**, 513, 145783		10
77	Graphitic Carbon Nitride–Nickel Catalyst: From Material Characterization to Efficient Ethanol Electrooxidation. **2020**, 8, 7244-7255		20
76	Activation of graphitic carbon nitride by solvent-mediated supramolecular assembly for enhanced hydrogen evolution. **2020**, 525, 146444		13
75	Novel broad-spectrum-driven oxygen-linked band and porous defect co-modified orange carbon nitride for photodegradation of Bisphenol A and 2-Mercaptobenzothiazole. **2020**, 396, 122659		11
74	Engineering graphitic carbon nitride with expanded interlayer distance for boosting photocatalytic hydrogen evolution. **2021**, 42, 217-224		12
73	High surface area Nanoflakes of P-gC3N4 photocatalyst loaded with Ag nanoparticle with intraplanar and interplanar charge separation for environmental remediation. **2021**, 408, 113098		1
72	A review of the current status of graphitic carbon nitride. **2021**, 46, 189-217		66
71	Palladium nanoparticles supported on exfoliated g-C3N4 as efficient catalysts for selective oxidation of benzyl alcohol by molecular oxygen. **2021**, 45, 13519-13528		3
70	A visible light active, carbon-nitrogen-sulfur co-doped TiO/g-CN Z-scheme heterojunction as an effective photocatalyst to remove dye pollutants.. **2021**, 11, 16747-16754		3
69	Graphitic carbon nitride-based metal-free photocatalyst. **2021**, 449-484		0
68	Bimetallic nanocatalysts supported on graphitic carbon nitride for sustainable energy development: the shape-structure–activity relation. **2021**, 3, 1342-1351		6
67	Rich –NH2 Mesoporous g-C3N4 Nanosheets Efficient for Cycloaddition of CO2 to Epoxides without Solvent and Co-Catalyst. *ChemistrySelect*, **2021**, 6, 3712-3721	1.8	1
66	Graphitic Carbon Nitride Causes Widespread Global Molecular Changes in Epithelial and Fibroblast Cells. **2021**, 6, 9368-9380		
65	Single-atom nanozyme enabled fast and highly sensitive colorimetric detection of Cr(VI). **2021**, 408, 124898		23
64	Detection and identification of p-nitrophenol based on g-C3N4 nanosheets by photoinduced electron transfer. **2021**, 28, 1		1
63	Graphite Carbon Nitride and Its Composites for Medicine and Health Applications. **2021**, 16, 2003-2013		4
62	2D Graphitic Carbon Nitride for Energy Conversion and Storage. **2021**, 31, 2102540		42

61	Biomedical application of graphitic carbon nitrides: tissue deposition, induction of reactive oxygen species (ROS) and cell viability in tumor cells. **2021**, 32,		2
60	Atomic-Scale Tailoring and Molecular-Level Tracking of Oxygen-Containing Tungsten Single-Atom Catalysts with Enhanced Singlet Oxygen Generation. **2021**, 13, 37142-37151		0
59	Novel B-N-Co surface bonding states constructed on hollow tubular boron doped g-CN/CoP for enhanced photocatalytic H evolution. **2021**, 595, 69-77		7
58	Sensitive and high-throughput protein analysis based on CdS@g-C3N4 heterojunction-modified spatial-resolved rotatable electrode array. **2021**, 895, 115468		3
57	Enhanced photocatalytic activity of ZnO/g-C3N4 nanofibers constituting carbonaceous species under simulated sunlight for organic dye removal. **2021**, 47, 26185-26196		11
56	Efficient ultra-trace electrochemical detection of Cd2+, Pb2+ and Hg2+ based on hierarchical porous S-doped C3N4 tube bundles/graphene nanosheets composite. **2021**, 420, 130317		13
55	Evaluation of a composite nanomaterial consist of gold nanoparticles and graphene-carbon nitride as capillary electrochromatography stationary phase for enantioseparation. **2021**, 169, 106613		3
54	Applications of two-dimensional layered nanomaterials in photoelectrochemical sensors: A comprehensive review. *Coordination Chemistry Reviews*, **2021**, 447, 214156	23.2	19
53	Ultrafast recovery of aqueous uranium: Photocatalytic U(VI) reduction over CdS/g-C3N4. **2021**, 425, 131552		10
52	Fabrication of ultra-thin g-C3N4 nanoplates for efficient visible-light photocatalytic H2O2 production via two-electron oxygen reduction. **2021**, 425, 130615		21
