

# Guanghua Lu

## List of Publications by Year in descending order

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110  
papers

4,268  
citations

87888

38  
h-index

128289

60  
g-index

111  
all docs

111  
docs citations

111  
times ranked

4042  
citing authors

#	ARTICLE	IF	CITATIONS
1	Occurrence, bioaccumulation and risk assessment of lipophilic pharmaceutically active compounds in the downstream rivers of sewage treatment plants. <i>Science of the Total Environment</i> , 2015, 511, 54-62.	8.0	209
2	Occurrence, toxicity and ecological risk of Bisphenol A analogues in aquatic environment – A review. <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111481.	6.0	194
3	Insights into a CQD-SnNb2O6/BiOCl Z-scheme system for the degradation of benzocaine: Influence factors, intermediate toxicity and photocatalytic mechanism. <i>Chemical Engineering Journal</i> , 2019, 374, 79-90.	12.7	187
4	Occurrence, bioaccumulation, and trophic magnification of pharmaceutically active compounds in Taihu Lake, China. <i>Chemosphere</i> , 2015, 138, 140-147.	8.2	148
5	Bioaccumulation and trophic transfer of pharmaceuticals in food webs from a large freshwater lake. <i>Environmental Pollution</i> , 2017, 222, 356-366.	7.5	143
6	Microplastic degradation by hydroxy-rich bismuth oxychloride. <i>Journal of Hazardous Materials</i> , 2021, 405, 124247.	12.4	137
7	Modified 2D-2D ZnIn2S4/BiOCl van der Waals heterojunctions with CQDs: Accelerated charge transfer and enhanced photocatalytic activity under vis- and NIR-light. <i>Chemosphere</i> , 2019, 227, 82-92.	8.2	122
8	Occurrence and ecological risk assessment of organic micropollutants in the lower reaches of the Yangtze River, China: A case study of water diversion. <i>Environmental Pollution</i> , 2018, 239, 223-232.	7.5	107
9	A review of the influences of microplastics on toxicity and transgenerational effects of pharmaceutical and personal care products in aquatic environment. <i>Science of the Total Environment</i> , 2020, 732, 139222.	8.0	99
10	Tissue distribution, bioconcentration, metabolism, and effects of erythromycin in crucian carp ( <i>Carassius auratus</i> ). <i>Science of the Total Environment</i> , 2014, 490, 914-920.	8.0	96
11	Recent applications of metal-organic frameworks in sample pretreatment. <i>Journal of Separation Science</i> , 2018, 41, 180-194.	2.5	89
12	Single and combined effects of microplastics and roxithromycin on <i>Daphnia magna</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 17010-17020.	5.3	89
13	Fabrication of Fe3O4 quantum dots modified BiOCl/BiVO4 p-n heterojunction to enhance photocatalytic activity for removing broad-spectrum antibiotics under visible light. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 96, 681-690.	5.3	85
14	Residues, bioaccumulation, and trophic transfer of pharmaceuticals and personal care products in highly urbanized rivers affected by water diversion. <i>Journal of Hazardous Materials</i> , 2020, 391, 122245.	12.4	83
15	Assessment of Environmental Pollution of Taihu Lake by Combining Active Biomonitoring and Integrated Biomarker Response. <i>Environmental Science &amp; Technology</i> , 2011, 45, 3746-3752.	10.0	81
16	A multi-biomarker assessment of single and combined effects of norfloxacin and sulfamethoxazole on male goldfish ( <i>Carassius auratus</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 12-17.	6.0	74
17	Bioconcentration, metabolism, and biomarker responses in freshwater fish <i>Carassius auratus</i> exposed to roxithromycin. <i>Chemosphere</i> , 2014, 99, 102-108.	8.2	73
18	Behavioral and biochemical responses in freshwater fish <i>Carassius auratus</i> exposed to sertraline. <i>Chemosphere</i> , 2015, 135, 146-155.	8.2	73

