Lihua Lin

List of Publications by Year in Descending Order

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	Enhanced Overall Water Splitting by a Zirconium-Doped TaON-Based Photocatalyst.. *Angewandte Chemie - International Edition*, **2022**, e202116573	16.4	3
40	Role of Dopants on the Local Electronic Structure of Polymeric Carbon Nitride Photocatalysts.. *Small Methods*, **2021**, 5, e2000707	12.8	5
39	Molecular-level insights on the reactive facet of carbon nitride single crystals photocatalysing overall water splitting. *Nature Catalysis*, **2020**, 3, 649-655	36.5	173
38	Visible-Light-Driven Photocatalytic Water Splitting: Recent Progress and Challenges. *Trends in Chemistry*, **2020**, 2, 813-824	14.8	53
37	Crystalline Carbon Nitride Semiconductors for Photocatalytic Water Splitting. *Angewandte Chemie*, **2019**, 131, 6225-6236	3.6	52
36	Crystalline Carbon Nitride Semiconductors for Photocatalytic Water Splitting. *Angewandte Chemie - International Edition*, **2019**, 58, 6164-6175	16.4	312
35	Crystalline carbon nitride semiconductors prepared at different temperatures for photocatalytic hydrogen production. *Applied Catalysis B: Environmental*, **2018**, 231, 234-241	21.8	152
34	Unprecedented Centimeter-Long Carbon Nitride Needles: Synthesis, Characterization and Applications. *Small*, **2018**, 14, e1800633	11	53
33	Polymeric Carbon Nitride with Localized Aluminum Coordination Sites as a Durable and Efficient Photocatalyst for Visible Light Utilization. *ACS Catalysis*, **2018**, 8, 4241-4256	13.1	84
32	A perovskite oxide LaCoO cocatalyst for efficient photocatalytic reduction of CO with visible light. *Chemical Communications*, **2018**, 54, 2272-2275	5.8	56
31	Ionothermal Synthesis of Triazine-Heptazine-Based Copolymers with Apparent Quantum Yields of 60 % at 420 nm for Solar Hydrogen Production from Sea Water. *Angewandte Chemie*, **2018**, 130, 9516-9520	3.6	49
30	Biomimetic Donor-Acceptor Motifs in Conjugated Polymers for Promoting Exciton Splitting and Charge Separation. *Angewandte Chemie*, **2018**, 130, 8865-8869	3.6	18
29	Design of a Unique Energy-Band Structure and Morphology in a Carbon Nitride Photocatalyst for Improved Charge Separation and Hydrogen Production. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 519-530	8.3	49
28	Biomimetic Donor-Acceptor Motifs in Conjugated Polymers for Promoting Exciton Splitting and Charge Separation. *Angewandte Chemie - International Edition*, **2018**, 57, 8729-8733	16.4	130
27	Ionothermal Synthesis of Triazine-Heptazine-Based Copolymers with Apparent Quantum Yields of 60 % at 420 nm for Solar Hydrogen Production from "Sea Water". *Angewandte Chemie - International Edition*, **2018**, 57, 9372-9376	16.4	259
26	New two-dimensional porous graphitic carbon nitride nanosheets for highly efficient photocatalytic hydrogen evolution under visible-light irradiation. *Catalysis Science and Technology*, **2018**, 8, 3846-3852	5.5	27
25	Cubic mesoporous carbon nitride polymers with large cage-type pores for visible light photocatalysis. *Journal of Materials Chemistry A*, **2017**, 5, 16179-16188	13	39

