Qing Han

List of Publications by Citations

55 papers	2,949 citations	23 h-index	54 g-index
58 ext. papers	3,642 ext. citations	10.2 avg, IF	5.61 L-index

#	Paper	IF	Citations
55	Atomically Thin Mesoporous Nanomesh of Graphitic C□N□ for High-Efficiency Photocatalytic Hydrogen Evolution. *ACS Nano*, **2016**, 10, 2745-51	16.7	701
54	A Graphitic-C3N4 "Seaweed" Architecture for Enhanced Hydrogen Evolution. *Angewandte Chemie - International Edition*, **2015**, 54, 11433-7	16.4	365
53	Sulfur-doped graphitic carbon nitride decorated with graphene quantum dots for an efficient metal-free electrocatalyst. *Journal of Materials Chemistry A*, **2015**, 3, 1841-1846	13	183
52	One-step preparation of iodine-doped graphitic carbon nitride nanosheets as efficient photocatalysts for visible light water splitting. *Journal of Materials Chemistry A*, **2015**, 3, 4612-4619	13	182
51	Graphitic Carbon Nitride/Nitrogen-Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. *Angewandte Chemie - International Edition*, **2016**, 55, 10849-53	16.4	136
50	Significant Enhancement of Visible-Light-Driven Hydrogen Evolution by Structure Regulation of Carbon Nitrides. *ACS Nano*, **2018**, 12, 5221-5227	16.7	134
49	Facile production of ultrathin graphitic carbon nitride nanoplatelets for efficient visible-light water splitting. *Nano Research*, **2015**, 8, 1718-1728	10	131
48	Graphene/graphitic carbon nitride hybrids for catalysis. *Materials Horizons*, **2017**, 4, 832-850	14.4	130
47	Mesh-on-Mesh Graphitic-C3N4@Graphene for Highly Efficient Hydrogen Evolution. *Advanced Functional Materials*, **2017**, 27, 1606352	15.6	115
46	A Graphitic-C3N4 □Seaweed□ Architecture for Enhanced Hydrogen Evolution. *Angewandte Chemie*, **2015**, 127, 11595-11599	3.6	73
45	Selective Hydrogenation of Cinnamaldehyde to Cinnamal Alcohol over Platinum/Graphene Catalysts. *ChemCatChem*, **2014**, 6, 3246-3253	5.2	66
44	Integrated graphene systems by laser irradiation for advanced devices. *Nano Today*, **2017**, 12, 14-30	17.9	63
43	2D-layered Ti3C2 MXenes for promoted synthesis of NH3 on P25 photocatalysts. *Applied Catalysis B: Environmental*, **2020**, 273, 119054	21.8	62
42	A Type of 1 nm Molybdenum Carbide Confined within Carbon Nanomesh as Highly Efficient Bifunctional Electrocatalyst. *Advanced Functional Materials*, **2018**, 28, 1705967	15.6	58
41	Rational Design of High-Concentration Ti in Porous Carbon-Doped TiO Nanosheets for Efficient Photocatalytic Ammonia Synthesis. *Advanced Materials*, **2021**, 33, e2008180	24	51
40	Synergistic effect of Mo2N and Pt for promoted selective hydrogenation of cinnamaldehyde over Pt□Mo2N/SBA-15. *Catalysis Science and Technology*, **2016**, 6, 2403-2412	5.5	47
39	Spontaneous formation of Cu2O-g-C3N4 core-shell nanowires for photocurrent and humidity responses. *Nanoscale*, **2015**, 7, 9694-702	7.7	44

38	Graphitic Carbon Nitride/Nitrogen-Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. *Angewandte Chemie*, **2016**, 128, 11007-11011	3.6	32
37	(111) Facets-Oriented Au-Decorated Carbon Nitride Nanoplatelets for Visible-Light-Driven Overall Water Splitting. *ACS Applied Materials & Interfaces*, **2018**, 10, 38066-38072	9.5	31
36	Graphitic C3N4-Pt nanohybrids supported on a graphene network for highly efficient methanol oxidation. *Science China Materials*, **2015**, 58, 21-27	7.1	30
35	Conductive Li3.08Cr0.02Si0.09V0.9O4 Anode Material: Novel "Zero-Strain" Characteristic and Superior Electrochemical Li+ Storage. *Advanced Energy Materials*, **2020**, 10, 1904267	21.8	26
34	An Effective Co-promoted Platinum of Co–Pt/SBA-15 Catalyst for Selective Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol. *Catalysis Letters*, **2016**, 146, 1535-1543	2.8	24
33	Interactions between Graphene-Based Materials and Water Molecules toward Actuator and Electricity-Generator Applications. *Small Methods*, **2018**, 2, 1800108	12.8	23
32	Semiconductor photocatalysis to engineering deuterated N-alkyl pharmaceuticals enabled by synergistic activation of water and alkanols. *Nature Communications*, **2020**, 11, 4722	17.4	18
31	Wall-Mesoporous Graphitic Carbon Nitride Nanotubes for Efficient Photocatalytic Hydrogen Evolution. *Chemistry - an Asian Journal*, **2018**, 13, 3160-3164	4.5	18
30	Synergistic oxygen substitution and heterostructure construction in polymeric semiconductors for efficient water splitting. *Nanoscale*, **2020**, 12, 13484-13490	7.7	17
29	Effect of carbon nanosheets with different graphitization degrees as a support of noble metals on selective hydrogenation of cinnamaldehyde. *RSC Advances*, **2016**, 6, 98356-98364	3.7	17
28	A 3D-graphene fiber electrode embedded with nitrogen-rich-carbon-coated ZIF-67 for the ultrasensitive detection of adrenaline. *Journal of Materials Chemistry B*, **2019**, 7, 5291-5295	7.3	17
27	Graphene Fibers: Advancing Applications in Sensor, Energy Storage and Conversion. *Chinese Journal of Polymer Science (English Edition)*, **2019**, 37, 535-547	3.5	14
26	Hierarchical ZnO@Hybrid Carbon Core-Shell Nanowire Array on a Graphene Fiber Microelectrode for Ultrasensitive Detection of 2,4,6-Trinitrotoluene. *ACS Applied Materials & Interfaces*, **2020**, 12, 8547-8554	9.5	13
25	Graphitic carbon nitride nanofibers in seaweed-like architecture for gas chromatographic separations. *Journal of Chromatography A*, **2017**, 1496, 133-140	4.5	12
24	Mesoporous Polymeric Cyanamide-Triazole-Heptazine Photocatalysts for Highly-Efficient Water Splitting. *Small*, **2020**, 16, e2003162	11	12
23	A three-dimensional hollow graphene fiber microelectrode with shrink-effect-enabled enzyme immobilization for sensor applications. *Science Bulletin*, **2019**, 64, 718-722	10.6	11
22	Progress and challenges in photocatalytic ammonia synthesis. *Materials Advances*, **2021**, 2, 564-581	3.3	8
21	Lithiation-Enabled High-Density Nitrogen Vacancies Electrocatalyze CO to C Products. *Advanced Materials*, **2021**, 33, e2103150	24	8

