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Improved Photocatalytic H Evolution over G-Carbon Nitride with Enhanced In-Plane Ordering

DOI: 10.1002/sml.201602136
Small, 2016, 12, 6160-6166.

Source: <https://exaly.com/paper-pdf/64264784/citation-report.pdf>

Version: 2024-04-28

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|----|---|------|-----------|
| 45 | Earth-abundant WC nanoparticles as an active noble-metal-free co-catalyst for the highly boosted photocatalytic H ₂ production over g-C ₃ N ₄ nanosheets under visible light. <i>Catalysis Science and Technology</i> , 2017 , 7, 1193-1202 | 5.5 | 92 |
| 44 | A Review of Direct Z-Scheme Photocatalysts. <i>Small Methods</i> , 2017 , 1, 1700080 | 12.8 | 663 |
| 43 | Highly crystalline poly(heptazine imides) by mechanochemical synthesis for photooxidation of various organic substrates using an intriguing electron acceptor [Elemental sulfur]. <i>Journal of Catalysis</i> , 2017 , 350, 203-211 | 7.3 | 46 |
| 42 | Highly efficient visible light induced photocatalytic activity of a novel in situ synthesized conjugated microporous poly(benzothiadiazole)C ₃ N ₄ composite. <i>Catalysis Science and Technology</i> , 2017 , 7, 418-426 | 5.5 | 24 |
| 41 | One-pot Synthesis of CdS Irregular Nanospheres Hybridized with Oxygen-Incorporated Defect-Rich MoS Ultrathin Nanosheets for Efficient Photocatalytic Hydrogen Evolution. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 23635-23646 | 9.5 | 151 |
| 40 | Defective graphitic carbon nitride synthesized by controllable co-polymerization with enhanced visible light photocatalytic hydrogen evolution. <i>Catalysis Science and Technology</i> , 2017 , 7, 452-458 | 5.5 | 64 |
| 39 | Greatly enhanced photocatalytic activity by organic flexible piezoelectric PVDF induced spatial electric field. <i>Catalysis Science and Technology</i> , 2017 , 7, 5594-5601 | 5.5 | 26 |
| 38 | g-CN/TiO Mesocrystals Composite for H Evolution under Visible-Light Irradiation and Its Charge Carrier Dynamics. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 34844-34854 | 9.5 | 122 |
| 37 | Preparation of Carbon-Rich g-C N Nanosheets with Enhanced Visible Light Utilization for Efficient Photocatalytic Hydrogen Production. <i>Small</i> , 2017 , 13, 1701552 | 11 | 105 |
| 36 | Porous graphitic carbon nitride nanosheets by pre-polymerization for enhanced photocatalysis. <i>Materials Characterization</i> , 2018 , 139, 89-99 | 3.9 | 46 |
| 35 | Unprecedented Centimeter-Long Carbon Nitride Needles: Synthesis, Characterization and Applications. <i>Small</i> , 2018 , 14, e1800633 | 11 | 53 |
| 34 | Oxygen self-doped g-CN with tunable electronic band structure for unprecedentedly enhanced photocatalytic performance. <i>Nanoscale</i> , 2018 , 10, 4515-4522 | 7.7 | 168 |
| 33 | Hydrothermally Induced Oxygen Doping of Graphitic Carbon Nitride with a Highly Ordered Architecture and Enhanced Photocatalytic Activity. <i>ChemSusChem</i> , 2018 , 11, 700-708 | 8.3 | 73 |
| 32 | Facile One-Pot Two-Step Synthesis of Novel in Situ Selenium-Doped Carbon Nitride Nanosheet Photocatalysts for Highly Enhanced Solar Fuel Production from CO ₂ . <i>ACS Applied Nano Materials</i> , 2018 , 1, 47-54 | 5.6 | 45 |
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| 30 | Significantly enhanced photocatalytic hydrogen generation over graphitic carbon nitride with carefully modified intralayer structures. <i>Chemical Engineering Journal</i> , 2018 , 332, 499-507 | 14.7 | 32 |
| 29 | A sustainable method toward melamine-based conjugated polymer semiconductors for efficient photocatalytic hydrogen production under visible light. <i>Green Chemistry</i> , 2018 , 20, 664-670 | 10 | 56 |

