

Elvis Genbo Xu

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.

73 papers	2,219 citations	26 h-index	46 g-index
77 ext. papers	3,232 ext. citations	7.4 avg, IF	5.7 L-index

#	Paper	IF	Citations
73	Missing relationship between meso- and microplastics in adjacent soils and sediments. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127234	12.8	6
72	Uptake, translocation, and biological impacts of micro(nano)plastics in terrestrial plants: Progress and prospects. <i>Environmental Research</i> , 2022 , 203, 111867	7.9	4
71	Is microplastic an oxidative stressor? Evidence from a meta-analysis on bivalves. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127211	12.8	7
70	Metabolic Consequences of Developmental Exposure to Polystyrene Nanoplastics, the Flame Retardant BDE-47 and Their Combination in Zebrafish.. <i>Frontiers in Pharmacology</i> , 2022 , 13, 822111	5.6	0
69	The developing zebrafish kidney is impaired by Deepwater Horizon crude oil early-life stage exposure: A molecular to whole-organism perspective. <i>Science of the Total Environment</i> , 2021 , 808, 151988	10.2	0
68	Environmental fate of microplastics in the world's third-largest river: Basin-wide investigation and microplastic community analysis.. <i>Water Research</i> , 2021 , 210, 118002	12.5	6
67	Analysis of environmental nanoplastics: Progress and challenges. <i>Chemical Engineering Journal</i> , 2021 , 410, 128208	14.7	57
66	Molecular mechanisms of zooplanktonic toxicity in the okadaic acid-producing dinoflagellate <i>Prorocentrum lima</i> . <i>Environmental Pollution</i> , 2021 , 279, 116942	9.3	3
65	Polystyrene micro- and nanoplastics affect locomotion and daily activity of <i>Drosophila melanogaster</i> . <i>Environmental Science: Nano</i> , 2021 , 8, 110-121	7.1	9
64	Preventing masks from becoming the next plastic problem. <i>Frontiers of Environmental Science and Engineering</i> , 2021 , 15, 125	5.8	30
63	Toxicity mechanisms of polystyrene microplastics in marine mussels revealed by high-coverage quantitative metabolomics using chemical isotope labeling liquid chromatography mass spectrometry. <i>Journal of Hazardous Materials</i> , 2021 , 417, 126003	12.8	24
62	Key mechanisms of micro- and nanoplastic (MNP) toxicity across taxonomic groups. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 247, 109056	3.2	14
61	Effects of Microplastics on Immune Responses of the Yellow Catfish Under Hypoxia. <i>Frontiers in Physiology</i> , 2021 , 12, 753999	4.6	0
60	Environmental occurrence, fate, impact, and potential solution of tire microplastics: Similarities and differences with tire wear particles. <i>Science of the Total Environment</i> , 2021 , 795, 148902	10.2	19
59	Primary and Secondary Plastic Particles Exhibit Limited Acute Toxicity but Chronic Effects on. <i>Environmental Science & Technology</i> , 2020 , 54, 6859-6868	10.3	44
58	Exposure to Crude Oil Induces Retinal Apoptosis and Impairs Visual Function in Fish. <i>Environmental Science & Technology</i> , 2020 , 54, 2843-2850	10.3	21
57	A Review of Microplastics in Table Salt, Drinking Water, and Air: Direct Human Exposure. <i>Environmental Science & Technology</i> , 2020 , 54, 3740-3751	10.3	215

