

Lihua Lin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

41
papers

7,267
citations

34
h-index

43
g-index

43
ext. papers

8,542
ext. citations

11.4
avg, IF

6.57
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 41 | Graphitic Carbon Nitride Polymers toward Sustainable Photoredox Catalysis. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 12868-84 | 16.4 | 1014 |
| 40 | Overall water splitting by Pt/g-CN photocatalysts without using sacrificial agents. <i>Chemical Science</i> , 2016 , 7, 3062-3066 | 9.4 | 689 |
| 39 | Tri-s-triazine-Based Crystalline Graphitic Carbon Nitrides for Highly Efficient Hydrogen Evolution Photocatalysis. <i>ACS Catalysis</i> , 2016 , 6, 3921-3931 | 13.1 | 531 |
| 38 | Carbon-doped BN nanosheets for metal-free photoredox catalysis. <i>Nature Communications</i> , 2015 , 6, 7698 | 7.4 | 482 |
| 37 | Helical graphitic carbon nitrides with photocatalytic and optical activities. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11926-30 | 16.4 | 466 |
| 36 | Tri-s-triazine-Based Crystalline Carbon Nitride Nanosheets for an Improved Hydrogen Evolution. <i>Advanced Materials</i> , 2017 , 29, 1700008 | 24 | 407 |
| 35 | Optimizing Optical Absorption, Exciton Dissociation, and Charge Transfer of a Polymeric Carbon Nitride with Ultrahigh Solar Hydrogen Production Activity. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 13445-13449 | 16.4 | 379 |
| 34 | Sol processing of conjugated carbon nitride powders for thin-film fabrication. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6297-301 | 16.4 | 313 |
| 33 | Crystalline Carbon Nitride Semiconductors for Photocatalytic Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6164-6175 | 16.4 | 312 |
| 32 | lonothermal Synthesis of Triazine-Heptazine-Based Copolymers with Apparent Quantum Yields of 60 % at 420 nm for Solar Hydrogen Production from "Sea Water". <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 9372-9376 | 16.4 | 259 |
| 31 | Invisible Security Ink Based on Water-Soluble Graphitic Carbon Nitride Quantum Dots. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2773-7 | 16.4 | 251 |
| 30 | Carbon Nitride Aerogels for the Photoredox Conversion of Water. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 10905-10910 | 16.4 | 206 |
| 29 | Molecular-level insights on the reactive facet of carbon nitride single crystals photocatalysing overall water splitting. <i>Nature Catalysis</i> , 2020 , 3, 649-655 | 36.5 | 173 |
| 28 | Crystalline carbon nitride semiconductors prepared at different temperatures for photocatalytic hydrogen production. <i>Applied Catalysis B: Environmental</i> , 2018 , 231, 234-241 | 21.8 | 152 |
| 27 | Photocatalytic overall water splitting by conjugated semiconductors with crystalline poly(triazine imide) frameworks. <i>Chemical Science</i> , 2017 , 8, 5506-5511 | 9.4 | 134 |
| 26 | Polymeres graphitisches Kohlenstoffnitrid für die nachhaltige Photoredoxkatalyse. <i>Angewandte Chemie</i> , 2015 , 127, 13060-13077 | 3.6 | 130 |
| 25 | Biomimetic Donor-Acceptor Motifs in Conjugated Polymers for Promoting Exciton Splitting and Charge Separation. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 8729-8733 | 16.4 | 130 |

