

Guoguang Liu

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78
papers

3,360
citations

31
h-index

57
g-index

85
ext. papers

4,431
ext. citations

9.8
avg, IF

5.68
L-index

#	Paper	IF	Citations
78	Construction of carbon dots modified MoO ₃ /g-C ₃ N ₄ Z-scheme photocatalyst with enhanced visible-light photocatalytic activity for the degradation of tetracycline. <i>Applied Catalysis B: Environmental</i> , 2018 , 229, 96-104	21.8	423
77	Facile synthesis of N-doped carbon dots/g-C ₃ N ₄ photocatalyst with enhanced visible-light photocatalytic activity for the degradation of indomethacin. <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 103-113	21.8	342
76	Novel ternary photocatalyst of single atom-dispersed silver and carbon quantum dots co-loaded with ultrathin g-C ₃ N ₄ for broad spectrum photocatalytic degradation of naproxen. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 510-520	21.8	304
75	Photocatalytic degradation of fluoroquinolone antibiotics using ordered mesoporous g-C ₃ N ₄ under simulated sunlight irradiation: Kinetics, mechanism, and antibacterial activity elimination. <i>Applied Catalysis B: Environmental</i> , 2018 , 227, 114-122	21.8	183
74	Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO ₂ /carbon dots photocatalyst: The significant roles of reactive oxygen species. <i>Applied Catalysis B: Environmental</i> , 2017 , 204, 250-259	21.8	178
73	An efficient metal-free phosphorus and oxygen co-doped g-C ₃ N ₄ photocatalyst with enhanced visible light photocatalytic activity for the degradation of fluoroquinolone antibiotics. <i>Chemical Engineering Journal</i> , 2019 , 374, 242-253	14.7	119
72	Degradation of indometacin by simulated sunlight activated CDs-loaded BiPO ₄ photocatalyst: Roles of oxidative species. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 129-139	21.8	103
71	Degradation of ketoprofen by sulfate radical-based advanced oxidation processes: Kinetics, mechanisms, and effects of natural water matrices. <i>Chemosphere</i> , 2017 , 189, 643-651	8.4	81
70	Decoration of TiO ₂ /g-C ₃ N ₄ Z-scheme by carbon dots as a novel photocatalyst with improved visible-light photocatalytic performance for the degradation of enrofloxacin. <i>RSC Advances</i> , 2017 , 7, 34096-34103	3.7	80
69	Synthesis of a carbon dots modified g-CN/SnO Z-scheme photocatalyst with superior photocatalytic activity for PPCPs degradation under visible light irradiation. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123257	12.8	69
68	Highly active metal-free carbon dots/g-CN hollow porous nanospheres for solar-light-driven PPCPs remediation: Mechanism insights, kinetics and effects of natural water matrices. <i>Water Research</i> , 2020 , 172, 115492	12.5	67
67	Photocatalytic degradation of clofibric acid by g-CN/P25 composites under simulated sunlight irradiation: The significant effects of reactive species. <i>Chemosphere</i> , 2017 , 172, 193-200	8.4	66
66	Study on heterogeneous photocatalytic ozonation degradation of ciprofloxacin by TiO/carbon dots: Kinetic, mechanism and pathway investigation. <i>Chemosphere</i> , 2019 , 227, 198-206	8.4	57
65	Photocatalytic degradation and removal mechanism of ibuprofen via monoclinic BiVO ₄ under simulated solar light. <i>Chemosphere</i> , 2016 , 150, 139-144	8.4	57
64	One-step synthesis of phosphorus/oxygen co-doped g-CN/anatase TiO Z-scheme photocatalyst for significantly enhanced visible-light photocatalysis degradation of enrofloxacin. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121634	12.8	55
63	Carbon nitride modified hexagonal boron nitride interface as highly efficient blue LED light-driven photocatalyst. <i>Applied Catalysis B: Environmental</i> , 2018 , 238, 410-421	21.8	53
62	Oxidation of diclofenac by aqueous chlorine dioxide: identification of major disinfection byproducts and toxicity evaluation. <i>Science of the Total Environment</i> , 2014 , 473-474, 437-45	10.2	52