51	Carbon ring and molecular scaffold co-doped g-C3N4 heterostructural nanosheets for highly efficient hydrogen evolution. **2021**, 144, 111482		0
50	High-loading single-atom tungsten anchored on graphitic carbon nitride (melon) for efficient oxidation of emerging contaminants. **2022**, 427, 131973		3
49	Recent advances in graphitic carbon nitride semiconductor: Structure, synthesis and applications. **2022**, 137, 106181		13
48	Graphitic Carbon Nitride (g-C3N4)/Al2O3 Heterostructure as Double Dielectric: A Comparative Study in MIS Based on a-IGZO. **2021**, 9, 618-622		1
47	Metal-free porous phosphorus-doped g-CN photocatalyst achieving efficient synthesis of benzoin.. **2021**, 11, 12682-12686		1
46	Ultrathin 2D Photocatalysts: Electronic-Structure Tailoring, Hybridization, and Applications. **2018**, 30, 1704548		298
45	Molten salt synthesis of tetragonal carbon nitride hollow tubes and their application for removal of pollutants from wastewater. **2018**, 225, 307-313		97
44	Metal-free catalytic conversion of CO2 into cyclic carbonate by hydroxyl-functionalized graphitic carbon nitride materials. **2020**, 491, 110979		6

43	Graphitic carbon nitride photocatalysis: the hydroperoxyl radical role revealed by kinetic modelling. *Catalysis Science and Technology*,	5.5	2
42	g-C3N4/CoNiFe-LDH Z-scheme heterojunction for efficient CO2 photoreduction and MB dye photodegradation. *Catalysis Science and Technology*, **2021**, 11, 7727-7739	5.5	3
41	Organic semiconductor nanostructures: Optoelectronic properties, Modification strategy, and Photocatalytic Applications. **2021**,		1
40	Preparation of Biosensor Based on Supermolecular Recognization. **2019**, 1-21		
39	Photocatalysts based on polymeric carbon nitride for solar-to-fuel conversion. **2020**, 31, 475-507		0
38	Preparation of Biosensor Based on Supermolecular Recognization. **2020**, 231-251		
37	Research of the multifunctional rGO/MoS2 material in the sensing field: Human breathing and Hg(II) pollution detection. **2022**, 138, 106268		1
36	Interfacial optimization of CeO2 nanoparticles loaded two-dimensional graphite carbon nitride toward synergistic enhancement of visible-light-driven photoelectric and photocatalytic hydrogen evolution. *International Journal of Hydrogen Energy*, **2021**, 47, 2313-2313	6.7	0
35	Ultrathin structure of oxygen doped carbon nitride for efficient CO2 photocatalytic reduction. **2021** ,		1
34	Polytriazine imide-LiCl semiconductor for highly efficient photooxidation of benzyl alcohol to benzaldehyde. **2021**, 133, 1		
33	A critical review on graphitic carbon nitride (g-C3N4)-based materials: Preparation, modification and environmental application. *Coordination Chemistry Reviews*, **2022**, 453, 214338	23.2	35
32	Facile synthesis of mesoporous polymeric carbon nitride nanosheets anchored by Pt with ultralow loading for high-efficiency photocatalytic H evolution. **2021**,		
31	One-Pot Thermal Synthesis of g-CN/ZnO Composites for the Degradation of 5-Fluoruracil Cytostatic Drug under UV-LED Irradiation.. *Nanomaterials*, **2022**, 12,	5.4	2
30	Preparation of graphitic carbon nitride g-C3N4-HMCM-22 composite catalysts and enhanced para-selectivity in m-xylene isomerization. *Chemical Papers*, **2022**, 76, 1875	1.9	
29	Stripping voltammetric determination of cadmium and lead ions based on a bismuth oxide surface-decorated nanoporous bismuth electrode. *Electrochemistry Communications*, **2022**, 136, 107233	5.1	4
28	Hydrothermal construction of WO3.0.33H2O/g-C3N4 nanocomposites with enhanced adsorption and photocatalytic activity. *CrystEngComm*,	3.3	0
27	Composition and Materials Chemistry. *Nanostructure Science and Technology*, **2022**, 31-63	0.9	
26	AQ-coupled few-layered g-C3N4 nanoplates obtained by one-step mechanochemical treatment for efficient visible-light photocatalytic H2O2 production. *International Journal of Hydrogen Energy*, **2022**,	6.7	1

25	Solvent Etching Process for Graphitic Carbon Nitride Photocatalysts Containing Platinum Cocatalyst: Effects of Water Hydrolysis on Photocatalytic Properties and Hydrogen Evolution Behaviors.. *Nanomaterials*, **2022**, 12,	5.4	0
