

Lingtian Xie

List of Publications by Year in descending order

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80
papers

2,516
citations

172457

29
h-index

233421

45
g-index

81
all docs

81
docs citations

81
times ranked

2522
citing authors

#	ARTICLE	IF	CITATIONS
1	Aquatic insect ecophysiological traits reveal phylogenetically based differences in dissolved cadmium susceptibility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 8321-8326.	7.1	171
2	FITNESS COST OF RESISTANCE TO CADMIUM IN THE LEAST KILLIFISH (<i>HETERANDRIA FORMOSA</i>). <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1499.	4.3	90
3	IN VIVO BIOASSAY-GUIDED FRACTIONATION OF MARINE SEDIMENT EXTRACTS FROM THE SOUTHERN CALIFORNIA BIGHT, USA, FOR ESTROGENIC ACTIVITY. <i>Environmental Toxicology and Chemistry</i> , 2005, 24, 2820.	4.3	83
4	Evaluation of Estrogenic Activities of Aquatic Herbicides and Surfactants Using an Rainbow Trout Vitellogenin Assay. <i>Toxicological Sciences</i> , 2005, 87, 391-398.	3.1	82
5	Contamination of neonicotinoid insecticides in soil-water-sediment systems of the urban and rural areas in a rapidly developing region: Guangzhou, South China. <i>Environment International</i> , 2020, 139, 105719.	10.0	82
6	Quantitative genetics approaches to study evolutionary processes in ecotoxicology; a perspective from research on the evolution of resistance. <i>Ecotoxicology</i> , 2011, 20, 513-523.	2.4	79
7	Protective properties of sesamin against fluoride-induced oxidative stress and apoptosis in kidney of carp (<i>Cyprinus carpio</i>) via JNK signaling pathway. <i>Aquatic Toxicology</i> , 2015, 167, 180-190.	4.0	77
8	Occurrence, mass loads and risks of bisphenol analogues in the Pearl River Delta region, South China: Urban rainfall runoff as a potential source for receiving rivers. <i>Environmental Pollution</i> , 2020, 263, 114361.	7.5	65
9	Cadmium exposure route affects antioxidant responses in the mayfly <i>Centroptilum triangulifer</i> . <i>Aquatic Toxicology</i> , 2011, 105, 199-205.	4.0	64
10	Trophic transfer of Cd from natural periphyton to the grazing mayfly <i>Centroptilum triangulifer</i> in a life cycle test. <i>Environmental Pollution</i> , 2010, 158, 272-277.	7.5	63
11	Anticancer drugs in the aquatic ecosystem: Environmental occurrence, ecotoxicological effect and risk assessment. <i>Environment International</i> , 2021, 153, 106543.	10.0	61
12	Responses to selection for cadmium resistance in the least killifish, <i>Heterandria formosa</i> . <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 313-320.	4.3	60
13	Copper caused reproductive endocrine disruption in zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2019, 211, 124-136.	4.0	45
14	The arsenic content in marketed seafood and associated health risks for the residents of Shandong, China. <i>Ecotoxicology and Environmental Safety</i> , 2014, 102, 168-173.	6.0	43
15	The chronic effects of lignin-derived bisphenol and bisphenol A in Japanese medaka <i>Oryzias latipes</i> . <i>Aquatic Toxicology</i> , 2016, 170, 199-207.	4.0	43
16	Mercury(II) Bioaccumulation and Antioxidant Physiology in Four Aquatic Insects. <i>Environmental Science & Technology</i> , 2009, 43, 934-940.	10.0	41
17	Dydrogesterone Causes Male Bias and Accelerates Sperm Maturation in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2018, 52, 8903-8911.	10.0	40
18	Contamination of drinking water by neonicotinoid insecticides in China: Human exposure potential through drinking water consumption and percutaneous penetration. <i>Environment International</i> , 2021, 156, 106650.	10.0	40

