Guigang Zhang

List of Publications by Year in Descending Order

60 papers	9,650 citations	40 h-index	63 g-index
63 ext. papers	11,135 ext. citations	10.7 avg, IF	6.78 L-index

#	Paper	IF	Citations
60	Molecular Design of Covalent Triazine Frameworks with Anisotropic Charge Migration for Photocatalytic Hydrogen Production.. *Small*, **2022**, e2200129	11	1
59	Fully Condensed Poly (Triazine Imide) Crystals: Extended π-Conjugation and Structural Defects for Overall Water Splitting. *Angewandte Chemie - International Edition*, **2021**,	16.4	11
58	Molecular Triazine–Heptazine Junctions Promoting Exciton Dissociation for Overall Water Splitting with Visible Light. *Journal of Physical Chemistry C*, **2021**, 125, 9818-9826	3.8	21
57	Advantages in Using Inexpensive CO2 To Favor Photocatalytic Oxidation of Benzylamines. *ACS Catalysis*, **2020**, 10, 7336-7342	13.1	26
56	Visible-Light Flow Reactor Packed with Porous Carbon Nitride for Aerobic Substrate Oxidations. *ACS Applied Materials & Interfaces*, **2020**, 12, 8176-8182	9.5	20
55	Molecular Junctions on Polymeric Carbon Nitrides with Enhanced Photocatalytic Performance. *ChemSusChem*, **2020**, 13, 888-892	8.3	13
54	Reducing the Exciton Binding Energy of Donor-Acceptor-Based Conjugated Polymers to Promote Charge-Induced Reactions. *Angewandte Chemie - International Edition*, **2019**, 58, 10236-10240	16.4	132
53	Semi-heterogene duale Nickel-/Photokatalyse mit Kohlenstoffnitriden: Veresterung von Carbonsäuren mit Arylhalogeniden. *Angewandte Chemie*, **2019**, 131, 9676-9681	3.6	11
52	Semi-heterogeneous Dual Nickel/Photocatalysis using Carbon Nitrides: Esterification of Carboxylic Acids with Aryl Halides. *Angewandte Chemie - International Edition*, **2019**, 58, 9575-9580	16.4	66
51	Enhancement of photocatalytic H2 evolution on pyrene-based polymer promoted by MoS2 and visible light. *Applied Catalysis B: Environmental*, **2019**, 251, 102-111	21.8	41
50	Polymeric Donor-Acceptor Heterostructures for Enhanced Photocatalytic H Evolution without Using Pt Cocatalysts. *Chemistry - A European Journal*, **2019**, 25, 6102-6107	4.8	21
49	Polymeric Carbon Nitride/Reduced Graphene Oxide/Fe2O3: All-Solid-State Z-Scheme System for Photocatalytic Overall Water Splitting. *Angewandte Chemie*, **2019**, 131, 7176-7180	3.6	43
48	Polymeric Carbon Nitride/Reduced Graphene Oxide/Fe O : All-Solid-State Z-Scheme System for Photocatalytic Overall Water Splitting. *Angewandte Chemie - International Edition*, **2019**, 58, 7102-7106	16.4	184
47	Electron Deficient Monomers that Optimize Nucleation and Enhance the Photocatalytic Redox Activity of Carbon Nitrides. *Angewandte Chemie - International Edition*, **2019**, 58, 14950-14954	16.4	74
46	Reducing the Exciton Binding Energy of Donor–Acceptor-Based Conjugated Polymers to Promote Charge-Induced Reactions. *Angewandte Chemie*, **2019**, 131, 10342-10346	3.6	20
45	Oxysulfide Semiconductors for Photocatalytic Overall Water Splitting with Visible Light. *Angewandte Chemie - International Edition*, **2019**, 58, 15580-15582	16.4	41
44	Electron Deficient Monomers that Optimize Nucleation and Enhance the Photocatalytic Redox Activity of Carbon Nitrides. *Angewandte Chemie*, **2019**, 131, 15092-15096	3.6	12

43	Oxysulfid-Halbleiter f□ die photokatalytische Wasserspaltung mit sichtbarem Licht. *Angewandte Chemie*, **2019**, 131, 15726-15728	3.6	2
42	Green radicals of potassium poly(heptazine imide) using light and benzylamine. *Journal of Materials Chemistry A*, **2019**, 7, 24771-24775	13	35
41	Tailoring the Grain Boundary Chemistry of Polymeric Carbon Nitride for Enhanced Solar Hydrogen Production and CO Reduction. *Angewandte Chemie - International Edition*, **2019**, 58, 3433-3437	16.4	197
40	Tailoring the Grain Boundary Chemistry of Polymeric Carbon Nitride for Enhanced Solar Hydrogen Production and CO2 Reduction. *Angewandte Chemie*, **2019**, 131, 3471-3475	3.6	44
39	Photocatalytic cyanation of carbon nitride scaffolds: Tuning band structure and enhancing the performance in green light driven C S bond formation. *Applied Catalysis B: Environmental*, **2018**, 229, 249-253	21.8	35
38	A "waiting" carbon nitride radical anion: a charge storage material and key intermediate in direct C-H thiolation of methylarenes using elemental sulfur as the "S"-source. *Chemical Science*, **2018**, 9, 3584-3591	9.4	69
37	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
36	Visible-Light-Driven Photochemical Activation of sp3 C□H Bond for Hemiaminal Formation. *Asian Journal of Organic Chemistry*, **2018**, 7, 2464-2467	3	3
35	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
34	Advancing the n -□ electron transition of carbon nitride nanotubes for H2 photosynthesis. *Journal of Materials Chemistry A*, **2017**, 5, 12723-12728	13	153
33	Ni-Co layered double hydroxides cocatalyst for sustainable oxygen photosynthesis. *Applied Catalysis B: Environmental*, **2017**, 210, 454-461	21.8	44
32	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
31	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
30	The facile synthesis of graphitic carbon nitride from amino acid and urea for photocatalytic H2 production. *Research on Chemical Intermediates*, **2017**, 43, 5137-5152	2.8	28
29	Surface engineering of graphitic carbon nitride polymers with cocatalysts for photocatalytic overall water splitting. *Chemical Science*, **2017**, 8, 5261-5274	9.4	238
28	Konjugierte Polymere: Katalysatoren f□ die photokatalytische Wasserstoffentwicklung. *Angewandte Chemie*, **2016**, 128, 15940-15956	3.6	86
27	Conjugated Polymers: Catalysts for Photocatalytic Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2016**, 55, 15712-15727	16.4	531
26	Overall water splitting by Pt/g-CN photocatalysts without using sacrificial agents. *Chemical Science*, **2016**, 7, 3062-3066	9.4	689

