Zongzhao Sun

List of Publications by Year in Descending Order

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	Self-supported hierarchical crystalline carbon nitride arrays with triazine-heptazine heterojunctions for highly efficient photoredox catalysis. *Chemical Engineering Journal*, **2022**, 435, 134865	14.7	0
30	In-depth Understanding of the Effects of Intramolecular Charge Transfer on Carbon Nitride Based Photocatalysts *Chinese Journal of Chemistry*, **2021**, 39, 2044-2053	4.9	4
29	Single-atom-nickel photocatalytic site-selective sulfonation of enamides to access amidosulfones. *Green Chemistry*, **2021**, 23, 2756-2762	10	7
28	Direct Atomic-Scale Structure and Electric Field Imaging of Triazine-Based Crystalline Carbon Nitride. *Advanced Materials*, **2021**, 33, e2106359	24	3
27	Building an artificial solid electrolyte interphase with high-uniformity and fast ion diffusion for ultralong-life sodium metal anodes. *Journal of Materials Chemistry A*, **2020**, 8, 16232-16237	13	17
26	Nickel confined in 2D earth-abundant oxide layers for highly efficient and durable oxygen evolution catalysts. *Journal of Materials Chemistry A*, **2020**, 8, 13340-13350	13	5
25	Three-dimensional Insight on Formation and Light-harvesting of Hollow-structure Carbon Nitride. *ACS Applied Energy Materials*, **2020**, 3, 7020-7029	6.1	3
24	Visible-light-stimulated Alkalis-triggered Platinum Cocatalyst with Electron Deficient Interface for Hydrogen Evolution. *ChemCatChem*, **2020**, 12, 2189-2193	5.2	3
23	Sulfate modified g-CN with enhanced photocatalytic activity towards hydrogen evolution: the role of sulfate in photocatalysis. *Physical Chemistry Chemical Physics*, **2020**, 22, 10116-10122	3.6	5
22	Biomimetic photocatalytic sulfonation of alkenes to access β-ketosulfones with single-atom iron site. *Green Chemistry*, **2020**, 22, 230-237	10	37
21	A hierarchical carbon nitride tube with oxygen doping and carbon defects promotes solar-to-hydrogen conversion. *Journal of Materials Chemistry A*, **2020**, 8, 3160-3167	13	35
20	Optimal d-band-induced Cu3N as a cocatalyst on metal sulfides for boosting photocatalytic hydrogen evolution. *Journal of Materials Chemistry A*, **2020**, 8, 22601-22606	13	8
19	Controllable local electronic migration induced charge separation and red-shift emission in carbon nitride for enhanced photocatalysis and potential phototherapy. *Chemical Communications*, **2019**, 55, 6002-6005	5.8	11
18	Anomalous Phase Transition of Layered Lepidocrocite Titania Nanosheets to Anatase and Rutile. *Crystal Growth and Design*, **2019**, 19, 3298-3304	3.5	2
17	A "ship-in-a-bottle" strategy to fabricate highly crystallized nanoporous graphitic C3N4 microspheres under pressurized conditions. *Journal of Materials Chemistry A*, **2019**, 7, 8952-8959	13	21
16	Enhancement of photocatalytic hydrogen evolution activity of porous oxygen doped g-C3N4 with nitrogen defects induced by changing electron transition. *Applied Catalysis B: Environmental*, **2019**, 240, 30-38	21.8	175
15	Intramolecular Charge Transfer and Extended Conjugate Effects in Donor-π-Acceptor-Type Mesoporous Carbon Nitride for Photocatalytic Hydrogen Evolution. *ChemSusChem*, **2019**, 12, 1325-1333	8.3	32

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14	Enhancement of photocatalytic hydrogen evolution activity of g-C3N4 induced by structural distortion via post-fluorination treatment. *Applied Catalysis B: Environmental*, **2018**, 227, 276-284	21.8	23
13	Super-hydrophobic Silver-Doped TiO @ Polycarbonate Coatings Created on Various Material Substrates with Visible-Light Photocatalysis for Self-Cleaning Contaminant Degradation. *Scientific Reports*, **2017**, 7, 42932	4.9	12
12	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. *Journal of Materials Chemistry B*, **2017**, 5, 1159-1165	7.3	3
11	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. *Chemical Communications*, **2017**, 53, 9466-9469	5.8	29
10	Silver Nanoclusters with Specific Ion Recognition Modulated by Ligand Passivation toward Fluorimetric and Colorimetric Copper Analysis and Biological Imaging. *Scientific Reports*, **2016**, 6, 20553	4.9	28
9	A high-throughput fluorimetric microarray with enhanced fluorescence and suppressed "coffee-ring" effects for the detection of calcium ions in blood. *Scientific Reports*, **2016**, 6, 38602	4.9	9
8	ZnO nanocomposites modified by hydrophobic and hydrophilic silanes with dramatically enhanced tunable fluorescence and aqueous ultrastability toward biological imaging applications. *Scientific Reports*, **2015**, 5, 8475	4.9	35
7	Recyclable enzyme mimic of cubic FeO nanoparticles loaded on graphene oxide-dispersed carbon nanotubes with enhanced peroxidase-like catalysis and electrocatalysis. *Journal of Materials Chemistry B*, **2014**, 2, 4442-4448	7.3	91
6	Rapid, selective, and ultrasensitive fluorimetric analysis of mercury and copper levels in blood using bimetallic gold-silver nanoclusters with "silver effect"-enhanced red fluorescence. *Analytical Chemistry*, **2014**, 86, 11714-21	7.8	173
5	A phosphorylation-sensitive tyrosine-tailored magnetic particle for electrochemically probing free organophosphates in blood. *Analyst, The*, **2014**, 139, 5466-71	5	9
4	Lab-on-a-drop: biocompatible fluorescent nanoprobes of gold nanoclusters for label-free evaluation of phosphorylation-induced inhibition of acetylcholinesterase activity towards the ultrasensitive detection of pesticide residues. *Analyst, The*, **2014**, 139, 4620-8	5	42
3	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. *Chemical Communications*, **2014**, 50, 9196-9	5.8	71
2	Ultrasensitive electroanalysis of low-level free microRNAs in blood by maximum signal amplification of catalytic silver deposition using alkaline phosphatase-incorporated gold nanoclusters. *Analytical Chemistry*, **2014**, 86, 10406-14	7.8	89
1	Platinum nanocatalysts loaded on graphene oxide-dispersed carbon nanotubes with greatly enhanced peroxidase-like catalysis and electrocatalysis activities. *Nanoscale*, **2014**, 6, 8107-16	7.7	92