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19	Potential environmental implications of emerging organic contaminants in Taihu Lake, China: Comparison of two ecotoxicological assessment approaches. <i>Science of the Total Environment</i> , 2014, 470-471, 171-179.	8.0	60
20	Assessment of estrogenic contamination and biological effects in Lake Taihu. <i>Ecotoxicology</i> , 2011, 20, 974-981.	2.4	58
21	Mineralization and toxicity reduction of the benzophenone-1 using 2D/2D Cu <sub>2</sub> WS <sub>4</sub> /BiOCl Z-scheme system: Simultaneously improved visible-light absorption and charge transfer efficiency. <i>Chemical Engineering Journal</i> , 2020, 400, 125913.	12.7	57
22	Investigation of pharmaceutically active compounds in an urban receiving water: Occurrence, fate and environmental risk assessment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 154, 214-220.	6.0	55
23	Occurrence and ecological implications of organophosphate triesters and diester degradation products in wastewater, river water, and tap water. <i>Environmental Pollution</i> , 2020, 259, 113810.	7.5	55
24	Long-term effects of antibiotics, norfloxacin, and sulfamethoxazole, in a partial life-cycle study with zebrafish ( <i>Danio rerio</i> ): effects on growth, development, and reproduction. <i>Environmental Science and Pollution Research</i> , 2016, 23, 18222-18228.	5.3	54
25	Effects of Nanoplastics and Butyl Methoxydibenzoylmethane on Early Zebrafish Embryos Identified by Single-Cell RNA Sequencing. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1885-1896.	10.0	52
26	Incorporation of I <sup>-</sup> -conjugated molecules as electron donors in g-C <sub>3</sub> N <sub>4</sub> enhances photocatalytic H <sub>2</sub> -production. <i>Renewable Energy</i> , 2021, 164, 531-540.	8.9	50
27	Bioconcentration, metabolism and effects of diphenhydramine on behavioral and biochemical markers in crucian carp ( <i>Carassius auratus</i> ). <i>Science of the Total Environment</i> , 2016, 544, 400-409.	8.0	48
28	Bioconcentration of the antiepileptic drug carbamazepine and its physiological and biochemical effects on <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 11-18.	6.0	48
29	Adsorption and catalytic electro-peroxone degradation of fluconazole by magnetic copper ferrite/carbon nanotubes. <i>Chemical Engineering Journal</i> , 2019, 370, 409-419.	12.7	48
30	Enhanced photocatalytic activity of a hydrogen bond-assisted 2D/2D Z-scheme SnNb <sub>2</sub> O <sub>6</sub> /Bi <sub>2</sub> WO <sub>6</sub> system: Highly efficient separation of photoinduced carriers. <i>Journal of Colloid and Interface Science</i> , 2019, 552, 678-688.	9.4	47
31	Interactive effects of selected pharmaceutical mixtures on bioaccumulation and biochemical status in crucian carp ( <i>Carassius auratus</i> ). <i>Chemosphere</i> , 2016, 148, 21-31.	8.2	46
32	Occurrence and ecological risk assessment of pharmaceuticals and personal care products in Taihu Lake, China: a review. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1640-1648.	3.5	46
33	Biological fate and effects of propranolol in an experimental aquatic food chain. <i>Science of the Total Environment</i> , 2015, 532, 31-39.	8.0	44
34	Distribution, sources and human risk of perfluoroalkyl acids (PFAAs) in a receiving riverine environment of the Nanjing urban area, East China. <i>Journal of Hazardous Materials</i> , 2020, 381, 120911.	12.4	44
35	Microplastic pollution in an urbanized river affected by water diversion: Combining with active biomonitoring. <i>Journal of Hazardous Materials</i> , 2021, 417, 126058.	12.4	44
36	Influence of gastrointestinal tract on metabolism of bisphenol A as determined by in vitro simulated system. <i>Journal of Hazardous Materials</i> , 2018, 355, 111-118.	12.4	42