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19	Changes in cadmium accumulation as a mechanism for cadmium resistance in the least killifish <i>Heterandria formosa</i> . <i>Aquatic Toxicology</i> , 2004, 66, 73-81.	4.0	39
20	Dietary Seleno-Methionine Causes Alterations in Neurotransmitters, Ultrastructure of the Brain, and Behaviors in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2021, 55, 11894-11905.	10.0	39
21	Maternal transfer and reproductive effects of Cr(VI) in Japanese medaka (<i>Oryzias latipes</i>) under acute and chronic exposures. <i>Aquatic Toxicology</i> , 2016, 171, 59-68.	4.0	38
22	Microplastics decrease the toxicity of triphenyl phosphate (TPhP) in the marine medaka (<i>Oryzias latipes</i>). <i>Environmental Science & Technology</i> , 2019, 53, 1050-1056.	8.0	38
23	Sensitivities of seven algal species to triclosan, fluoxetine and their mixtures. <i>Scientific Reports</i> , 2018, 8, 15361.	3.3	34
24	The progestin norethindrone affects sex differentiation and alters transcriptional profiles of genes along the hypothalamic-pituitary-gonadal and hypothalamic-pituitary-adrenal axes in juvenile zebrafish <i>Danio rerio</i> . <i>Aquatic Toxicology</i> , 2018, 201, 31-39.	4.0	33
25	Tissue distributions of fluoride and its toxicity in the gills of a freshwater teleost, <i>Cyprinus carpio</i> . <i>Aquatic Toxicology</i> , 2013, 130-131, 68-76.	4.0	32
26	Mercury bioaccumulation in Southern Appalachian birds, assessed through feather concentrations. <i>Ecotoxicology</i> , 2014, 23, 304-316.	2.4	32
27	Effects of acute and chronic exposures of fluoxetine on the Chinese fish, topmouth gudgeon <i>Pseudorasbora parva</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 104-113.	6.0	32
28	Dynamic Selenium Assimilation, Distribution, Efflux, and Maternal Transfer in Japanese Medaka Fed a Diet of Se-enriched Mayflies. <i>Environmental Science & Technology</i> , 2014, 48, 2971-2978.	10.0	31
29	Subchronic effects of dietary selenium yeast and selenite on growth performance and the immune and antioxidant systems in Nile tilapia <i>Oreochromis niloticus</i> . <i>Fish and Shellfish Immunology</i> , 2020, 97, 283-293.	3.6	31
30	Sesamin attenuates histological alterations, oxidative stress and expressions of immune-related genes in liver of zebrafish (<i>Danio rerio</i>) exposed to fluoride. <i>Fish and Shellfish Immunology</i> , 2020, 106, 715-723.	3.6	31
31	METALLOTHIONEIN-LIKE PROTEIN IN THE LEAST KILLIFISH HETERANDRIA FORMOSA AND ITS ROLE IN CADMIUM RESISTANCE. <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 173.	4.3	30
32	Effects of fluoride on growth, body composition, and serum biochemical profile in a freshwater teleost, <i>Cyprinus carpio</i> . <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 2315-2321.	4.3	30
33	A low level of dietary selenium has both beneficial and toxic effects and is protective against Cd-toxicity in the least killifish <i>Heterandria formosa</i> . <i>Chemosphere</i> , 2016, 161, 358-364.	8.2	29
34	The acute toxicity of bisphenol A and lignin-derived bisphenol in algae, daphnids, and Japanese medaka. <i>Environmental Science and Pollution Research</i> , 2017, 24, 23872-23879.	5.3	29
35	Swine farm wastewater discharge causes masculinization of western mosquitofish (<i>Gambusia affinis</i>). <i>Environment International</i> , 2019, 123, 132-140.	10.0	29
36	RESPONSES TO SELECTION FOR CADMIUM RESISTANCE IN THE LEAST KILLIFISH, HETERANDRIA FORMOSA. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 313.	4.3	28

