Ruobai Li

List of Publications by Citations

66	3,329	31	57
papers	citations	h-index	g-index
67	4,327	9.6	5.57
ext. papers	ext. citations	avg, IF	L-index

#	Paper	IF	Citations
66	Construction of carbon dots modified MoO3/g-C3N4 Z-scheme photocatalyst with enhanced visible-light photocatalytic activity for the degradation of tetracycline. *Applied Catalysis B: Environmental*, **2018**, 229, 96-104	21.8	423
65	Facile synthesis of N-doped carbon dots/g-C3N4 photocatalyst with enhanced visible-light photocatalytic activity for the degradation of indomethacin. *Applied Catalysis B: Environmental*, **2017**, 207, 103-113	21.8	342
64	Novel ternary photocatalyst of single atom-dispersed silver and carbon quantum dots co-loaded with ultrathin g-C3N4 for broad spectrum photocatalytic degradation of naproxen. *Applied Catalysis B: Environmental*, **2018**, 221, 510-520	21.8	304
63	Photocatalytic degradation of fluoroquinolone antibiotics using ordered mesoporous g-C3N4 under simulated sunlight irradiation: Kinetics, mechanism, and antibacterial activity elimination. *Applied Catalysis B: Environmental*, **2018**, 227, 114-122	21.8	183
62	Study on the photocatalytic mechanism and detoxicity of gemfibrozil by a sunlight-driven TiO2/carbon dots photocatalyst: The significant roles of reactive oxygen species. *Applied Catalysis B: Environmental*, **2017**, 204, 250-259	21.8	178
61	An efficient metal-free phosphorus and oxygen co-doped g-C3N4 photocatalyst with enhanced visible light photocatalytic activity for the degradation of fluoroquinolone antibiotics. *Chemical Engineering Journal*, **2019**, 374, 242-253	14.7	119
60	Degradation of indometacin by simulated sunlight activated CDs-loaded BiPO4 photocatalyst: Roles of oxidative species. *Applied Catalysis B: Environmental*, **2018**, 221, 129-139	21.8	103
59	Construction of novel Z-scheme nitrogen-doped carbon dots/{0 0 1} TiO2 nanosheet photocatalysts for broad-spectrum-driven diclofenac degradation: Mechanism insight, products and effects of natural water matrices. *Chemical Engineering Journal*, **2019**, 356, 857-868	14.7	85
58	Degradation of ketoprofen by sulfate radical-based advanced oxidation processes: Kinetics, mechanisms, and effects of natural water matrices. *Chemosphere*, **2017**, 189, 643-651	8.4	81
57	Decoration of TiO2/g-C3N4 Z-scheme by carbon dots as a novel photocatalyst with improved visible-light photocatalytic performance for the degradation of enrofloxacin. *RSC Advances*, **2017**, 7, 34096-34103	3.7	80
56	Accelerated photocatalytic degradation of diclofenac by a novel CQDs/BiOCOOH hybrid material under visible-light irradiation: Dechloridation, detoxicity, and a new superoxide radical model study. *Chemical Engineering Journal*, **2018**, 332, 737-748	14.7	76
55	Synthesis of a carbon dots modified g-CN/SnO Z-scheme photocatalyst with superior photocatalytic activity for PPCPs degradation under visible light irradiation. *Journal of Hazardous Materials*, **2021**, 401, 123257	12.8	69
54	Diclofenac photodegradation under simulated sunlight: Effect of different forms of nitrogen and kinetics. *Journal of Hazardous Materials*, **2011**, 192, 411-8	12.8	68
53	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. *Water Research*, **2020**, 172, 115492	12.5	67
52	Photocatalytic degradation of clofibric acid by g-CN/P25 composites under simulated sunlight irradiation: The significant effects of reactive species. *Chemosphere*, **2017**, 172, 193-200	8.4	66
51	Study on heterogeneous photocatalytic ozonation degradation of ciprofloxacin by TiO/carbon dots: Kinetic, mechanism and pathway investigation. *Chemosphere*, **2019**, 227, 198-206	8.4	57
50	One-step synthesis of phosphorus/oxygen co-doped g-CN/anatase TiO Z-scheme photocatalyst for significantly enhanced visible-light photocatalysis degradation of enrofloxacin. *Journal of Hazardous Materials*, **2020**, 386, 121634	12.8	55

