

Hai-Lei Cao

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,390
citations

430874

18
h-index

526287

27
g-index

27
all docs

27
docs citations

27
times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological impact of lead from halide perovskites reveals the risk of introducing a safe threshold. <i>Nature Communications</i> , 2020, 11, 310.	12.8	313
2	Photocatalytic Degradation of Tetracycline Antibiotics over CdS/Nitrogen-Doped Carbon Composites Derived from in Situ Carbonization of Metal-Organic Frameworks. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 10847-10854.	6.7	159
3	Ultrafine Silver Nanoparticles Supported on a Conjugated Microporous Polymer as High-Performance Nanocatalysts for Nitrophenol Reduction. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 5231-5236.	8.0	110
4	Amino-functionalized biomass-derived porous carbons with enhanced aqueous adsorption affinity and sensitivity of sulfonamide antibiotics. <i>Bioresource Technology</i> , 2019, 277, 128-135.	9.6	87
5	In situ immobilization of ultra-fine Ag NPs onto magnetic Ag@RF@Fe ₃ O ₄ core-satellite nanocomposites for the rapid catalytic reduction of nitrophenols. <i>Water Research</i> , 2020, 179, 115882.	11.3	87
6	Lotus-Leaf-Derived Activated-Carbon-Supported Nano-CdS as Energy-Efficient Photocatalysts under Visible Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 7871-7879.	6.7	81
7	CdZnS nanorods with rich sulphur vacancies for highly efficient photocatalytic hydrogen production. <i>Chemical Communications</i> , 2020, 56, 7765-7768.	4.1	67
8	Impacts of temperatures and phosphoric-acid modification to the physicochemical properties of biochar for excellent sulfadiazine adsorption. <i>Biochar</i> , 2022, 4, 1.	12.6	55
9	Degradation of remazol golden yellow dye wastewater in microwave enhanced ClO ₂ catalytic oxidation process. <i>Journal of Hazardous Materials</i> , 2009, 168, 895-900.	12.4	54
10	Engineering cation defect-mediated Z-scheme photocatalysts for a highly efficient and stable photocatalytic hydrogen production. <i>Journal of Materials Chemistry A</i> , 2021, 9, 7759-7766.	10.3	54
11	Photodegradation of Rhodamine B over Biomass-Derived Activated Carbon Supported CdS Nanomaterials under Visible Irradiation. <i>Frontiers in Chemistry</i> , 2017, 5, 123.	3.6	45
12	Unveiling the visible-light-driven photodegradation pathway and products toxicity of tetracycline in the system of Pt/BiVO ₄ nanosheets. <i>Journal of Hazardous Materials</i> , 2022, 424, 127596.	12.4	35
13	One-Step Carbothermal Synthesis of Robust CdS@BPC Photocatalysts in the Presence of Biomass Porous Carbons. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 16835-16842.	6.7	31
14	Localized surface plasmon resonance enhanced visible-light-driven CO ₂ photoreduction in Cu nanoparticle loaded ZnInS solid solutions. <i>Nanoscale</i> , 2020, 12, 15169-15174.	5.6	30
15	Two-Component Pharmaceutical Cocrystals Regulated by Supramolecular Synthons Comprising Primary N-H...H...O Interactions. <i>Crystal Growth and Design</i> , 2019, 19, 3-16.	3.0	24
16	Microwave-assisted preparation of polylactide/organomontmorillonite nanocomposites via in situ polymerization. <i>Journal of Applied Polymer Science</i> , 2010, 115, 1468-1473.	2.6	22
17	Polyoxometalate-cucurbituril molecular solid as photocatalyst for dye degradation under visible light. <i>Inorganic Chemistry Communication</i> , 2017, 84, 164-167.	3.9	20
18	Morphological control of CdS@AC nanocomposites for enhanced photocatalytic degradation of tetracycline antibiotics under visible irradiation. <i>Inorganic Chemistry Communication</i> , 2018, 95, 134-138.	3.9	19

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19	Microwave-Enhanced Fenton Process for DMSO-Containing Wastewater. <i>Environmental Engineering Science</i> , 2010, 27, 271-280.	1.6	18
20	Microwave enhanced chemical reduction process for nitrite-containing wastewater treatment using sulfamic acid. <i>Journal of Environmental Sciences</i> , 2010, 22, 56-61.	6.1	17
21	Microwave-Assisted Synthesis of Poly(L-lactic acid) via Direct Melt Polycondensation Using Solid Superacids. <i>Macromolecular Chemistry and Physics</i> , 2009, 210, 2058-2062.	2.2	15
22	Microwave-induced decontamination of mercury polluted soils at low temperature assisted with granular activated carbon. <i>Chemical Engineering Journal</i> , 2018, 351, 1067-1075.	12.7	12
23	Porous Graphitic Biomass Carbons as Sustainable Adsorption and Controlled Release Carriers for Atrazine Fixation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 20180-20189.	6.7	12
24	Mixed phase nano-CdS supported on activated biomass carbon as efficient visible light-driven photocatalysts. <i>Environmental Science and Pollution Research</i> , 2019, 26, 31055-31061.	5.3	9
25	Synthesis of Metal-Organic Framework Materials by Reflux: A Faster and Greener Pathway to Achieve Super-Hydrophobicity and Photocatalytic Application. <i>Crystal Growth and Design</i> , 2018, 18, 6609-6616.	3.0	7
26	Structural and topological regulation on cobalt coordination polymers with mixed ligands. <i>Inorganic Chemistry Communication</i> , 2017, 85, 5-8.	3.9	4
27	Assessment of tea garden soils at An'xi County in southeast China reveals a mild threat from contamination of potentially harmful elements. <i>Royal Society Open Science</i> , 2018, 5, 180050.	2.4	3