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37	Effective degradation of diatrizoate by electro-peroxone process using ferrite/carbon nanotubes based gas diffusion cathode. <i>Electrochimica Acta</i> , 2017, 236, 297-306.	5.2	41
38	Occurrence, spatial-temporal distribution and ecological risks of pharmaceuticals and personal care products response to water diversion across the rivers in Nanjing, China. <i>Environmental Pollution</i> , 2019, 255, 113132.	7.5	41
39	Parental transfer of ethylhexyl methoxy cinnamate and induced biochemical responses in zebrafish. <i>Aquatic Toxicology</i> , 2019, 206, 24-32.	4.0	41
40	Transport of nanoparticles in porous media and its effects on the co-existing pollutants. <i>Environmental Pollution</i> , 2021, 283, 117098.	7.5	39
41	Bioconcentration and multi-biomarkers of organic UV filters (BM-DBM and OD-PABA) in crucian carp. <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 178-187.	6.0	35
42	Metagenomic analysis explores the interaction of aged microplastics and roxithromycin on gut microbiota and antibiotic resistance genes of <i>Carassius auratus</i> . <i>Journal of Hazardous Materials</i> , 2022, 425, 127773.	12.4	33
43	Contamination by metals and pharmaceuticals in northern Taihu Lake (China) and its relation to integrated biomarker response in fish. <i>Ecotoxicology</i> , 2013, 22, 50-59.	2.4	32
44	Organic UV Filters in the Surface Water of Nanjing, China: Occurrence, Distribution and Ecological Risk Assessment. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016, 96, 530-535.	2.7	30
45	A passive sampling method for assessing the occurrence and risk of organophosphate flame retardants in aquatic environments. <i>Chemosphere</i> , 2017, 167, 1-9.	8.2	29
46	Ecological impact assessment of 110 micropollutants in the Yarlung Tsangpo River on the Tibetan Plateau. <i>Journal of Environmental Management</i> , 2020, 262, 110291.	7.8	28
47	Effects of BDE-209 and its mixtures with BDE-47 and BDE-99 on multiple biomarkers in <i>Carassius auratus</i> . <i>Environmental Toxicology and Pharmacology</i> , 2014, 38, 554-561.	4.0	27
48	Uptake, depuration, and bioconcentration of two pharmaceuticals, roxithromycin and propranolol, in <i>Daphnia magna</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 126, 85-93.	6.0	27
49	Toxicity of Cu and Cr Nanoparticles to <i>Daphnia magna</i> . <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	27
50	Bioconcentration, behavioral, and biochemical effects of the non-steroidal anti-inflammatory drug diclofenac in <i>Daphnia magna</i> . <i>Environmental Science and Pollution Research</i> , 2019, 26, 5704-5712.	5.3	27
51	Biological uptake, depuration and biochemical effects of diclofenac and carbamazepine in <i>Carassius carassius</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 205, 111106.	6.0	27
52	Bioaccumulation, distribution and metabolism of BDE-153 in the freshwater fish <i>Carassius auratus</i> after dietary exposure. <i>Ecotoxicology and Environmental Safety</i> , 2014, 108, 16-22.	6.0	26
53	Evaluation of the potential for trophic transfer of roxithromycin along an experimental food chain. <i>Environmental Science and Pollution Research</i> , 2015, 22, 10592-10600.	5.3	26
54	Influence of multi-walled carbon nanotubes on the effects of roxithromycin in crucian carp ( <i>Carassius auratus</i> ) in the presence of natural organic matter. <i>Chemosphere</i> , 2017, 178, 165-172.	8.2	24

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55	Long-term effectiveness of sediment dredging on controlling the contamination of arsenic, selenium, and antimony. <i>Environmental Pollution</i> , 2019, 245, 725-734.	7.5	24
56	Intestinal toxicity and microbial community disorder induced by bisphenol F and bisphenol S in zebrafish. <i>Chemosphere</i> , 2021, 280, 130711.	8.2	24
57	Single and combined effects of selected haloacetonitriles in a human-derived hepatoma line. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 417-426.	6.0	23
58	Distribution, Removal, and Risk Assessment of Pharmaceuticals and Their Metabolites in Five Sewage Plants. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4729.	2.6	23
59	Toxicological responses of <i>Carassius auratus</i> induced by benzophenone-3 exposure and the association with alteration of gut microbiota. <i>Science of the Total Environment</i> , 2020, 747, 141255.	8.0	23
60	Aquatic passive sampling of perfluorinated chemicals with polar organic chemical integrative sampler and environmental factors affecting sampling rate. <i>Environmental Science and Pollution Research</i> , 2016, 23, 16096-16103.	5.3	22
61	Bioconcentration and metabolism of ketoconazole and effects on multi-biomarkers in crucian carp ( <i>Carassius auratus</i> ). <i>Chemosphere</i> , 2016, 150, 145-151.	8.2	22
62	Comparison of toxicity induced by EDTA-Cu after UV/H <sub>2</sub> O <sub>2</sub> and UV/persulfate treatment: Species-specific and technology-dependent toxicity. <i>Chemosphere</i> , 2020, 240, 124942.	8.2	22
63	Facet-dependent photoactivity of Mn <sub>3</sub> O <sub>4</sub> /BiOCl for naproxen detoxication: Strengthening effect of Mn valence cycle. <i>Applied Catalysis B: Environmental</i> , 2021, 299, 120672.	20.2	22
64	Interaction of erythromycin and ketoconazole on the neurological, biochemical and behavioral responses in crucian carp. <i>Environmental Toxicology and Pharmacology</i> , 2017, 55, 14-19.	4.0	21
65	Simultaneous membrane fouling mitigation and emerging pollutant benzophenone-3 removal by electro-peroxone process. <i>Separation and Purification Technology</i> , 2019, 227, 115715.	7.9	21
66	Joint toxicity of aromatic compounds to algae and QSAR study. <i>Ecotoxicology</i> , 2007, 16, 485-490.	2.4	19
67	Bioaccumulation and biochemical effects of ethylhexyl methoxy cinnamate and its main transformation products in zebrafish. <i>Aquatic Toxicology</i> , 2019, 214, 105241.	4.0	19
68	Interactive transgenerational effects of polystyrene nanoplastics and ethylhexyl salicylate on zebrafish. <i>Environmental Science: Nano</i> , 2021, 8, 146-159.	4.3	18
69	Multimedia distribution and trophic transfer of PPCPs in the middle and lower reaches of the Yarlung Zangbo River. <i>Environmental Pollution</i> , 2021, 271, 116408.	7.5	18
70	Molecular and phenotypic responses of male crucian carp ( <i>Carassius auratus</i> ) exposed to perfluorooctanoic acid. <i>Science of the Total Environment</i> , 2019, 653, 1395-1406.	8.0	17
71	Degradation and detoxification of propranolol by a molecular intercalation bismuth oxychloride semiconductor-organic framework. <i>Chemical Engineering Journal</i> , 2021, 423, 130222.	12.7	17
72	Sorption and degradation of selected organic UV filters (BM-DBM, 4-MBC, and OD-PABA) in laboratory water-sediment systems. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9679-9689.	5.3	16