61	Activation of peroxymonosulfate by Fe doped g-CN /graphene under visible light irradiation for Trimethoprim degradation. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121435	12.8	50
60	Facile synthesis of acid-modified UiO-66 to enhance the removal of Cr(VI) from aqueous solutions. <i>Science of the Total Environment</i> , 2019 , 682, 118-127	10.2	47
59	Degradation of the flame retardant triphenyl phosphate by ferrous ion-activated hydrogen peroxide and persulfate: Kinetics, pathways, and mechanisms. <i>Chemical Engineering Journal</i> , 2019 , 361, 929-936	14.7	47
58	Degradation of triphenyl phosphate (TPHP) by CoFeO-activated peroxymonosulfate oxidation process: Kinetics, pathways, and mechanisms. <i>Science of the Total Environment</i> , 2019 , 681, 331-338	10.2	44
57	Degradation of propranolol by UV-activated persulfate oxidation: Reaction kinetics, mechanisms, reactive sites, transformation pathways and Gaussian calculation. <i>Science of the Total Environment</i> , 2019 , 690, 878-890	10.2	42
56	A novel synthetic carbon and oxygen doped stalactite-like g-CN for broad-spectrum-driven indometacin degradation. <i>Journal of Hazardous Materials</i> , 2020 , 386, 121961	12.8	38
55	Template-free synthesis of oxygen-containing ultrathin porous carbon quantum dots/g-C ₃ N ₄ with superior photocatalytic activity for PPCPs remediation. <i>Environmental Science: Nano</i> , 2019 , 6, 2565-2576	7.1	37
54	A photocatalytic degradation strategy of PPCPs by a heptazine-based CN organic polymer (OCN) under visible light. <i>Environmental Science: Nano</i> , 2018 , 5, 2325-2336	7.1	37
53	Removal of pharmaceuticals and personal care products (PPCPs) from water and wastewater using novel sulfonic acid (SO ₃ H) functionalized covalent organic frameworks. <i>Environmental Science: Nano</i> , 2019 , 6, 3374-3387	7.1	37
52	Fabrication of plate-on-plate Z-scheme SnS ₂ /Bi ₂ MoO ₆ heterojunction photocatalysts with enhanced photocatalytic activity. <i>Journal of Materials Science</i> , 2018 , 53, 10743-10757	4.3	36
51	Insights into the synergetic mechanism of a combined vis-RGO/TiO ₂ /peroxodisulfate system for the degradation of PPCPs: Kinetics, environmental factors and products. <i>Chemosphere</i> , 2019 , 216, 341-351	8.4	34
50	Investigation of the interaction between the fate of antibiotics in aquafarms and their level in the environment. <i>Journal of Environmental Management</i> , 2018 , 207, 219-229	7.9	33
49	A sulfate radical based ferrous peroxydisulfate oxidative system for indomethacin degradation in aqueous solutions. <i>RSC Advances</i> , 2017 , 7, 22802-22809	3.7	31
48	Ultrathin AgWO ₃ -coated P-doped g-CN nanosheets with remarkable photocatalytic performance for indomethacin degradation. <i>Journal of Hazardous Materials</i> , 2020 , 392, 122355	12.8	31
47	Accelerated photocatalytic degradation of quinolone antibiotics over Z-scheme MoO ₃ /g-C ₃ N ₄ heterostructure by peroxydisulfate under visible light irradiation: Mechanism; kinetic; and products. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 104, 250-259	5.3	31
46	Oxidation of diclofenac by potassium ferrate (VI): reaction kinetics and toxicity evaluation. <i>Science of the Total Environment</i> , 2015 , 506-507, 252-8	10.2	29
45	Water soluble and insoluble components of PM and their functional cardiotoxicities on neonatal rat cardiomyocytes in vitro. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 168, 378-387	7	28
44	Contamination and risk profiles of triclosan and triclocarban in sediments from a less urbanized region in China. <i>Journal of Hazardous Materials</i> , 2018 , 357, 376-383	12.8	26