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37	Endocrine disrupting effects in western mosquitofish <i>Gambusia affinis</i> in two rivers impacted by untreated rural domestic wastewaters. <i>Science of the Total Environment</i> , 2019, 683, 61-70.	8.0	27
38	Accumulation and effects of Cr(VI) in Japanese medaka (<i>Oryzias latipes</i>) during chronic dissolved and dietary exposures. <i>Aquatic Toxicology</i> , 2016, 176, 208-216.	4.0	26
39	Subchronic toxicity of dietary sulfamethazine and nanoplastics in marine medaka (<i>Oryzias latipes</i>). <i>Environmental Safety</i> , 2021, 226, 112820.	6.0	26
40	Cadmium biodynamics in the oligochaete <i>Lumbriculus variegatus</i> and its implications for trophic transfer. <i>Aquatic Toxicology</i> , 2008, 86, 265-271.	4.0	25
41	Alterations of secondary sex characteristics, reproductive histology and behaviors by norgestrel in the western mosquitofish (<i>Gambusia affinis</i>). <i>Aquatic Toxicology</i> , 2018, 198, 224-230.	4.0	24
42	Fluoride-induced apoptosis and expressions of caspase proteins in the kidney of carp (<i>Cyprinus carpio</i>). <i>Environmental Safety</i> , 2021, 226, 112820.	4.0	23
43	Accumulation, depuration dynamics and effects of dissolved hexavalent chromium in juvenile Japanese medaka (<i>Oryzias latipes</i>). <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 254-260.	6.0	23
44	Occurrence, fate and mass loading of benzodiazepines and their transformation products in eleven wastewater treatment plants in Guangdong province, China. <i>Science of the Total Environment</i> , 2021, 755, 142648.	8.0	23
45	Evaluation of Wetland and Tertiary Wastewater Treatments for Estrogenicity Using In Vivo and In Vitro Assays. <i>Archives of Environmental Contamination and Toxicology</i> , 2004, 48, 81-86.	4.1	21
46	Effects of dietary Cu and Zn on the accumulation, oxidative stress and the expressions of immune-related genes in the livers of Nile tilapia (<i>Oreochromis niloticus</i>). <i>Fish and Shellfish Immunology</i> , 2020, 100, 198-207.	3.6	21
47	Bioaccumulation, subcellular distribution, and acute effects of chromium in Japanese medaka (<i>Oryzias latipes</i>). <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 2611-2617.	4.3	20
48	Medroxyprogesterone acetate affects sex differentiation and spermatogenesis in zebrafish. <i>Aquatic Toxicology</i> , 2019, 212, 70-76.	4.0	20
49	Rapid masculinization and effects on the liver of female western mosquitofish (<i>Gambusia affinis</i>) by norethindrone. <i>Chemosphere</i> , 2019, 216, 94-102.	8.2	20
50	Cyclophosphamide affects eye development and locomotion in zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2022, 805, 150460.	8.0	20
51	Increased coiling frequency linked to apoptosis in the brain and altered thyroid signaling in zebrafish embryos (<i>Danio rerio</i>) exposed to the PBDE metabolite 6-OH-BDE-47. <i>Chemosphere</i> , 2018, 198, 342-350.	8.2	19
52	Dietary Seleno-methionine Alters the Microbial Communities and Causes Damage in the Gastrointestinal Tract of Japanese Medaka (<i>Oryzias latipes</i>). <i>Environmental Science & Technology</i> , 2021, 55, 16515-16525.	10.0	19
53	Individual and binary mixture effects of bisphenol A and lignin-derived bisphenol in <i>Daphnia magna</i> under chronic exposure. <i>Chemosphere</i> , 2018, 191, 779-786.	8.2	18
54	Dydrogesterone affects the transcription of genes in visual cycle and circadian rhythm network in the eye of zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2019, 183, 109556.	6.0	18