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73	Influence of suspended sediment characteristics on the bioaccumulation and biological effects of citalopram in <i>Daphnia magna</i> . <i>Chemosphere</i> , 2018, 207, 293-302.	8.2	16
74	The Occurrence and Risks of Selected Emerging Pollutants in Drinking Water Source Areas in Henan, China. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 4109.	2.6	16
75	Influence of dissolved organic matter on the accumulation, metabolite production and multi-biological effects of environmentally relevant fluoxetine in crucian carp ( <i>Carassius auratus</i> ). <i>Aquatic Toxicology</i> , 2020, 226, 105581.	4.0	15
76	Effects of polystyrene nanoplastics on the bioaccumulation, distribution and parental transfer of ethylhexyl salicylate. <i>Environmental Science: Nano</i> , 2022, 9, 1025-1036.	4.3	15
77	Enhanced hydroxyl radical generation in the combined ozonation and electrolysis process using carbon nanotubes containing gas diffusion cathode. <i>Environmental Science and Pollution Research</i> , 2015, 22, 15812-15820.	5.3	14
78	Influence of multiwall carbon nanotubes on the toxicity of 17 $\beta$ -estradiol in the early life stages of zebrafish. <i>Environmental Science and Pollution Research</i> , 2018, 25, 7566-7574.	5.3	14
79	Influence of aquatic colloids on the bioaccumulation and biological effects of diclofenac in zebrafish ( <i>Danio rerio</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110470.	6.0	14
80	Selection of performance reference compound (PRC) for passive sampling of pharmaceutical residues in an effluent dominated river. <i>Chemosphere</i> , 2018, 211, 884-892.	8.2	13
81	Comparison of the accumulation and metabolite of fluoxetine in zebrafish larva under different environmental conditions with or without carbon nanotubes. <i>Ecotoxicology and Environmental Safety</i> , 2019, 172, 240-245.	6.0	13
82	Multilevel ecotoxicity assessment of environmentally relevant bisphenol F concentrations in <i>Daphnia magna</i> . <i>Chemosphere</i> , 2020, 240, 124917.	8.2	13
83	Thiacloprid-induced hepatotoxicity in zebrafish: Activation of the extrinsic and intrinsic apoptosis pathways regulated by p53 signaling pathway. <i>Aquatic Toxicology</i> , 2022, 246, 106147.	4.0	13
84	Adsorptive removal of aqueous bezafibrate by magnetic ferrite modified carbon nanotubes. <i>RSC Advances</i> , 2017, 7, 39594-39603.	3.6	12
85	In situ calibration of polar organic chemical integrative samplers to monitor organophosphate flame retardants in river water using polyethersulfone membranes with performance reference compounds. <i>Science of the Total Environment</i> , 2018, 610-611, 1356-1363.	8.0	12
86	Responses of antioxidant and biotransformation enzymes in <i>Carassius carassius</i> exposed to hexabromocyclododecane. <i>Environmental Toxicology and Pharmacology</i> , 2018, 62, 46-53.	4.0	12
87	Health Risk Assessments Based on Existing Data of Arsenic, Chromium, Lead, and Zinc in China's Air. <i>Human and Ecological Risk Assessment (HERA)</i> , 2015, 21, 560-573.	3.4	11
88	Occurrence and attenuation of pharmaceuticals and their transformation products in rivers impacted by sewage treatment plants. <i>RSC Advances</i> , 2017, 7, 40905-40913.	3.6	11
89	Epigenetic mechanisms of DNA methylation in the transgenerational effect of ethylhexyl salicylate on zebrafish. <i>Chemosphere</i> , 2022, 295, 133926.	8.2	11
90	Accumulation, metabolite and active defence system responses of fluoxetine in zebrafish embryos: Influence of multiwalled carbon nanotubes with different functional groups. <i>Aquatic Toxicology</i> , 2018, 205, 204-212.	4.0	10