43	Heteroaggregation and sedimentation of graphene oxide with hematite colloids: Influence of water constituents and impact on tetracycline adsorption. <i>Science of the Total Environment</i> , 2019 , 647, 708-715	10.2	24
42	Dual metal-free polymer reactive sites for the efficient degradation of diclofenac by visible light-driven oxygen reduction to superoxide radical and hydrogen peroxide. <i>Environmental Science: Nano</i> , 2019 , 6, 2577-2590	7.1	22
41	Defect-modified reduced graphitic carbon nitride (RCN) enhanced oxidation performance for photocatalytic degradation of diclofenac. <i>Chemosphere</i> , 2020 , 258, 127343	8.4	22
40	Phosphate-modified m-BiO enhances the absorption and photocatalytic activities of sulfonamide: Mechanism, reactive species, and reactive sites. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121443	12.8	19
39	Chemical identity and cardiovascular toxicity of hydrophobic organic components in PM. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 201, 110827	7	17
38	Remediation of Cd(II)-contaminated soil via humin-enhanced electrokinetic technology. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 3430-3436	5.1	16
37	Photodegradation of gemfibrozil in aqueous solution under UV irradiation: kinetics, mechanism, toxicity, and degradation pathways. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 14294-306	5.1	16
36	Experimental and theoretical investigation on photodegradation mechanisms of naproxen and its photoproducts. <i>Chemosphere</i> , 2019 , 227, 142-150	8.4	15
35	Analysis of azole fungicides in fish muscle tissues: Multi-factor optimization and application to environmental samples. <i>Journal of Hazardous Materials</i> , 2017 , 324, 535-543	12.8	15
34	Thermo-activated peroxydisulfate oxidation of indomethacin: Kinetics study and influences of co-existing substances. <i>Chemosphere</i> , 2018 , 212, 1067-1075	8.4	15
33	In-situ stabilizing surface oxygen vacancies of TiO ₂ nanowire array photoelectrode by N-doped carbon dots for enhanced photoelectrocatalytic activities under visible light. <i>Journal of Catalysis</i> , 2020 , 382, 212-227	7.3	14
32	Integration of oxygen vacancies into BiOI via a facile alkaline earth ion-doping strategy for the enhanced photocatalytic performance toward indometacin remediation. <i>Journal of Hazardous Materials</i> , 2021 , 412, 125147	12.8	14
31	Evaluation and optimization of sample pretreatment for GC/MS-based metabolomics in embryonic zebrafish. <i>Talanta</i> , 2020 , 207, 120260	6.2	14
30	Enhanced Cu(II)-mediated fenton-like oxidation of antimicrobials in bicarbonate aqueous solution: Kinetics, mechanism and toxicity evaluation. <i>Environmental Pollution</i> , 2019 , 252, 1933-1941	9.3	13
29	Analysis of transcriptional response in zebrafish eleutheroembryos exposed to climbazole: Signaling pathways and potential biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 794-805 ^{3.8}	3.8	13
28	Photocatalyst with a metal-free electron-hole pair double transfer mechanism for pharmaceutical and personal care product degradation. <i>Environmental Science: Nano</i> , 2019 , 6, 3292-3306	7.1	12
27	Efficient removal of triclosan via peroxymonosulfate activated by a ppb level dosage of Co(II) in water: Reaction kinetics, mechanisms and detoxification. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 198, 110676	7	11
26	Smart Removal of Dye Pollutants via Dark Adsorption and Light Desorption at Recyclable BiOCO Nanosheets Interface. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 20490-20499	9.5	11

