

Guoguang Liu

List of Publications by Year in Descending Order

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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.

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 | 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 |
| 77 | 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 |
| 76 | Construction of double-functionalized g-CN heterojunction structure via optimized charge transfer for the synergistically enhanced photocatalytic degradation of sulfonamides and HO ₂ production. <i>Journal of Hazardous Materials</i> , 2022 , 422, 126868 | 12.8 | 6 |
| 75 | 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 |
| 74 | 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 |
| 73 | 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 |
| 72 | 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 |
| 71 | 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 |
| 70 | Removal of lead ions by two FeMn oxide substrate adsorbents. <i>Science of the Total Environment</i> , 2021 , 773, 145670 | 10.2 | 2 |
| 69 | Synthesis of a carbon dots modified g-CN/SnO ₂ 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 | 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 |
| 67 | 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 |
| 66 | Defect-modified reduced graphitic carbon nitride (RCN) enhanced oxidation performance for photocatalytic degradation of diclofenac. <i>Chemosphere</i> , 2020 , 258, 127343 | 8.4 | 22 |
| 65 | Chemical identity and cardiovascular toxicity of hydrophobic organic components in PM. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 201, 110827 | 7 | 17 |
| 64 | One-Step Synthesis of Hierarchical Flower-like SnO ₂ /BiO ₂ COOH Microspheres with Enhanced Light Response for the Removal of Pollutants. <i>Langmuir</i> , 2020 , 36, 9005-9013 | 4 | 10 |
| 63 | 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 |
| 62 | GC-MS/MS analysis for source identification of emerging POPs in PM. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 193, 110368 | 7 | 3 |

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| 61 | 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 |
| 60 | 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 |
| 59 | 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 |
| 58 | 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 |
| 57 | 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 |
| 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 | 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 |
| 54 | 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 |
| 53 | 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 |
| 52 | Evaluation and optimization of sample pretreatment for GC/MS-based metabolomics in embryonic zebrafish. <i>Talanta</i> , 2020 , 207, 120260 | 6.2 | 14 |
| 51 | 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 |
| 50 | 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 |
| 49 | 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 |
| 48 | 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 |
| 47 | 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 |
| 46 | 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} | 7.1 | 37 |
| 45 | 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 |
| 44 | 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 |

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| 43 | Study on heterogeneous photocatalytic ozonation degradation of ciprofloxacin by TiO ₂ /carbon dots: Kinetic, mechanism and pathway investigation. <i>Chemosphere</i> , 2019 , 227, 198-206 | 8.4 | 57 |
| 42 | Experimental and theoretical investigation on photodegradation mechanisms of naproxen and its photoproducts. <i>Chemosphere</i> , 2019 , 227, 142-150 | 8.4 | 15 |
| 41 | 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 |
| 40 | Photocatalytic transformation of clmbazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxymonosulfate. <i>Environmental Science: Nano</i> , 2019 , 6, 2986-2999 | 7.1 | 7 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | 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 |
| 33 | Analysis of transcriptional response in zebrafish eleutheroembryos exposed to clmbazole: Signaling pathways and potential biomarkers. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 794-805 ^{3.8} | 3.8 | 13 |
| 32 | 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 |
| 31 | 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 |
| 30 | 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 |
| 29 | 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 |
| 28 | 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 |
| 27 | Ozonation of ketoprofen with nitrate in aquatic environments: kinetics, pathways, and toxicity.. <i>RSC Advances</i> , 2018 , 8, 10541-10548 | 3.7 | 5 |
| 26 | 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 |

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| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | Aquatic photodegradation of clofibrac acid under simulated sunlight irradiation: kinetics and mechanism analysis. <i>RSC Advances</i> , 2018 , 8, 27796-27804 | 3.7 | 8 |
| 21 | 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 |
| 20 | 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 |
| 19 | Thermo-activated peroxydisulfate oxidation of indomethacin: Kinetics study and influences of co-existing substances. <i>Chemosphere</i> , 2018 , 212, 1067-1075 | 8.4 | 15 |
| 18 | Photocatalytic degradation of clofibrac 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | Enhanced bioelectricity generation and azo dye treatment in a reversible photo-bioelectrochemical cell by using novel anthraquinone-2,6-disulfonate (AQDS)/MnO-doped polypyrrole film electrodes. <i>Bioresource Technology</i> , 2017 , 225, 40-47 | 11 | 8 |
| 12 | 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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |
| 8 | Effect of halide ions on the photodegradation of ibuprofen in aqueous environments. <i>Chemosphere</i> , 2017 , 166, 412-417 | 8.4 | 10 |

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| 7 | 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 |
| 6 | 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 |
| 5 | Impact of Humin 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 |
| 4 | 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 |
| 3 | 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 |
| 2 | 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 |
| 1 | The bioavailability of the heavy metals in the surface sediment from Pearl River Guangzhou Section 2011 , | | 1 |