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91	Influence of suspended sediment on the bioavailability of benzophenone-3: Focus on accumulation and multi-biological effects in <i>Daphnia magna</i> . <i>Chemosphere</i> , 2021, 275, 129974.	8.2	10
92	Degradation and detoxification of broad-spectrum antibiotics by small molecular intercalated BiOCl under visible light. <i>Journal of Colloid and Interface Science</i> , 2022, 622, 995-1007.	9.4	10
93	Effects of Sulfamethoxazole and 2-Ethylhexyl-4-Methoxycinnamate on the Dissimilatory Nitrate Reduction Processes and N <sub>2</sub> O Release in Sediments in the Yarlung Zangbo River. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 1822.	2.6	9
94	Bioconcentration and effects of hexabromocyclododecane exposure in crucian carp ( <i>Carassius</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.4	8
95	Switching g-C <sub>3</sub> N <sub>4</sub> morphology from double-walled to single-walled microtubes induced high photocatalytic H <sub>2</sub> -production performance. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153166.	5.5	8
96	Modulation of 17 $\beta$ -estradiol induced estrogenic responses in male goldfish ( <i>Carassius auratus</i> ) by benzo[a]pyrene and ketoconazole. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9036-9045.	5.3	7
97	Degradation of Octocrylene Using Combined Ozonation and Electrolysis Process: Optimization by Response Surface Methodology. <i>Clean - Soil, Air, Water</i> , 2017, 45, 1500664.	1.1	7
98	Biological effects of citalopram in a suspended sediment-water system on <i>Daphnia magna</i> . <i>Environmental Science and Pollution Research</i> , 2017, 24, 21180-21190.	5.3	6
99	The effects of dissolved organic matter and feeding on bioconcentration and oxidative stress of ethylhexyl dimethyl p-aminobenzoate (OD-PABA) to crucian carp ( <i>Carassius auratus</i> ). <i>Environmental Science and Pollution Research</i> , 2018, 25, 6558-6569.	5.3	6
100	Bioaccumulation and Biomagnification of 2-Ethylhexyl-4-dimethylaminobenzoate in Aquatic Animals. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2395.	2.6	6
101	Interactive Effects of Sertraline and Diphenhydramine on Biochemical and Behavioral Responses in Crucian Carp ( <i>Carassius auratus</i> ). <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 3137.	2.6	6
102	Chronic toxicity of diclofenac, carbamazepine and their mixture to <i>Daphnia magna</i> : a comparative two-generational study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 58963-58979.	5.3	6
103	Biodegradation of 2-ethylhexyl-4-methoxycinnamate in river sediments and its impact on microbial communities. <i>Journal of Environmental Sciences</i> , 2021, 104, 307-316.	6.1	5
104	Removal of Aqueous Para-Aminobenzoic Acid Using a Compartmental Electro-Peroxone Process. <i>Water (Switzerland)</i> , 2021, 13, 2961.	2.7	5
105	Predicting toxicity of aromatic ternary mixtures to algae. <i>Science Bulletin</i> , 2009, 54, 3521-3527.	9.0	4
106	Environmental and anthropogenic factors affect bacterial community and nitrogen removal in the Yarlung Zangbo River. <i>Environmental Science and Pollution Research</i> , 2022, 29, 84590-84599.	5.3	4
107	Adsorption Behaviors of 17 $\beta$ -Ethinylestradiol in Sediment-Water System in Northern Taihu Lake, China. <i>Scientific World Journal</i> , The, 2014, 2014, 1-6.	2.1	3
108	The sinking behavior of micro-“nano particulate matter for bisphenol analogues in the surface water of an ecological demonstration zone, China. <i>Environmental Sciences: Processes and Impacts</i> , 2021, 23, 98-108.	3.5	2

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109	Influence of organic colloids on uptake, accumulation and effects of benzophenone-3 in aquatic animals. <i>Environmental Science: Nano</i> , , .	4.3	2
110	Sorption of perfluorooctanoate onto cyanobacteria from the eutrophic lake: effects of pH, heavy metals, and phosphate. <i>Environmental Progress and Sustainable Energy</i> , 2016, 35, 1317-1323.	2.3	1