

Shihai Cao

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

548
citations

933447

10
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

735
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfur-doped g-C ₃ N ₄ nanosheets with carbon vacancies: General synthesis and improved activity for simulated solar-light photocatalytic nitrogen fixation. <i>Chemical Engineering Journal</i> , 2018, 353, 147-156.	12.7	300
2	Metal-free 2D/2D heterojunction of covalent triazine-based frameworks/graphitic carbon nitride with enhanced interfacial charge separation for highly efficient photocatalytic elimination of antibiotic pollutants. <i>Journal of Hazardous Materials</i> , 2020, 391, 122204.	12.4	54
3	Construction of Acetaldehyde-Modified g-C ₃ N ₄ Ultrathin Nanosheets via Ethylene Glycol-Assisted Liquid Exfoliation for Selective Fluorescence Sensing of Ag ⁺ . <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44624-44633.	8.0	37
4	Graphitic carbon nitride grown in situ on aldehyde-functionalized γ -Fe ₂ O ₃ : All-solid-state Z-scheme heterojunction for remarkable improvement of photo-oxidation activity. <i>Journal of Colloid and Interface Science</i> , 2019, 548, 284-292.	9.4	29
5	Enhanced photocatalytic disinfection of Escherichia coli K-12 by porous g-C ₃ N ₄ nanosheets: Combined effect of photo-generated and intracellular ROSs. <i>Chemosphere</i> , 2019, 235, 1116-1124.	8.2	28
6	Preparation of nitrogen-containing carbon using a one-step thermal polymerization method for activation of peroxymonosulfate to degrade bisphenol A. <i>Chemosphere</i> , 2020, 248, 126053.	8.2	23
7	Well-designed oxidized Sb/g-C ₃ N ₄ 2D/2D nanosheets heterojunction with enhanced visible-light photocatalytic disinfection activity. <i>Journal of Colloid and Interface Science</i> , 2022, 606, 1284-1298.	9.4	21
8	Electrocatalytic performance of Sb-modified Bi ₂ FeO ₄ for nitrogen fixation. <i>Journal of Colloid and Interface Science</i> , 2021, 593, 335-344.	9.4	16
9	Defect Regulating of Few-Layer Antimonene from Acid-Assisted Exfoliation for Enhanced Electrocatalytic Nitrogen Fixation. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 40618-40628.	8.0	14
10	Efficient visible light driven degradation of antibiotic pollutants by oxygen-doped graphitic carbon nitride via the homogeneous supramolecular assembly of urea. <i>Environmental Research</i> , 2022, 210, 112920.	7.5	14
11	Macroscopic urea-functionalized cadmium sulfide material with high visible-light photocatalytic activity for rewritable paper application. <i>Journal of Colloid and Interface Science</i> , 2017, 500, 202-211.	9.4	7
12	S-Doped Sb ₂ O ₃ Nanorods for Electrocatalytic Nitrogen Reduction. <i>ACS Applied Nano Materials</i> , 2022, 5, 3591-3598.	5.0	5