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55	The effects of norethindrone on the ontogeny of gene expression along the hypothalamic-pituitary-adrenal and hypothalamic-pituitary-gonadal axes in zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2020, 747, 141554.	8.0	18
56	Effects of sodium fluoride on MAPKs signaling pathway in the gills of a freshwater teleost, <i>Cyprinus carpio</i> . <i>Aquatic Toxicology</i> , 2014, 152, 164-172.	4.0	17
57	Metal Concentrations in Sediment And Biota of the Huludao Coast in Liaodong Bay and Associated Human and Ecological Health Risks. <i>Archives of Environmental Contamination and Toxicology</i> , 2016, 71, 87-96.	4.1	17
58	Parental exposure to sulfamethazine and nanoplastics alters the gut microbial communities in the offspring of marine medaka (<i>Oryzias latipes</i>). <i>Journal of Hazardous Materials</i> , 2022, 423, 127003.	12.4	17
59	Responses to selection for cadmium resistance in the least killifish, <i>Heterandria formosa</i> . <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 313-20.	4.3	17
60	Use of biological detection methods to assess dioxin-like compounds in sediments of Bohai Bay, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 339-346.	6.0	16
61	Dydrogesterone affects the transcription of genes in GnRH and steroidogenesis pathways and increases the frequency of atretic follicles in zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2019, 216, 725-732.	8.2	16
62	The bioaccumulation and effects of selenium in the oligochaete <i>Lumbriculus variegatus</i> via dissolved and dietary exposure routes. <i>Aquatic Toxicology</i> , 2016, 178, 1-7.	4.0	15
63	Medroxyprogesterone acetate affects eye growth and the transcription of associated genes in zebrafish. <i>Ecotoxicology and Environmental Safety</i> , 2020, 193, 110371.	6.0	15
64	Expression of ERK and p-ERK proteins of ERK signaling pathway in the kidneys of fluoride-exposed carp (<i>Cyprinus carpio</i>). <i>Acta Histochemica</i> , 2014, 116, 1337-1341.	1.8	14
65	Selenomethionine exposure affects chondrogenic differentiation and bone formation in Japanese medaka (<i>Oryzias latipes</i>). <i>Journal of Hazardous Materials</i> , 2020, 387, 121720.	12.4	14
66	Endocrine disrupting effects of binary mixtures of 17 β -estradiol and testosterone in adult female western mosquitofish (<i>Gambusia affinis</i>). <i>Ecotoxicology and Environmental Safety</i> , 2021, 208, 111566.	6.0	14
67	Chemical characteristics and toxicological effects of leachates from plastics under simulated seawater and fish digest. <i>Water Research</i> , 2022, 209, 117892.	11.3	14
68	Mitigative effects of natural and model dissolved organic matter with different functionalities on the toxicity of methylmercury in embryonic zebrafish. <i>Environmental Pollution</i> , 2019, 252, 616-626.	7.5	13
69	Endocrine disruption in western mosquitofish from open and closed aquatic ecosystems polluted by swine farm wastewaters. <i>Environment International</i> , 2020, 137, 105552.	10.0	12
70	Norethindrone alters mating behaviors, ovary histology, hormone production and transcriptional expression of steroidogenic genes in zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2020, 195, 110496.	6.0	11
71	The differences in bioaccumulation and effects between Se(IV) and Se(VI) in the topmouth gudgeon <i>Pseudorasbora parva</i> . <i>Scientific Reports</i> , 2018, 8, 13860.	3.3	9
72	Interactive effects of fluoride and seleno-L-methionine at environmental related concentrations on zebrafish (<i>Danio rerio</i>) liver via the gut-liver axis. <i>Fish and Shellfish Immunology</i> , 2022, 127, 690-702.	3.6	9

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73	Altered life history traits and transcripts of molting- and reproduction-related genes by cadmium in <i>Daphnia magna</i> . <i>Ecotoxicology</i> , 2022, 31, 735-745.	2.4	8
74	Phosphorus fertilization regimes and rates alter Cd extractability in rhizospheric soils and uptake in maize (<i>Zea mays</i> L.). <i>Chemosphere</i> , 2022, 298, 134288.	8.2	8
75	Assessment of metal contamination in the Hun River, China, and evaluation of the fish <i>Zacco platypus</i> and the snail <i>Radix swinhoei</i> as potential biomonitors. <i>Environmental Science and Pollution Research</i> , 2017, 24, 6512-6522.	5.3	7
76	Selenium accumulation and the effects on the liver of topmouth gudgeon <i>Pseudorasbora parva</i> exposed to dissolved inorganic selenium. <i>Ecotoxicology and Environmental Safety</i> , 2018, 160, 240-248.	6.0	7
77	Levonorgestrel and dydrogesterone affect sex determination via different pathways in zebrafish. <i>Aquatic Toxicology</i> , 2021, 240, 105972.	4.0	6
78	Effects of sediment composition on cadmium bioaccumulation in the clam <i>Meretrix meretrix</i> Linnaeus. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 841-847.	4.3	5
79	The role of the freshwater oligochaete <i>Limnodrilus hoffmeisteri</i> in the distribution of Se in a water/sediment microcosm. <i>Science of the Total Environment</i> , 2019, 687, 1098-1106.	8.0	5
80	Fluoride exposure changed the expression of microRNAs in gills of male zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2021, 233, 105789.	4.0	5