

# Unraveling fundamental active units in carbon nitride f reactions

Nature Communications

12, 320

DOI: [10.1038/s41467-020-20521-5](https://doi.org/10.1038/s41467-020-20521-5)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Integration of redox cocatalysts for artificial photosynthesis. <i>Energy and Environmental Science</i> , 2021, 14, 5260-5288.	15.6	105
2	Metal-doped carbon nitrides: synthesis, structure and applications. <i>New Journal of Chemistry</i> , 2021, 45, 11876-11892.	1.4	33
3	Ultrafast anisotropic exciton dynamics in a water-soluble ionic carbon nitride photocatalyst. <i>Chemical Communications</i> , 2021, 57, 10739-10742.	2.2	1
4	Graphitic C <sub>2</sub> N <sub>3</sub> : An Allotrope of <i>g</i> -C <sub>3</sub> N <sub>4</sub> Containing Active Azide Pentagons as Metal-Free Photocatalyst for Abundant H <sub>2</sub> Bubble Evolution. <i>ACS Nano</i> , 2021, 15, 7208-7215.	7.3	60
5	Carbon Nitride-Based Photoanode with Enhanced Photostability and Water Oxidation Kinetics. <i>Advanced Functional Materials</i> , 2021, 31, 2101724.	7.8	29
6	Harnessing the Potential of Graphitic Carbon Nitride for Optoelectronic Applications. <i>Advanced Optical Materials</i> , 2021, 9, 2100146.	3.6	22
7	Foamer-Derived Bulk Nitrogen Defects and Oxygen-Doped Porous Carbon Nitride with Greatly Extended Visible-Light Response and Efficient Photocatalytic Activity. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 23866-23876.	4.0	25
8	Clean light oriented ultrafast Pt/Bi <sub>2</sub> S <sub>3</sub> nanoflakes for the photocatalytic destruction of gemifloxacin mesylate drug and methylene blue. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 414, 113288.	2.0	25
9	Enhanced peroxymonosulfate decomposition into OH and 1O <sub>2</sub> for sulfamethoxazole degradation over Se doped g-C <sub>3</sub> N <sub>4</sub> due to induced exfoliation and N vacancies formation. <i>Separation and Purification Technology</i> , 2021, 267, 118664.	3.9	24
10	Visible-light-driven ZnO/ZnS/MnO <sub>2</sub> ternary nanocomposite catalyst: synthesis, characterization and photocatalytic degradation of methylene blue. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2361-2370.	1.6	35
11	A Tourâ€•Guide through Carbon Nitrideâ€•Land: Structureâ€•and Dimensionalityâ€•Dependent Properties for Photo(Electro)Chemical Energy Conversion and Storage. <i>Advanced Energy Materials</i> , 2022, 12, 2101078.	10.2	81
12	First-principles study of S-doped point defects with different charge states in monolayer g-C <sub>3</sub> N <sub>4</sub> . <i>Applied Surface Science</i> , 2021, 554, 149601.	3.1	19
13	Enhanced Hydroxylation of Benzene to Phenol with Hydrogen Peroxide over g-C <sub>3</sub> N <sub>4</sub> Quantum Dots-Modified Fe-SBA-15 Catalysts: Synergistic Effect Among Fe Species, g-C <sub>3</sub> N <sub>4</sub> QDs, and Porous Structure. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 13876-13885.	1.8	7
14	PtSe <sub>2</sub> /Pt Heterointerface with Reduced Coordination for Boosted Hydrogen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23388-23393.	7.2	153
15	Visible light triggered exfoliation of COF micro/nanomotors for efficient photocatalysis. <i>Green Energy and Environment</i> , 2023, 8, 567-578.	4.7	23
16	PtSe <sub>2</sub> /Pt Heterointerface with Reduced Coordination for Boosted Hydrogen Evolution Reaction. <i>Angewandte Chemie</i> , 2021, 133, 23576-23581.	1.6	33
17	Single-Atom Fe-N <sub>4</sub> sites promote the triplet-energy transfer process of g-C <sub>3</sub> N <sub>4</sub> for the photooxidation. <i>Journal of Catalysis</i> , 2021, 404, 89-95.	3.1	26
18	Origin of sonocatalytic activity of fluorescent carbon dots. <i>Carbon</i> , 2021, 184, 102-108.	5.4	16