25	Ultrafine Cobalt Catalysts on Covalent Carbon Nitride Frameworks for Oxygenic Photosynthesis. *ACS Applied Materials & Interfaces*, **2016**, 8, 2287-96	9.5	93
24	Condensed and low-defected graphitic carbon nitride with enhanced photocatalytic hydrogen evolution under visible light irradiation. *Applied Catalysis B: Environmental*, **2016**, 181, 413-419	21.8	177
23	Layering MoS2 on soft hollow g-C3N4 nanostructures for photocatalytic hydrogen evolution. *Applied Catalysis A: General*, **2016**, 521, 2-8	5.1	106
22	A facile synthesis of Br-modified g-C3N4 semiconductors for photoredox water splitting. *Applied Catalysis B: Environmental*, **2016**, 192, 116-125	21.8	368
21	Layered Co(OH)2 Deposited Polymeric Carbon Nitrides for Photocatalytic Water Oxidation. *ACS Catalysis*, **2015**, 5, 941-947	13.1	285
20	Cobalt selenide: a versatile cocatalyst for photocatalytic water oxidation with visible light. *Journal of Materials Chemistry A*, **2015**, 3, 17946-17950	13	81
19	Merging Surface Organometallic Chemistry with Graphitic Carbon Nitride Photocatalysis for CO2 Photofixation. *ChemCatChem*, **2015**, 7, 1422-1423	5.2	28
18	Surface Modification of Carbon Nitride Polymers by Core–Shell Nickel/Nickel Oxide Cocatalysts for Hydrogen Evolution Photocatalysis. *ChemCatChem*, **2015**, 7, 2864-2870	5.2	87
17	Mesoporous carbon nitride-tungsten oxide composites for enhanced photocatalytic hydrogen evolution. *ChemSusChem*, **2015**, 8, 1404-10	8.3	88
16	Dispersing molecular cobalt in graphitic carbon nitride frameworks for photocatalytic water oxidation. *Small*, **2015**, 11, 1215-21	11	235
15	Integrating CdS quantum dots on hollow graphitic carbon nitride nanospheres for hydrogen evolution photocatalysis. *Applied Catalysis B: Environmental*, **2015**, 179, 479-488	21.8	160
14	Iodine modified carbon nitride semiconductors as visible light photocatalysts for hydrogen evolution. *Advanced Materials*, **2014**, 26, 805-9	24	885
13	A facile synthesis of covalent carbon nitride photocatalysts by Co-polymerization of urea and phenylurea for hydrogen evolution. *Journal of Catalysis*, **2013**, 307, 246-253	7.3	157
12	Room temperature synthesis of heptazine-based microporous polymer networks as photocatalysts for hydrogen evolution. *Macromolecular Rapid Communications*, **2013**, 34, 1008-13	4.8	123
11	Layered nanojunctions for hydrogen-evolution catalysis. *Angewandte Chemie - International Edition*, **2013**, 52, 3621-5	16.4	713
10	A 3D hybrid praseodymium-antimony-oxochloride compound: single-crystal-to-single-crystal transformation and photocatalytic properties. *Chemistry - A European Journal*, **2013**, 19, 15396-403	4.8	12
9	Layered Nanojunctions for Hydrogen-Evolution Catalysis. *Angewandte Chemie*, **2013**, 125, 3709-3713	3.6	99
8	Synthesis of Carbon Nitride Semiconductors in Sulfur Flux for Water Photoredox Catalysis. *ACS Catalysis*, **2012**, 2, 940-948	13.1	337

7	Polycondensation of thiourea into carbon nitride semiconductors as visible light photocatalysts. *Journal of Materials Chemistry*, **2012**, 22, 8083		730
6	Co-Monomer Control of Carbon Nitride Semiconductors to Optimize Hydrogen Evolution with Visible Light. *Angewandte Chemie*, **2012**, 124, 3237-3241	3.6	220
5	Co-monomer control of carbon nitride semiconductors to optimize hydrogen evolution with visible light. *Angewandte Chemie - International Edition*, **2012**, 51, 3183-7	16.4	624
4	Synthesis of bulk and nanoporous carbon nitride polymers from ammonium thiocyanate for photocatalytic hydrogen evolution. *Journal of Materials Chemistry*, **2011**, 21, 13032		353
3	Fully Condensed Poly (Triazine Imide) Crystals: Extended π-Conjugation and Structural Defects for Overall Water Splitting. *Angewandte Chemie*,	3.6	2
2	Gradient Zn-Doped Poly Heptazine Imides Integrated with a van der Waals Homojunction Boosting Visible Light-Driven Water Oxidation Activities. *ACS Catalysis*,13463-13471	13.1	10
1	H2 and CH4 production from bio-alcohols using condensed poly(heptazine imide) with visible light. *Journal of Materials Chemistry A*,	13	2