49	Carbon nitride modified hexagonal boron nitride interface as highly efficient blue LED light-driven photocatalyst. *Applied Catalysis B: Environmental*, **2018**, 238, 410-421	21.8	53
48	The preparation of Zn2+-doped TiO(2) nanoparticles by sol-gel and solid phase reaction methods respectively and their photocatalytic activities. *Chemosphere*, **2005**, 59, 1367-71	8.4	53
47	The facile synthesis of a single atom-dispersed silver-modified ultrathin g-CN hybrid for the enhanced visible-light photocatalytic degradation of sulfamethazine with peroxymonosulfate. *Dalton Transactions*, **2018**, 47, 6924-6933	4.3	52
46	Activation of peroxymonosulfate by Fe doped g-CN /graphene under visible light irradiation for Trimethoprim degradation. *Journal of Hazardous Materials*, **2020**, 384, 121435	12.8	50
45	Facile synthesis of carbon quantum dots loaded with mesoporous g-CN for synergistic absorption and visible light photodegradation of fluoroquinolone antibiotics. *Dalton Transactions*, **2018**, 47, 1284-1293	4.3	49
44	Degradation of propranolol by UV-activated persulfate oxidation: Reaction kinetics, mechanisms, reactive sites, transformation pathways and Gaussian calculation. *Science of the Total Environment*, **2019**, 690, 878-890	10.2	42
43	A novel synthetic carbon and oxygen doped stalactite-like g-CN for broad-spectrum-driven indometacin degradation. *Journal of Hazardous Materials*, **2020**, 386, 121961	12.8	38
42	Template-free synthesis of oxygen-containing ultrathin porous carbon quantum dots/g-C3N4 with superior photocatalytic activity for PPCPs remediation. *Environmental Science: Nano*, **2019**, 6, 2565-2576	7.1	37
41	A photocatalytic degradation strategy of PPCPs by a heptazine-based CN organic polymer (OCN) under visible light. *Environmental Science: Nano*, **2018**, 5, 2325-2336	7.1	37
40	Removal of pharmaceuticals and personal care products (PPCPs) from water and wastewater using novel sulfonic acid (□O3H) functionalized covalent organic frameworks. *Environmental Science: Nano*, **2019**, 6, 3374-3387	7.1	37
39	Insights into the synergetic mechanism of a combined vis-RGO/TiO/peroxodisulfate system for the degradation of PPCPs: Kinetics, environmental factors and products. *Chemosphere*, **2019**, 216, 341-351	8.4	34
38	A sulfate radical based ferrous□peroxydisulfate oxidative system for indomethacin degradation in aqueous solutions. *RSC Advances*, **2017**, 7, 22802-22809	3.7	31
37	Ultrathin AgWO-coated P-doped g-CN nanosheets with remarkable photocatalytic performance for indomethacin degradation. *Journal of Hazardous Materials*, **2020**, 392, 122355	12.8	31
36	Accelerated photocatalytic degradation of quinolone antibiotics over Z-scheme MoO3/g-C3N4 heterostructure by peroxydisulfate under visible light irradiation: Mechanism; kinetic; and products. *Journal of the Taiwan Institute of Chemical Engineers*, **2019**, 104, 250-259	5.3	31
35	Removal of indomethacin using UV□is/peroxydisulfate: Kinetics, toxicity, and transformation pathways. *Chemical Engineering Journal*, **2018**, 331, 809-817	14.7	30
34	Phototransformation of mefenamic acid induced by nitrite ions in water: mechanism, toxicity, and degradation pathways. *Environmental Science and Pollution Research*, **2015**, 22, 12585-96	5.1	29
33	Simultaneous chromate reduction and azo dye decolourization by Lactobacillus paracase CL1107 isolated from deep sea sediment. *Journal of Environmental Management*, **2015**, 157, 297-302	7.9	29
32	Photodegradation of naproxen in water under simulated solar radiation: mechanism, kinetics, and toxicity variation. *Environmental Science and Pollution Research*, **2014**, 21, 7797-804	5.1	23

