Qing Han

List of Publications by Year
in descending order

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57 papers	4,376 citations	172457 29 h-index	138484 58 g-index
58 all docs	58 docs citations	58 times ranked	5293 citing authors

#	Article	IF	Citations
1	Atomically Thin Mesoporous Nanomesh of Graphitic C₃N₄ for High-Efficiency Photocatalytic Hydrogen Evolution. ACS Nano, 2016, 10, 2745-2751.	14.6	866
2	A Graphiticâ€C₃N₄ â€œSeaweedâ€•Architecture for Enhanced Hydrogen Evolution. Angewandte Chemie - International Edition, 2015, 54, 11433-11437.	13.8	433
3	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.	10.3	232
4	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.	10.3	229
5	Significant Enhancement of Visible-Light-Driven Hydrogen Evolution by Structure Regulation of Carbon Nitrides. ACS Nano, 2018, 12, 5221-5227.	14.6	194
6	Graphene/graphitic carbon nitride hybrids for catalysis. Materials Horizons, 2017, 4, 832-850.	12.2	168
7	Graphitic Carbon Nitride/Nitrogenâ€Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. Angewandte Chemie - International Edition, 2016, 55, 10849-10853.	13.8	157
8	Rational Design of Highâ€Concentration Ti³⁺ in Porous Carbonâ€Doped TiO₂ Nanosheets for Efficient Photocatalytic Ammonia Synthesis. Advanced Materials, 2021, 33, e2008180.	21.0	155
9	Facile production of ultrathin graphitic carbon nitride nanoplatelets for efficient visible-light water splitting. Nano Research, 2015, 8, 1718-1728.	10.4	154
10	Meshâ€onâ€Mesh Graphiticâ€C₃N₄@Graphene for Highly Efficient Hydrogen Evolution. Advanced Functional Materials, 2017, 27, 1606352.	14.9	145
11	Polarization Engineering of Covalent Triazine Frameworks for Highly Efficient Photosynthesis of Hydrogen Peroxide from Molecular Oxygen and Water. Advanced Materials, 2022, 34, e2110266.	21.0	136
12	A Crystalline Partially Fluorinated Triazine Covalent Organic Framework for Efficient Photosynthesis of Hydrogen Peroxide. Angewandte Chemie - International Edition, 2022, 61, .	13.8	121
13	2D-layered Ti3C2 MXenes for promoted synthesis of NH3 on P25 photocatalysts. Applied Catalysis B: Environmental, 2020, 273, 119054.	20.2	111
14	Selective Hydrogenation of Cinnamaldehyde to Cinnamal Alcohol over Platinum/Graphene Catalysts. ChemCatChem, 2014, 6, 3246-3253.	3.7	80
15	Integrated graphene systems by laser irradiation for advanced devices. Nano Today, 2017, 12, 14-30.	11.9	78
16	A Type of 1 nm Molybdenum Carbide Confined within Carbon Nanomesh as Highly Efficient Bifunctional Electrocatalyst. Advanced Functional Materials, 2018, 28, 1705967.	14.9	78
17	Electron Localization and Lattice Strain Induced by Surface Lithium Doping Enable Ampereâ€Level Electrosynthesis of Formate from CO₂. Angewandte Chemie - International Edition, 2021, 60, 25741-25745.	13.8	66
18	Synergistic effect of Mo₂N and Pt for promoted selective hydrogenation of cinnamaldehyde over Ptâ€“Mo₂N/SBA-15. Catalysis Science and Technology, 2016, 6, 2403-2412.	4.1	58