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19	Stabilizing plasma-induced highly nitrogen-deficient g-C <sub>3</sub> N <sub>4</sub> by heteroatom-refilling for excellent lithium-ion battery anodes. <i>Chemical Engineering Journal</i> , 2022, 427, 131032.	6.6	38
20	Fabrication of 0D/2D TiO <sub>2</sub> Nanodots/g-C <sub>3</sub> N <sub>4</sub> S-scheme heterojunction photocatalyst for efficient photocatalytic overall water splitting. <i>Applied Surface Science</i> , 2022, 571, 151287.	3.1	69
21	A review on bismuth oxyhalide based materials for photocatalysis. <i>Nanoscale Advances</i> , 2021, 3, 3353-3372.	2.2	82
22	Synergistic Modulation of the Separation of Photo-generated Carriers via Engineering of Dual Atomic Sites for Promoting Photocatalytic Performance. <i>Advanced Materials</i> , 2021, 33, e2105904.	11.1	117
23	TPPH/g-C <sub>3</sub> N <sub>4</sub> Nanohybrids Constructed with Surfactant-Assisted Co-Assembly for Photocatalytic Hydrogen Generation. <i>Nano</i> , 2021, 16, .	0.5	0
24	Facile Preparation of Carbon Nitride-ZnO Hybrid Adsorbent for CO <sub>2</sub> Capture: The Significant Role of Amine Source to Metal Oxide Ratio. <i>Catalysts</i> , 2021, 11, 1253.	1.6	3
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27	Highly efficient activation of peroxymonosulfate by MOF-derived CoP/CoOx heterostructured nanoparticles for the degradation of tetracycline. <i>Chemical Engineering Journal</i> , 2022, 430, 132816.	6.6	21
28	Nitrogen defects/boron dopants engineered tubular carbon nitride for efficient tetracycline hydrochloride photodegradation and hydrogen evolution. <i>Applied Catalysis B: Environmental</i> , 2022, 303, 120932.	10.8	127
29	A nano heterostructure with step-accelerated system toward optimized photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2021, 47, 1656-1656.	3.8	4
30	Nanostructure Engineering via Intramolecular Construction of Carbon Nitride as Efficient Photocatalyst for CO <sub>2</sub> Reduction. <i>Nanomaterials</i> , 2021, 11, 3245.	1.9	30
31	CuBi <sub>2</sub> O <sub>4</sub> /BiOBr composites promoted PMS activation for the degradation of tetracycline: S-scheme mechanism boosted Cu <sup>2+</sup> /Cu <sup>+</sup> cycle. <i>Chemical Engineering Journal</i> , 2022, 431, 134054.	6.6	117
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33	Charge Trapping in Terminal States in Polymeric Carbon Nitride for Photocatalytic Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2022, 126, 2430-2436.	1.5	5
34	Sulphur vacancies-VS <sub>2</sub> @C <sub>3</sub> N <sub>4</sub> driven by in situ supramolecular self-assembly for synergistic photocatalytic degradation of real wastewater and H <sub>2</sub> production: Vacancies taming interfacial compact heterojunction and carriers transfer. <i>Chemical Engineering Journal</i> , 2022, 433, 134505.	6.6	45
35	Steered polymorphic nanodomains in TiO <sub>2</sub> to boost visible-light photocatalytic oxidation. <i>RSC Advances</i> , 2022, 12, 9660-9670.	1.7	1
36	The influence of synthesis conditions on the visible-light triggered photocatalytic activity of g-C <sub>3</sub> N <sub>4</sub> /TiO <sub>2</sub> composites used in AOPs. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107656.	3.3	15