20	A Cut-Resistant and Highly Restorable Graphene Foam. *Small*, **2018**, 14, e1801916	11	7
19	Electron Localization and Lattice Strain Induced by Surface Lithium Doping Enable Ampere-Level Electrosynthesis of Formate from CO. *Angewandte Chemie - International Edition*, **2021**, 60, 25741-25745	16.4	7
18	Functional group defect design in polymeric carbon nitride for photocatalytic application. *APL Materials*, **2020**, 8, 120703	5.7	7
17	Planar Graphene-Based Microsupercapacitors. *Small*, **2021**, 17, e2006827	11	7
16	Electrocatalytic Methane Oxidation to Ethanol via Rh/ZnO Nanosheets. *Journal of Physical Chemistry C*, **2021**, 125, 13324-13330	3.8	6
15	Polarization Engineering of Covalent Triazine Frameworks for Highly Efficient Photosynthesis of Hydrogen Peroxide from Molecular Oxygen and Water.. *Advanced Materials*, **2022**, e2110266	24	6
14	A hierarchical heterojunction polymer aerogel for accelerating charge transfer and separation. *Journal of Materials Chemistry A*, **2021**, 9, 7881-7887	13	5
13	Electrochemical Methane Conversion. *Small Structures*, **2021**, 2, 2100037	8.7	4
12	Ultra-small dispersed Cu O nanoparticles on graphene fibers for miniaturized electrochemical sensor applications.. *RSC Advances*, **2019**, 9, 28207-28212	3.7	3
11	A membrane arm of mitochondrial complex I sufficient to promote respirasome formation. *Cell Reports*, **2021**, 35, 108963	10.6	3
10	Rapid determination of seven synthetic dyes in casual snacks based on packed-fibers solid-phase extraction coupled with HPLC-DAD. *Food Chemistry*, **2021**, 347, 129026	8.5	3
9	One-step synthesis of hierarchical Ni3Se2 nanosheet-on-nanorods/Ni foam electrodes for hybrid supercapacitors. *Chinese Chemical Letters*, **2021**, 33, 475-475	8.1	3
8	Nitrogen and litter addition decreased sexual reproduction and increased clonal propagation in grasslands. *Oecologia*, **2021**, 195, 131-144	2.9	3
7	Oxidation degree of graphene reflected by morphology-tailored ZnO growth. *Carbon*, **2016**, 107, 583-592	10.4	2
6	System Engineering Enhances Photoelectrochemical CO2 Reduction. *Journal of Physical Chemistry C* , **2022**, 126, 1689-1700	3.8	1
5	Planar Graphene-Based Microsupercapacitors (Small 48/2021). *Small*, **2021**, 17, 2170254	11	1
4	Electron Localization and Lattice Strain Induced by Surface Lithium Doping Enable Ampere-Level Electrosynthesis of Formate from CO2. *Angewandte Chemie*, **2021**, 133, 25945	3.6	1
3	Few-layer carbon nitride photocatalysts for solar fuels and chemicals: Current status and prospects. *Chinese Journal of Catalysis*, **2022**, 43, 1216-1229	11.3	1

2	Selective Separation and Analysis of Catecholamines in Urine Based on Magnetic Solid Phase Extraction by Mercaptophenylboronic Acid Functionalized Fe3O4-NH2@Au Magnetic Nanoparticles Coupled with HPLC. *Separations*, **2021**, 8, 196	3.1	0
1	Analysis of thermal decomposition of acidified sediments in gold plants and harmless disposal of it.. *Journal of Hazardous Materials*, **2022**, 431, 128472	12.8	