24	Tri-s-triazine-Based Crystalline Carbon Nitride Nanosheets for an Improved Hydrogen Evolution. *Advanced Materials*, **2017**, 29, 1700008	24	407
23	Photocatalytic overall water splitting by conjugated semiconductors with crystalline poly(triazine imide) frameworks. *Chemical Science*, **2017**, 8, 5506-5511	9.4	134
22	Optimizing Optical Absorption, Exciton Dissociation, and Charge Transfer of a Polymeric Carbon Nitride with Ultrahigh Solar Hydrogen Production Activity. *Angewandte Chemie - International Edition*, **2017**, 56, 13445-13449	16.4	379
21	Formation of heterostructures via direct growth CN on h-BN porous nanosheets for metal-free photocatalysis. *Nano Energy*, **2017**, 42, 58-68	17.1	108
20	Optimizing Optical Absorption, Exciton Dissociation, and Charge Transfer of a Polymeric Carbon Nitride with Ultrahigh Solar Hydrogen Production Activity. *Angewandte Chemie*, **2017**, 129, 13630-13634	3.6	91
19	Phenyl-doped graphitic carbon nitride: photoluminescence mechanism and latent fingerprint imaging. *Nanoscale*, **2017**, 9, 17737-17742	7.7	54
18	Carbon Nitride Aerogels for the Photoredox Conversion of Water. *Angewandte Chemie*, **2017**, 129, 11045-11050	3.6	45
17	Carbon Nitride Aerogels for the Photoredox Conversion of Water. *Angewandte Chemie - International Edition*, **2017**, 56, 10905-10910	16.4	206
16	Overall water splitting by Pt/g-CN photocatalysts without using sacrificial agents. *Chemical Science*, **2016**, 7, 3062-3066	9.4	689
15	Ultrafine Cobalt Catalysts on Covalent Carbon Nitride Frameworks for Oxygenic Photosynthesis. *ACS Applied Materials & Interfaces*, **2016**, 8, 2287-96	9.5	93
14	Invisible Security Ink Based on Water-Soluble Graphitic Carbon Nitride Quantum Dots. *Angewandte Chemie - International Edition*, **2016**, 55, 2773-7	16.4	251
13	Invisible Security Ink Based on Water-Soluble Graphitic Carbon Nitride Quantum Dots. *Angewandte Chemie*, **2016**, 128, 2823-2827	3.6	53
12	Tri-s-triazine-Based Crystalline Graphitic Carbon Nitrides for Highly Efficient Hydrogen Evolution Photocatalysis. *ACS Catalysis*, **2016**, 6, 3921-3931	13.1	531
11	Carbon-doped BN nanosheets for metal-free photoredox catalysis. *Nature Communications*, **2015**, 6, 7698	27.4	482
10	Sol Processing of Conjugated Carbon Nitride Powders for Thin-Film Fabrication. *Angewandte Chemie*, **2015**, 127, 6395-6399	3.6	106
9	Nanostructured Carbon Nitrides for Photocatalytic Water Splitting **2015**, 281-300		1
8	Polymeres graphitisches Kohlenstoffnitrid f□ die nachhaltige Photoredoxkatalyse. *Angewandte Chemie*, **2015**, 127, 13060-13077	3.6	130
7	Graphitic Carbon Nitride Polymers toward Sustainable Photoredox Catalysis. *Angewandte Chemie - International Edition*, **2015**, 54, 12868-84	16.4	1014

6	Sol processing of conjugated carbon nitride powders for thin-film fabrication. *Angewandte Chemie - International Edition*, **2015**, 54, 6297-301	16.4	313
5	Thermal nitridation of triazine motifs to heptazine-based carbon nitride frameworks for use in visible light photocatalysis. *Chinese Journal of Catalysis*, **2015**, 36, 2089-2094	11.3	26
4	Helical graphitic carbon nitrides with photocatalytic and optical activities. *Angewandte Chemie - International Edition*, **2014**, 53, 11926-30	16.4	466
3	Helical Graphitic Carbon Nitrides with Photocatalytic and Optical Activities. *Angewandte Chemie*, **2014**, 126, 12120-12124	3.6	104
2	Electronic properties and 4f -p5d transitions in Ce-doped Lu2SiO5: a theoretical investigation. *Journal of Materials Chemistry*, **2012**, 22, 13723		48
1	First-Principles Study on Structural Properties and 4f -p5d Transitions of Locally Charge-Compensated Ce3+ in CaF2. *Journal of Physical Chemistry C*, **2012**, 116, 18419-18426	3.8	22