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37	Linker functionalized poly(heptazine imide) as charge channel and activation site for enhancing photocatalytic nitrogen fixation in pure water. <i>Applied Catalysis B: Environmental</i> , 2022, 311, 121370.	10.8	33
38	N-doped carbon dots decorated 3D g-C <sub>3</sub> N <sub>4</sub> for visible-light driven peroxydisulfate activation: Insights of non-radical route induced by Na <sup>+</sup> doping. <i>Applied Catalysis B: Environmental</i> , 2022, 310, 121304.	10.8	53
39	Atomically Dispersed Cu Nanozyme with Intensive Ascorbate Peroxidase Mimic Activity Capable of Alleviating ROS-Mediated Oxidation Damage. <i>Advanced Science</i> , 2022, 9, e2103977.	5.6	38
40	Tailoring g-C <sub>3</sub> N <sub>4</sub> with Lanthanum and Cobalt Oxides for Enhanced Photoelectrochemical and Photocatalytic Activity. <i>Catalysts</i> , 2022, 12, 15.	1.6	9
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44	In situ Growth of Graphitic Carbon Nitride on Multiwalled Carbon Nanotubes for Interfacial Thermal Management. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, , 129232.	2.3	1
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46	Shearing bridge bonds in carbon nitride vesicles with enhanced hot carrier utilization for photocatalytic hydrogen production. <i>Catalysis Science and Technology</i> , 2022, 12, 4193-4200.	2.1	24
47	Coordination Chemistry Engineered Polymeric Carbon Nitride Photoanode with Ultralow Onset Potential for Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	16
48	Coordination Chemistry Engineered Polymeric Carbon Nitride Photoanode with Ultralow Onset Potential for Water Splitting. <i>Angewandte Chemie</i> , 0, , .	1.6	2
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54	Elucidating Orbital Delocalization Effects on Boosting Electrochemiluminescence Efficiency of Carbon Nitrides. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	24

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55	In Situ Monitoring Charge Transfer on Topotactic Epitaxial Heterointerface for Tetracycline Degradation at the Single-Particle Level. ACS Catalysis, 2022, 12, 9114-9124.	5.5	17
56	Donor-acceptor anchoring nanoarchitectonics in polymeric carbon nitride for rapid charge transfer and enhanced visible-light photocatalytic hydrogen evolution reaction. Carbon, 2022, 197, 378-388.	5.4	11
57	Graphitic carbon nitride colloid as one photoinitiator for two-step polymerization. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 650, 129615.	2.3	7
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75	Bottom-to-Up synthesis of functional carbon nitride polymer: Design principles, controlled synthesis and applications. <i>European Polymer Journal</i> , 2023, 182, 111734.	2.6	7
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77	Multifunctional semiconducting carbon nitrides enabling sequential fluorescent sensing of telomerase activity and internal self-checking. <i>Sensors and Actuators B: Chemical</i> , 2023, 378, 133170.	4.0	2
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81	Excited-state nonadiabatic dynamics simulations on the heptazine and adenine in a water environment: A mini review. <i>Journal of the Chinese Chemical Society</i> , 2023, 70, 195-208.	0.8	1
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83	Codoping g-C <sub>3</sub> N <sub>4</sub> with boron and graphene quantum dots: Enhancement of charge transfer for ultrasensitive and selective photoelectrochemical detection of dopamine. <i>Biosensors and Bioelectronics</i> , 2023, 224, 115050.	5.3	15
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94	Simultaneous polarization engineering and selectivity regulation achieved using polymeric carbon nitride for promoting NO <sub>x</sub> photo-oxidation. Applied Catalysis B: Environmental, 2023, 330, 122582.	10.8	5
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103	Nanostructured Carbon Nitride for Continuous-Flow Trifluoromethylation of (Hetero)arenes. ACS Sustainable Chemistry and Engineering, 2023, 11, 5284-5292.	3.2	4
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