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19	Spontaneous formation of Cu₂Oâ€“g-C₃N₄coreâ€“shell nanowires for photocurrent and humidity responses. Nanoscale, 2015, 7, 9694-9702.	5.6	54
20	Conductive Li_{3.08}Cr_{0.02}Si_{0.09}V_{0.9}O₄ Anode Material: Novel â€œZeroâ€Strainâ€•Characteristic and Superior Electrochemical Li⁺ Storage. Advanced Energy Materials, 2020, 10, 1904267.	19.5	53
21	Lithiationâ€Enabled Highâ€Density Nitrogen Vacancies Electrocatalyze CO₂ to C₂ Products. Advanced Materials, 2021, 33, e2103150.	21.0	48
22	Semiconductor photocatalysis to engineering deuterated N-alkyl pharmaceuticals enabled by synergistic activation of water and alkanols. Nature Communications, 2020, 11, 4722.	12.8	41
23	(111) Facets-Oriented Au-Decorated Carbon Nitride Nanoplatelets for Visible-Light-Driven Overall Water Splitting. ACS Applied Materials & Interfaces, 2018, 10, 38066-38072.	8.0	39
24	Graphitic Carbon Nitride/Nitrogenâ€Rich Carbon Nanofibers: Highly Efficient Photocatalytic Hydrogen Evolution without Cocatalysts. Angewandte Chemie, 2016, 128, 11007-11011.	2.0	38
25	An Effective Co-promoted Platinum of Coâ€“Pt/SBA-15 Catalyst for Selective Hydrogenation of Cinnamaldehyde to Cinnamyl Alcohol. Catalysis Letters, 2016, 146, 1535-1543.	2.6	36
26	Interactions between Grapheneâ€Based Materials and Water Molecules toward Actuator and Electricityâ€Generator Applications. Small Methods, 2018, 2, 1800108.	8.6	36
27	Graphitic C3N4-Pt nanohybrids supported on a graphene network for highly efficient methanol oxidation. Science China Materials, 2015, 58, 21-27.	6.3	34
28	Progress and challenges in photocatalytic ammonia synthesis. Materials Advances, 2021, 2, 564-581.	5.4	32
29	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.	5.8	28
30	Synergistic oxygen substitution and heterostructure construction in polymeric semiconductors for efficient water splitting. Nanoscale, 2020, 12, 13484-13490.	5.6	28
31	Mesoporous Polymeric Cyanamideâ€Triazoleâ€Heptazine Photocatalysts for Highlyâ€Efficient Water Splitting. Small, 2020, 16, e2003162.	10.0	27
32	Planar Grapheneâ€Based Microsupercapacitors. Small, 2021, 17, e2006827.	10.0	24
33	Electrocatalytic Methane Oxidation to Ethanol via Rh/ZnO Nanosheets. Journal of Physical Chemistry C, 2021, 125, 13324-13330.	3.1	24
34	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.	3.6	23
35	System Engineering Enhances Photoelectrochemical CO₂ Reduction. Journal of Physical Chemistry C, 2022, 126, 1689-1700.	3.1	23
36	Wallâ€Mesoporous Graphitic Carbon Nitride Nanotubes for Efficient Photocatalytic Hydrogen Evolution. Chemistry - an Asian Journal, 2018, 13, 3160-3164.	3.3	22

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37	Electron Localization and Lattice Strain Induced by Surface Lithium Doping Enable Ampereâ€Level Electrosynthesis of Formate from CO₂. Angewandte Chemie, 2021, 133, 25945-25949.	2.0	19
38	Hierarchical ZnO@Hybrid Carbon Coreâ€“Shell Nanowire Array on a Graphene Fiber Microelectrode for Ultrasensitive Detection of 2,4,6-Trinitrotoluene. ACS Applied Materials & Interfaces, 2020, 12, 8547-8554.	8.0	18
39	Graphene Fibers: Advancing Applications in Sensor, Energy Storage and Conversion. Chinese Journal of Polymer Science (English Edition), 2019, 37, 535-547.	3.8	17
40	Functional group defect design in polymeric carbon nitride for photocatalytic application. APL Materials, 2020, 8, .	5.1	16
41	One-step synthesis of hierarchical Ni3Se2 nanosheet-on-nanorods/Ni foam electrodes for hybrid supercapacitors. Chinese Chemical Letters, 2022, 33, 475-479.	9.0	15
42	Electrochemical Methane Conversion. Small Structures, 2021, 2, 2100037.	12.0	15
43	Graphitic carbon nitride nanofibers in seaweed-like architecture for gas chromatographic separations. Journal of Chromatography A, 2017, 1496, 133-140.	3.7	14
44	Nitrogen and litter addition decreased sexual reproduction and increased clonal propagation in grasslands. Oecologia, 2021, 195, 131-144.	2.0	14
45	A hierarchical heterojunction polymer aerogel for accelerating charge transfer and separation. Journal of Materials Chemistry A, 2021, 9, 7881-7887.	10.3	13
46	A three-dimensional hollow graphene fiber microelectrode with shrink-effect-enabled enzyme immobilization for sensor applications. Science Bulletin, 2019, 64, 718-722.	9.0	12
47	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.	8.2	11
48	A Cutâ€Resistant and Highly Restorable Graphene Foam. Small, 2018, 14, e1801916.	10.0	9
49	A membrane arm of mitochondrial complex I sufficient to promote respirasome formation. Cell Reports, 2021, 35, 108963.	6.4	9
50	A Crystalline Partially Fluorinated Triazine Covalent Organic Framework for Efficient Photosynthesis of Hydrogen Peroxide. Angewandte Chemie, 2022, 134, .	2.0	9
51	Ultra-small dispersed Cu_xO nanoparticles on graphene fibers for miniaturized electrochemical sensor applications. RSC Advances, 2019, 9, 28207-28212.	3.6	7
52	Few-layer carbon nitride photocatalysts for solar fuels and chemicals: Current status and prospects. Chinese Journal of Catalysis, 2022, 43, 1216-1229.	14.0	7
53	Discoidin domain receptor 1 promotes lung adenocarcinoma migration via the AKT/snail signaling axis. Molecular Biology Reports, 2022, 49, 7275-7286.	2.3	5
54	Oxidation degree of graphene reflected by morphology-tailored ZnO growth. Carbon, 2016, 107, 583-592.	10.3	3

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55	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.	2.4	2
56	Planar Grapheneâ€Based Microsupercapacitors (Small 48/2021). Small, 2021, 17, .	10.0	1
57	Analysis of thermal decomposition of acidified sediments in gold plants and harmless disposal of it. Journal of Hazardous Materials, 2022, 431, 128472.	12.4	1