56	Synergistic toxicity of microcystin-LR and Cu to zebrafish (Danio rerio). <i>Science of the Total Environment</i> , 2020 , 713, 136393	10.2	15
55	Response to Comment on "Plastic Teabags Release Billions of Microparticles and Nanoparticles into Tea". <i>Environmental Science & Technology</i> , 2020 , 54, 14136-14137	10.3	3
54	Occurrence and distribution of microplastics in China's largest freshwater lake system. <i>Chemosphere</i> , 2020 , 261, 128186	8.4	27
53	Plastic Teabags Release Billions of Microparticles and Nanoparticles into Tea. <i>Environmental Science & Technology</i> , 2019 , 53, 12300-12310	10.3	276
52	Mahi-mahi (Coryphaena hippurus) life development: morphological, physiological, behavioral and molecular phenotypes. <i>Developmental Dynamics</i> , 2019 , 248, 337-350	2.9	9
51	Separation and Analysis of Microplastics and Nanoplastics in Complex Environmental Samples. <i>Accounts of Chemical Research</i> , 2019 , 52, 858-866	24.3	222
50	Short-term exposure to positively charged polystyrene nanoparticles causes oxidative stress and membrane destruction in cyanobacteria. <i>Environmental Science: Nano</i> , 2019 , 6, 3072-3079	7.1	43
49	Assessing Toxicity and Bioactivity of Smoked Cigarette Leachate Using Cell-Based Assays and Chemical Analysis. <i>Chemical Research in Toxicology</i> , 2019 , 32, 1670-1679	4	10
48	mRNA-miRNA-Seq Reveals Neuro-Cardio Mechanisms of Crude Oil Toxicity in Red Drum (Sciaenops ocellatus). <i>Environmental Science & Technology</i> , 2019 , 53, 3296-3305	10.3	17
47	Artificial turf infill associated with systematic toxicity in an amniote vertebrate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 25156-25161	11.5	6
46	Toxicity Assessments of Micro- and Nanoplastics Can Be Confounded by Preservatives in Commercial Formulations. <i>Environmental Science and Technology Letters</i> , 2019 , 6, 21-25	11	56
45	Impacts of Salinity and Temperature on the Thyroidogenic Effects of the Biocide Diuron in Menidia beryllina. <i>Environmental Science & Technology</i> , 2018 , 52, 3146-3155	10.3	16
44	The effect of chlorpyrifos on salinity acclimation of juvenile rainbow trout (Oncorhynchus mykiss). <i>Aquatic Toxicology</i> , 2018 , 195, 97-102	5.1	8
43	Ecological risks posed by ammonia nitrogen (AN) and un-ionized ammonia (NH) in seven major river systems of China. <i>Chemosphere</i> , 2018 , 202, 136-144	8.4	34
42	Changes in thyroid status of Menidia beryllina exposed to the antifouling booster irgarol: Impacts of temperature and salinity. <i>Chemosphere</i> , 2018 , 209, 857-865	8.4	5
41	Efficient degradation of cytotoxic contaminants of emerging concern by UV/H ₂ O ₂ . <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 1272-1281	4.2	14
40	Acute Toxicity of an Emerging Insecticide Pymetrozine to Procambarus clarkii Associated with Rice-Crayfish Culture (RCIS). <i>International Journal of Environmental Research and Public Health</i> , 2018 , 15,	4.6	11
39	Cyto- and geno-toxicity of 1,4-dioxane and its transformation products during ultraviolet-driven advanced oxidation processes. <i>Environmental Science: Water Research and Technology</i> , 2018 , 4, 1213-1218	4.2	18

38	Tracking major endocrine disruptors in coastal waters using an integrative approach coupling field-based study and hydrodynamic modeling. <i>Environmental Pollution</i> , 2018 , 233, 387-394	9.3	11
37	Effects of HCO on Degradation of Toxic Contaminants of Emerging Concern by UV/NO. <i>Environmental Science & Technology</i> , 2018 , 52, 12697-12707	10.3	76
36	Changes in microRNA-mRNA Signatures Agree with Morphological, Physiological, and Behavioral Changes in Larval Mahi-Mahi Treated with Deepwater Horizon Oil. <i>Environmental Science & Technology</i> , 2018 , 52, 13501-13510	10.3	21
35	Interrogation of the Gulf toadfish intestinal proteome response to hypersalinity exposure provides insights into osmoregulatory mechanisms and regulation of carbonate mineral precipitation. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018 , 27, 66-76	2	2
34	Developmental toxicity of hydroxylated chrysene metabolites in zebrafish embryos. <i>Aquatic Toxicology</i> , 2017 , 189, 77-86	5.1	29
33	Novel transcriptome assembly and comparative toxicity pathway analysis in mahi-mahi (<i>Coryphaena hippurus</i>) embryos and larvae exposed to Deepwater Horizon oil. <i>Scientific Reports</i> , 2017 , 7, 44546	4.9	25
32	Spatial and temporal ecological risk assessment of unionized ammonia nitrogen in Tai Lake, China (2004-2015). <i>Ecotoxicology and Environmental Safety</i> , 2017 , 140, 249-255	7	11
31	Developmental transcriptomic analyses for mechanistic insights into critical pathways involved in embryogenesis of pelagic mahi-mahi (<i>Coryphaena hippurus</i>). <i>PLoS ONE</i> , 2017 , 12, e0180454	3.7	9
30	Larval Red Drum (<i>Sciaenops ocellatus</i>) Sublethal Exposure to Weathered Deepwater Horizon Crude Oil: Developmental and Transcriptomic Consequences. <i>Environmental Science & Technology</i> , 2017 , 51, 10162-10172	10.3	73
29	Differential Expression of MicroRNAs in Embryos and Larvae of Mahi-Mahi (<i>Coryphaena hippurus</i>) Exposed to Deepwater Horizon Oil. <i>Environmental Science and Technology Letters</i> , 2017 , 4, 523-529	11	12
28	Mixture Toxicity of Bensulfuron-Methyl and Acetochlor to Red Swamp Crayfish (<i>Procambarus clarkii</i>): Behavioral, Morphological and Histological Effects. <i>International Journal of Environmental Research and Public Health</i> , 2017 , 14,	4.6	6
27	Time- and Oil-Dependent Transcriptomic and Physiological Responses to Deepwater Horizon Oil in Mahi-Mahi (<i>Coryphaena hippurus</i>) Embryos and Larvae. <i>Environmental Science & Technology</i> , 2016 , 50, 7842-51	10.3	93
26	Microbial community structure and predicted bacterial metabolic functions in biochar pellets aged in soil after 34 months. <i>Applied Soil Ecology</i> , 2016 , 100, 135-143	5	32
25	Long-Term Spatio-Temporal Trends of Organotin Contaminations in the Marine Environment of Hong Kong. <i>PLoS ONE</i> , 2016 , 11, e0155632	3.7	28
24	Trophic transfer and effects of DDT in male hornyhead turbot (<i>Pleuronichthys verticalis</i>) from Palos Verdes Superfund site, CA (USA) and comparisons to field monitoring. <i>Environmental Pollution</i> , 2016 , 213, 940-948	9.3	4
23	Spatial and temporal assessment of environmental contaminants in water, sediments and fish of the Salton Sea and its two primary tributaries, California, USA, from 2002 to 2012. <i>Science of the Total Environment</i> , 2016 , 559, 130-140	10.2	26
22	Biochar as a novel niche for culturing microbial communities in composting. <i>Waste Management</i> , 2016 , 54, 93-100	8.6	83
21	Revealing ecological risks of priority endocrine disrupting chemicals in four marine protected areas in Hong Kong through an integrative approach. <i>Environmental Pollution</i> , 2016 , 215, 103-112	9.3	26

