

Zongzhao Sun

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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.

31 papers	1,074 citations	16 h-index	32 g-index
32 ext. papers	1,302 ext. citations	9 avg, IF	4.54 L-index

#	Paper	IF	Citations
31	Enhancement of photocatalytic hydrogen evolution activity of porous oxygen doped g-C ₃ N ₄ with nitrogen defects induced by changing electron transition. <i>Applied Catalysis B: Environmental</i> , 2019 , 240, 30-38	21.8	175
30	Rapid, selective, and ultrasensitive fluorimetric analysis of mercury and copper levels in blood using bimetallic gold-silver nanoclusters with "silver effect"-enhanced red fluorescence. <i>Analytical Chemistry</i> , 2014 , 86, 11714-21	7.8	173
29	Platinum nanocatalysts loaded on graphene oxide-dispersed carbon nanotubes with greatly enhanced peroxidase-like catalysis and electrocatalysis activities. <i>Nanoscale</i> , 2014 , 6, 8107-16	7.7	92
28	Recyclable enzyme mimic of cubic FeO nanoparticles loaded on graphene oxide-dispersed carbon nanotubes with enhanced peroxidase-like catalysis and electrocatalysis. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 4442-4448	7.3	91
27	Ultrasensitive electroanalysis of low-level free microRNAs in blood by maximum signal amplification of catalytic silver deposition using alkaline phosphatase-incorporated gold nanoclusters. <i>Analytical Chemistry</i> , 2014 , 86, 10406-14	7.8	89
26	High-throughput colorimetric assays for mercury(II) in blood and wastewater based on the mercury-stimulated catalytic activity of small silver nanoparticles in a temperature-switchable gelatin matrix. <i>Chemical Communications</i> , 2014 , 50, 9196-9	5.8	71
25	Lab-on-a-drop: biocompatible fluorescent nanoprobe of gold nanoclusters for label-free evaluation of phosphorylation-induced inhibition of acetylcholinesterase activity towards the ultrasensitive detection of pesticide residues. <i>Analyst, The</i> , 2014 , 139, 4620-8	5	42
24	Biomimetic photocatalytic sulfonation of alkenes to access α -ketosulfones with single-atom iron site. <i>Green Chemistry</i> , 2020 , 22, 230-237	10	37
23	ZnO nanocomposites modified by hydrophobic and hydrophilic silanes with dramatically enhanced tunable fluorescence and aqueous ultrastability toward biological imaging applications. <i>Scientific Reports</i> , 2015 , 5, 8475	4.9	35
22	A hierarchical carbon nitride tube with oxygen doping and carbon defects promotes solar-to-hydrogen conversion. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 3160-3167	13	35
21	Intramolecular Charge Transfer and Extended Conjugate Effects in Donor-Acceptor-Type Mesoporous Carbon Nitride for Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2019 , 12, 1325-1333	8.3	32
20	Silver nanoclusters with enhanced fluorescence and specific ion recognition capability triggered by alcohol solvents: a highly selective fluorimetric strategy for detecting iodide ions in urine. <i>Chemical Communications</i> , 2017 , 53, 9466-9469	5.8	29
19	Silver Nanoclusters with Specific Ion Recognition Modulated by Ligand Passivation toward Fluorimetric and Colorimetric Copper Analysis and Biological Imaging. <i>Scientific Reports</i> , 2016 , 6, 20553	4.9	28
18	Enhancement of photocatalytic hydrogen evolution activity of g-C ₃ N ₄ induced by structural distortion via post-fluorination treatment. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 276-284	21.8	23
17	A "hip-in-a-bottle" strategy to fabricate highly crystallized nanoporous graphitic C ₃ N ₄ microspheres under pressurized conditions. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 8952-8959	13	21
16	Building an artificial solid electrolyte interphase with high-uniformity and fast ion diffusion for ultralong-life sodium metal anodes. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16232-16237	13	17
15	Super-hydrophobic Silver-Doped TiO ₂ @ Polycarbonate Coatings Created on Various Material Substrates with Visible-Light Photocatalysis for Self-Cleaning Contaminant Degradation. <i>Scientific Reports</i> , 2017 , 7, 42932	4.9	12

14	Controllable local electronic migration induced charge separation and red-shift emission in carbon nitride for enhanced photocatalysis and potential phototherapy. <i>Chemical Communications</i> , 2019 , 55, 6002-6005	5.8	11
13	A phosphorylation-sensitive tyrosine-tailored magnetic particle for electrochemically probing free organophosphates in blood. <i>Analyst, The</i> , 2014 , 139, 5466-71	5	9
12	A high-throughput fluorimetric microarray with enhanced fluorescence and suppressed "coffee-ring" effects for the detection of calcium ions in blood. <i>Scientific Reports</i> , 2016 , 6, 38602	4.9	9
11	Optimal d-band-induced Cu ₃ N as a cocatalyst on metal sulfides for boosting photocatalytic hydrogen evolution. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 22601-22606	13	8
10	Single-atom-nickel photocatalytic site-selective sulfonation of enamides to access amidosulfones. <i>Green Chemistry</i> , 2021 , 23, 2756-2762	10	7
9	Nickel confined in 2D earth-abundant oxide layers for highly efficient and durable oxygen evolution catalysts. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13340-13350	13	5
8	Sulfate modified g-CN with enhanced photocatalytic activity towards hydrogen evolution: the role of sulfate in photocatalysis. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 10116-10122	3.6	5
7	In-depth Understanding of the Effects of Intramolecular Charge Transfer on Carbon Nitride Based Photocatalysts <i>Chinese Journal of Chemistry</i> , 2021 , 39, 2044-2053	4.9	4
6	Encapsulating chromogenic reaction substrates with porous hydrogel scaffolds onto arrayed capillary tubes toward a visual and high-throughput colorimetric strategy for rapid occult blood tests. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 1159-1165	7.3	3
5	Three-dimensional Insight on Formation and Light-harvesting of Hollow-structure Carbon Nitride. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7020-7029	6.1	3
4	Visible-light-stimulated Alkalis-triggered Platinum Cocatalyst with Electron Deficient Interface for Hydrogen Evolution. <i>ChemCatChem</i> , 2020 , 12, 2189-2193	5.2	3
3	Direct Atomic-Scale Structure and Electric Field Imaging of Triazine-Based Crystalline Carbon Nitride. <i>Advanced Materials</i> , 2021 , 33, e2106359	24	3
2	Anomalous Phase Transition of Layered Lepidocrocite Titania Nanosheets to Anatase and Rutile. <i>Crystal Growth and Design</i> , 2019 , 19, 3298-3304	3.5	2
1	Self-supported hierarchical crystalline carbon nitride arrays with triazine-heptazine heterojunctions for highly efficient photoredox catalysis. <i>Chemical Engineering Journal</i> , 2022 , 435, 134865	14.7	0