31	Dual metal-free polymer reactive sites for the efficient degradation of diclofenac by visible light-driven oxygen reduction to superoxide radical and hydrogen peroxide. *Environmental Science: Nano*, **2019**, 6, 2577-2590	7.1	22
30	Defect-modified reduced graphitic carbon nitride (RCN) enhanced oxidation performance for photocatalytic degradation of diclofenac. *Chemosphere*, **2020**, 258, 127343	8.4	22
29	Isolation of a Novel Heterotrophic Nitrification Aerobic Denitrification Bacterium Serratia marcescens CL1502 from Deep-Sea Sediment. *Environmental Engineering Science*, **2017**, 34, 453-459	2	19
28	Sulfate radical-induced transformation of trimethoprim with CuFeO/MWCNTs as a heterogeneous catalyst of peroxymonosulfate: mechanisms and reaction pathways.. *RSC Advances*, **2018**, 8, 24787-24795	3.7	19
27	Phosphate-modified m-BiO enhances the absorption and photocatalytic activities of sulfonamide: Mechanism, reactive species, and reactive sites. *Journal of Hazardous Materials*, **2020**, 384, 121443	12.8	19
26	Photodegradation of gemfibrozil in aqueous solution under UV irradiation: kinetics, mechanism, toxicity, and degradation pathways. *Environmental Science and Pollution Research*, **2016**, 23, 14294-306	5.1	16
25	Experimental and theoretical investigation on photodegradation mechanisms of naproxen and its photoproducts. *Chemosphere*, **2019**, 227, 142-150	8.4	15
24	Thermo-activated peroxydisulfate oxidation of indomethacin: Kinetics study and influences of co-existing substances. *Chemosphere*, **2018**, 212, 1067-1075	8.4	15
23	Photocatalyst with a metal-free electron hole pair double transfer mechanism for pharmaceutical and personal care product degradation. *Environmental Science: Nano*, **2019**, 6, 3292-3306	7.1	12
22	An Energy-Efficient Electrochemical Method for CuO TiO2 Nanotube Array Preparation with Visible-Light Responses. *Acta Metallurgica Sinica (English Letters)*, **2014**, 27, 149-155	2.5	12
21	Smart Removal of Dye Pollutants via Dark Adsorption and Light Desorption at Recyclable BiOCO Nanosheets Interface. *ACS Applied Materials & Interfaces*, **2020**, 12, 20490-20499	9.5	11
20	Study of the simulated sunlight photolysis mechanism of ketoprofen: the role of superoxide anion radicals, transformation byproducts, and ecotoxicity assessment. *Environmental Sciences: Processes and Impacts*, **2017**, 19, 1176-1184	4.3	10
19	N,Fe-Doped Carbon Dot Decorated Gear-Shaped WO3 for Highly Efficient UV-Vis-NIR-Driven Photocatalytic Performance. *Catalysts*, **2020**, 10, 416	4	8
18	Aquatic photodegradation of clofibric acid under simulated sunlight irradiation: kinetics and mechanism analysis.. *RSC Advances*, **2018**, 8, 27796-27804	3.7	8
17	Superhigh co-adsorption of tetracycline and copper by the ultrathin g-CN modified graphene oxide hydrogels. *Journal of Hazardous Materials*, **2022**, 424, 127362	12.8	8
16	High-performance adsorption of chromate by hydrazone-linked guanidinium-based ionic covalent organic frameworks: Selective ion exchange. *Separation and Purification Technology*, **2021**, 274, 118993	8.3	8
15	Photochemical transformation of CN under UV irradiation: Implications for environmental fate and photocatalytic activity. *Journal of Hazardous Materials*, **2020**, 394, 122557	12.8	7
14	Photocatalytic transformation of climbazole and 4-chlorophenol formation using a floral array of chromium-substituted magnetite nanoparticles activated with peroxymonosulfate. *Environmental Science: Nano*, **2019**, 6, 2986-2999	7.1	7

13	Photocatalytic degradation of sulfonamides in 4-phenoxyphenol-modified g-C3N4 composites: Performance and mechanism. *Chemical Engineering Journal*, **2021**, 421, 127864	14.7	6
12	Construction of double-functionalized g-CN heterojunction structure via optimized charge transfer for the synergistically enhanced photocatalytic degradation of sulfonamides and HO production. *Journal of Hazardous Materials*, **2022**, 422, 126868	12.8	6
11	Oxidation of diclofenac with chlorine dioxide in aquatic environments: influences of different nitrogenous species. *Environmental Science and Pollution Research*, **2015**, 22, 9449-56	5.1	5
10	Ozonation of ketoprofen with nitrate in aquatic environments: kinetics, pathways, and toxicity.. *RSC Advances*, **2018**, 8, 10541-10548	3.7	5
9	Efficient removal of bisphenol pollutants on imine-based covalent organic frameworks: adsorption behavior and mechanism.. *RSC Advances*, **2021**, 11, 18308-18320	3.7	5
8	Ionic covalent organic frameworks for Non-Steroidal Anti-Inflammatory drugs (NSAIDs) removal from aqueous Solution: Adsorption performance and mechanism. *Separation and Purification Technology*, **2022**, 278, 119238	8.3	5
7	Carbon quantum dots-modified reduced ultrathin g-C3N4 with strong photoredox capacity for broad spectrum-driven PPCPs remediation in natural water matrices. *Chemical Engineering Journal*, **2021**, 420, 129935	14.7	4
6	Plasmonic Ag nanoparticles decorated copper-phenylacetylide polymer for visible-light-driven photocatalytic reduction of Cr(VI) and degradation of PPCPs: Performance, kinetics, and mechanism.. *Journal of Hazardous Materials*, **2021**, 425, 127599	12.8	3
5	Application of heterogeneous catalytic ozonation as a tertiary treatment of effluent of biologically treated tannery wastewater. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2016**, 51, 626-33	2.3	3
4	Enhanced treatment of tannery wastewater in an integrated multistage bioreactor (IMBR) by the predominant bacterial strains enriched from marine sediments. *Water Science and Technology*, **2016** , 73, 807-17	2.2	2
3	One-step synthesis of carbon nitride nanobelts for the enhanced photocatalytic degradation of organic pollutants through peroxydisulfate activation. *Environmental Science: Nano*, **2021**, 8, 245-257	7.1	2
2	Role of cetyltrimethyl ammonium bromide, crystal violet and humic acid in the degradation of diclofenac under simulated sunlight irradiation. *Science China Chemistry*, **2012**, 55, 2610-2616	7.9	1
1	Tunable and sustainable photocatalytic activity of photochromic Y-WO under visible light irradiation.. *RSC Advances*, **2020**, 11, 1147-1152	3.7	1