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| 24 | Formation of heterostructures via direct growth CN on h-BN porous nanosheets for metal-free photocatalysis. <i>Nano Energy</i> , 2017 , 42, 58-68 | 17.1 | 108 |
| 23 | Sol Processing of Conjugated Carbon Nitride Powders for Thin-Film Fabrication. <i>Angewandte Chemie</i> , 2015 , 127, 6395-6399 | 3.6 | 106 |
| 22 | Helical Graphitic Carbon Nitrides with Photocatalytic and Optical Activities. <i>Angewandte Chemie</i> , 2014 , 126, 12120-12124 | 3.6 | 104 |
| 21 | Ultrafine Cobalt Catalysts on Covalent Carbon Nitride Frameworks for Oxygenic Photosynthesis. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 2287-96 | 9.5 | 93 |
| 20 | Optimizing Optical Absorption, Exciton Dissociation, and Charge Transfer of a Polymeric Carbon Nitride with Ultrahigh Solar Hydrogen Production Activity. <i>Angewandte Chemie</i> , 2017 , 129, 13630-13634 | 3.6 | 91 |
| 19 | Polymeric Carbon Nitride with Localized Aluminum Coordination Sites as a Durable and Efficient Photocatalyst for Visible Light Utilization. <i>ACS Catalysis</i> , 2018 , 8, 4241-4256 | 13.1 | 84 |
| 18 | A perovskite oxide LaCoO cocatalyst for efficient photocatalytic reduction of CO with visible light. <i>Chemical Communications</i> , 2018 , 54, 2272-2275 | 5.8 | 56 |
| 17 | Phenyl-doped graphitic carbon nitride: photoluminescence mechanism and latent fingerprint imaging. <i>Nanoscale</i> , 2017 , 9, 17737-17742 | 7.7 | 54 |
| 16 | Unprecedented Centimeter-Long Carbon Nitride Needles: Synthesis, Characterization and Applications. <i>Small</i> , 2018 , 14, e1800633 | 11 | 53 |
| 15 | Visible-Light-Driven Photocatalytic Water Splitting: Recent Progress and Challenges. <i>Trends in Chemistry</i> , 2020 , 2, 813-824 | 14.8 | 53 |
| 14 | Invisible Security Ink Based on Water-Soluble Graphitic Carbon Nitride Quantum Dots. <i>Angewandte Chemie</i> , 2016 , 128, 2823-2827 | 3.6 | 53 |
| 13 | Crystalline Carbon Nitride Semiconductors for Photocatalytic Water Splitting. <i>Angewandte Chemie</i> , 2019 , 131, 6225-6236 | 3.6 | 52 |
| 12 | Ionothermal Synthesis of Triazine-Heptazine-Based Copolymers with Apparent Quantum Yields of 60 % at 420 nm for Solar Hydrogen Production from Sea Water. <i>Angewandte Chemie</i> , 2018 , 130, 9516-9520 | 3.6 | 49 |
| 11 | Design of a Unique Energy-Band Structure and Morphology in a Carbon Nitride Photocatalyst for Improved Charge Separation and Hydrogen Production. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 519-530 | 8.3 | 49 |
| 10 | Electronic properties and 4f- π d transitions in Ce-doped Lu ₂ SiO ₅ : a theoretical investigation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 13723 | | 48 |
| 9 | Carbon Nitride Aerogels for the Photoredox Conversion of Water. <i>Angewandte Chemie</i> , 2017 , 129, 11045-11050 | 5.6 | 45 |
| 8 | Cubic mesoporous carbon nitride polymers with large cage-type pores for visible light photocatalysis. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 16179-16188 | 13 | 39 |
| 7 | New two-dimensional porous graphitic carbon nitride nanosheets for highly efficient photocatalytic hydrogen evolution under visible-light irradiation. <i>Catalysis Science and Technology</i> , 2018 , 8, 3846-3852 | 5.5 | 27 |

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| 6 | Thermal nitridation of triazine motifs to heptazine-based carbon nitride frameworks for use in visible light photocatalysis. <i>Chinese Journal of Catalysis</i> , 2015 , 36, 2089-2094 | 11.3 | 26 |
| 5 | First-Principles Study on Structural Properties and 4f- \rightarrow 5d Transitions of Locally Charge-Compensated Ce ³⁺ in CaF ₂ . <i>Journal of Physical Chemistry C</i> , 2012 , 116, 18419-18426 | 3.8 | 22 |
| 4 | Biomimetic Donor-Acceptor Motifs in Conjugated Polymers for Promoting Exciton Splitting and Charge Separation. <i>Angewandte Chemie</i> , 2018 , 130, 8865-8869 | 3.6 | 18 |
| 3 | Role of Dopants on the Local Electronic Structure of Polymeric Carbon Nitride Photocatalysts.. <i>Small Methods</i> , 2021 , 5, e2000707 | 12.8 | 5 |
| 2 | Enhanced Overall Water Splitting by a Zirconium-Doped TaON-Based Photocatalyst.. <i>Angewandte Chemie - International Edition</i> , 2022 , e202116573 | 16.4 | 3 |
| 1 | Nanostructured Carbon Nitrides for Photocatalytic Water Splitting 2015 , 281-300 | | 1 |