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| 28 | Bioinspired Mesoporous Chiral Nematic Graphitic Carbon Nitride Photocatalysts modulated by Polarized Light. <i>ChemSusChem</i> , 2018 , 11, 114-119 | 8.3 | 24 |
| 27 | Engineering of Z-scheme 2D/3D architectures with Ni(OH) ₂ on 3D porous g-C ₃ N ₄ for efficiently photocatalytic H ₂ evolution. <i>Applied Catalysis B: Environmental</i> , 2019 , 258, 117997 | 21.8 | 104 |
| 26 | Strong organic acid-assistant synthesis of holey graphitic carbon nitride for efficient visible light photocatalytic H ₂ generation. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 23091-23100 | 6.7 | 13 |
| 25 | Polymeric structure optimization of g-CN by using confined argon-assisted highly-ionized ammonia plasma for improved photocatalytic activity. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 214-223 | 9.3 | 9 |
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| 15 | Recent Progress on Exploring Stable Metal-Organic Frameworks for Photocatalytic Solar Fuel Production. <i>Solar Rrl</i> , 2020 , 4, 1900547 | 7.1 | 32 |
| 14 | MOFs-derived Cu ₃ P@CoP p-n heterojunction for enhanced photocatalytic hydrogen evolution. <i>Chemical Engineering Journal</i> , 2020 , 395, 125113 | 14.7 | 71 |
| 13 | Design of p-n homojunctions in metal-free carbon nitride photocatalyst for overall water splitting. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 501-509 | 11.3 | 28 |
| 12 | Recent advances of melamine self-assembled graphitic carbon nitride-based materials: Design, synthesis and application in energy and environment. <i>Chemical Engineering Journal</i> , 2021 , 405, 126951 | 14.7 | 60 |
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| 10 | One-pot synthesis of porous g-C3N4 nanosheets with enhanced photocatalytic activity under visible light. <i>Diamond and Related Materials</i> , 2021 , 116, 108416 | 3.5 | 2 |
| 9 | In situ ion exchange synthesis of MoS2/g-C3N4 heterojunctions for highly efficient hydrogen production. <i>New Journal of Chemistry</i> , 2018 , 42, 910-917 | 3.6 | 33 |
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| 7 | Dual Optimization Approach to Mo Single Atom Dispersed g-C3N4 Photocatalyst: Morphology and Defect Evolution. <i>Applied Catalysis B: Environmental</i> , 2021 , 303, 120904 | 21.8 | 38 |
| 6 | MoS2/CdS rod-like nanocomposites as high-performance visible light photocatalyst for water splitting photocatalytic hydrogen production. <i>International Journal of Hydrogen Energy</i> , 2022 , 47, 8247-8260 | 6.7 | 3 |
| 5 | Unveiling the charge transfer behavior within ZSM-5 and carbon nitride composites for enhanced photocatalytic degradation of methylene blue.. <i>RSC Advances</i> , 2022 , 12, 5665-5676 | 3.7 | 3 |
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| 3 | Growth and Characterization of Melem Hydrate Crystals with Hydrogen-Bonded Heptazine Framework. <i>Physical Chemistry Chemical Physics</i> , | 3.6 | 1 |
| 2 | Metal-free phosphorus and boron doped graphitic carbon nitride/zeolite hetero-linked particles for highly efficient green hydrogen production in methanol. | | 0 |
| 1 | Metal-free phosphorus and boron-doped graphitic carbon nitride/zeolite hetero-linked particles for highly efficient green hydrogen production in methanol. | | 1 |