25	One-Step Synthesis of Hierarchical Flower-like SnO/BiO ₂ COOH Microspheres with Enhanced Light Response for the Removal of Pollutants. <i>Langmuir</i> , 2020 , 36, 9005-9013	4	10
24	Effect of halide ions on the photodegradation of ibuprofen in aqueous environments. <i>Chemosphere</i> , 2017 , 166, 412-417	8.4	10
23	Impact of Humic Acid on Soil Adsorption and Remediation of Cd(II), Pb(II), and Cu(II). <i>Soil and Sediment Contamination</i> , 2016 , 25, 700-715	3.2	10
22	FeO-assisted laser desorption/ionization mass spectrometry for typical metabolite analysis and localization: Influencing factors, mechanisms, and environmental applications. <i>Journal of Hazardous Materials</i> , 2020 , 388, 121817	12.8	9
21	Oxidation of indometacin by ferrate (VI): kinetics, degradation pathways, and toxicity assessment. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 10786-10795	5.1	8
20	Enhanced bioelectricity generation and azo dye treatment in a reversible photo-bioelectrochemical cell by using novel anthraquinone-2,6-disulfonate (AQDS)/MnO ₂ -doped polypyrrole film electrodes. <i>Bioresource Technology</i> , 2017 , 225, 40-47	11	8
19	Aquatic photodegradation of clofibric acid under simulated sunlight irradiation: kinetics and mechanism analysis. <i>RSC Advances</i> , 2018 , 8, 27796-27804	3.7	8
18	Superhigh co-adsorption of tetracycline and copper by the ultrathin g-CN modified graphene oxide hydrogels. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127362	12.8	8
17	Photochemical transformation of CN under UV irradiation: Implications for environmental fate and photocatalytic activity. <i>Journal of Hazardous Materials</i> , 2020 , 394, 122557	12.8	7
16	Photocatalytic transformation of clombazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxydisulfate. <i>Environmental Science: Nano</i> , 2019 , 6, 2986-2999	7.1	7
15	UV-Induced Photodegradation of Naproxen Using a Nano FeOOH Composite: Degradation Kinetics and Photocatalytic Mechanism. <i>Frontiers in Chemistry</i> , 2019 , 7, 847	5	6
14	Construction of double-functionalized g-CN heterojunction structure via optimized charge transfer for the synergistically enhanced photocatalytic degradation of sulfonamides and H ₂ O ₂ production. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126868	12.8	6
13	Ozonation of ketoprofen with nitrate in aquatic environments: kinetics, pathways, and toxicity. <i>RSC Advances</i> , 2018 , 8, 10541-10548	3.7	5
12	Interaction of graphene oxide with artificial cell membranes: Role of anionic phospholipid and cholesterol in nanoparticle attachment and membrane disruption. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 202, 111685	6	4
11	Oxidative treatment of diclofenac via ferrate(VI) in aqueous media: effect of surfactant additives. <i>Water Science and Technology</i> , 2017 , 75, 1342-1350	2.2	3
10	GC-MS/MS analysis for source identification of emerging POPs in PM. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 193, 110368	7	3
9	Plasmonic Ag nanoparticles decorated copper-phenylacetylide polymer for visible-light-driven photocatalytic reduction of Cr(VI) and degradation of PPCPs: Performance, kinetics, and mechanism. <i>Journal of Hazardous Materials</i> , 2021 , 425, 127599	12.8	3
8	A novel visible light controllable adsorption-desorption system with a magnetic recyclable adsorbent. <i>Science of the Total Environment</i> , 2020 , 707, 136025	10.2	3

7	Transformation of atenolol by a laccase-mediator system: Efficiencies, effect of water constituents, and transformation pathways. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 183, 109555	7	2
6	Removal of lead ions by two FeMn oxide substrate adsorbents. <i>Science of the Total Environment</i> , 2021 , 773, 145670	10.2	2
5	One-step synthesis of carbon nitride nanobelts for the enhanced photocatalytic degradation of organic pollutants through peroxydisulfate activation. <i>Environmental Science: Nano</i> , 2021 , 8, 245-257	7.1	2
4	Effective stabilization of atomic hydrogen by Pd nanoparticles for rapid hexavalent chromium reduction and synchronous bisphenol A oxidation during the photoelectrocatalytic process. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126974	12.8	2
3	The bioavailability of the heavy metals in the surface sediment from Pearl River Guangzhou Section 2011 ,		1
2	Synchronous construction of a porous intramolecular D-A conjugated polymer via electron donors for superior photocatalytic decontamination. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127379	12.8	1
1	Activation of peracetic acid via CoO with double-layered hollow structures for the highly efficient removal of sulfonamides: Kinetics insights and assessment of practical applications.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128579	12.8	0