24	Metal-free carboxyl modified g-C3N4 for enhancing photocatalytic degradation activity of organic pollutants through peroxymonosulfate activation in wastewater under solar radiation. *Journal of Solid State Chemistry*, **2022**, 310, 123053	3.3	0
23	White light emission and superior photoelctrochemical response from semi-metallic graphitic carbon nitride analogue: g-C4N3. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2022**, 280, 115663	3.1	0
22	Hydrogen production via water splitting over graphitic carbon nitride (g-C3N4)-based photocatalysis. *ChemistrySelect*, **2021**,	1.8	1
21	Photoreduction of CO to CH over Efficient Z-Scheme -FeO/g-CN Composites.. *Journal of Analytical Methods in Chemistry*, **2022**, 2022, 1358437	2	0
20	Efficient degradation of emerging organic pollutant by cerium phosphate/g-C3N4/Vis/PMS system: Catalytic kinetics and toxicity evaluation. *Diamond and Related Materials*, **2022**, 126, 109067	3.5	
19	Functional graphitic carbon (IV) nitride: A versatile sensing material. *Coordination Chemistry Reviews* , **2022**, 466, 214611	23.2	4
18	Synergy of nitrogen vacancies and partially broken hydrogen bonds in graphitic carbon nitride for superior photocatalytic hydrogen evolution under visible light. *Catalysis Science and Technology*,	5.5	1
17	Reduced graphene oxide-assisted graphitic carbon nitride@ZnO rods for enhanced physical and photocatalytic degradation. *Inorganic Chemistry Communication*, **2022**, 142, 109623	3.1	1
16	Interfacial optimization of Oxygen-Vacancy-Induced 1D/2D CeO2 Nanotubes/g-C3N4 Step-Scheme Heterojunction with Enhanced Visible-Light Photocatalysis and Mechanism Insight. *Journal of Alloys and Compounds*, **2022**, 166330	5.7	1
15	Photoelectrochemical sensor based on Au/ZnS/ZnO nanomaterials for selective detection of copper ions. **2022**, 204, 111378		0
14	A review on recent advances in selective and sensitive detection of heavy toxic metal ions in water using g-C3N4-based heterostructured composites. **2022**, 6, 2610-2650		0
13	Self-assembly of colloidal single-layer carbon nitride. **2022**, 14, 12347-12357		0
12	Synthesis of TiO2/g-C3N4 Photocatalyst with Recovered TiO2 from Spent SCR Catalyst for Photodegrading Rhodamine B.		0
11	Investigation on the role of graphene-based composites for in photocatalytic degradation of phenol-based compounds in wastewater: a review.		1
10	An overview of the current progress of graphitic carbon nitride and its multifunctional applications. **2022**, 10, 108745		0
9	Nanoconfined catalytic membranes assembled by cobalt-functionalized graphitic carbon nitride nanosheets for rapid degradation of pollutants. **2023**, 322, 122098		0
8	One-Pot Synthesized Multifunctional Carbon Nitride Dots for Fluorescent Sensing, Bioimaging, and Selective Cytotoxic Effect on Cancer Cells. **2022**, 120809		0

7	Facile construction of a fascinating dual Z-scheme Bi2S3/tg-C3N4/Ag2WO4 photocatalyst for effective removal of organic pollutants: Influence factors, mechanism insight and degradation pathway. **2023**, 51, 103373	0
6	Designing ultrathin Ag-embedded g-C3N4 nanocomposites for enhanced disinfection performance under visible light. **2023**, 1276, 134810	0
5	Confined self-assembly of S, O co-doped GCN short nanotubes/EG composite towards HMIs electrochemical detection and removal. **2023**, 452, 131345	0
4	Bio-inspired functional photocatalyst: Lipase enzyme functionalized TiO2 with excellent photocatalytic, enzymatic, and antimicrobial performance. **2023**, 438, 114565	0
3	Promising Materials for Photocatalysis-Self-Fenton System: Properties, Modifications, and Applications. 2200371	0
2	Highly Sensitive and Selective Nonenzymatic Sensing of Glyphosate Using FTO-Modified MOF-Derived CuCo2O4 Nanostructures Intercalated in Protonated-g-C3N4 and 3D-Graphene Oxide Sheets. **2023**, 62, 3477-3491	0
1	Room-Temperature NH3 Sensors Based on Polyaniline-Assembled Graphitic Carbon Nitride Nanosheets. **2023**, 6, 5145-5154	0