20	Environmental fate and ecological risks of nonylphenols and bisphenol A in the Cape D'Aguilar Marine Reserve, Hong Kong. <i>Marine Pollution Bulletin</i> , 2015 , 91, 128-38	6.7	31
19	An integrated environmental risk assessment and management framework for enhancing the sustainability of marine protected areas: the Cape d'Aguilar Marine Reserve case study in Hong Kong. <i>Science of the Total Environment</i> , 2015 , 505, 269-81	10.2	26
18	The occurrence and ecological risks of endocrine disrupting chemicals in sewage effluents from three different sewage treatment plants, and in natural seawater from a marine reserve of Hong Kong. <i>Marine Pollution Bulletin</i> , 2014 , 85, 352-62	6.7	52
17	Molecular method for sex identification of half-smooth tongue sole (<i>Cynoglossus semilaevis</i>) using a novel sex-linked microsatellite marker. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 12952-8	6.3	26
16	Induction of mitogynogenetic diploids and identification of WW super-female using sex-specific SSR markers in half-smooth tongue sole (<i>Cynoglossus semilaevis</i>). <i>Marine Biotechnology</i> , 2012 , 14, 120-8	3.4	68
15	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2009-30 November 2009. <i>Molecular Ecology Resources</i> , 2010 , 10, 404-8	8.4	78
14	New polymorphic microsatellite markers for bluefin leatherjacket (<i>Navodon septentrionalis</i> Gunther, 1877). <i>Conservation Genetics</i> , 2010 , 11, 1111-1113	2.6	3
13	A new method for SNP discovery. <i>BioTechniques</i> , 2009 , 46, 201-8	2.5	11
12	Construction of a genetic linkage map and mapping of a female-specific DNA marker in half-smooth tongue sole (<i>Cynoglossus semilaevis</i>). <i>Marine Biotechnology</i> , 2009 , 11, 699-709	3.4	57
11	Ten polymorphic microsatellite loci for the Atlantic halibut (<i>Hippoglossus hippoglossus</i>) and cross-species application in related species. <i>Conservation Genetics</i> , 2009 , 10, 611-614	2.6	2
10	Eighteen novel microsatellite markers for the Chinese sea perch, <i>Lateolabrax maculatus</i> . <i>Conservation Genetics</i> , 2009 , 10, 623-625	2.6	15
9	Isolation and characterization of polymorphic microsatellite loci from so-iuy mullet (<i>Mugil soiuy</i> Basilewsky 1855). <i>Conservation Genetics</i> , 2009 , 10, 653-655	2.6	4
8	New polymorphic microsatellite markers for the summer flounder, <i>Paralichthys dentatus</i> . <i>Conservation Genetics</i> , 2009 , 10, 717-719	2.6	0
7	Isolation and characterization of 12 dinucleotide microsatellite loci from Belenger's jewfish (<i>Johnius belengerii</i> Cuvier 1830). <i>Conservation Genetics</i> , 2009 , 10, 1009-1011	2.6	3
6	Twelve polymorphic microsatellite loci from a dinucleotide-enriched genomic library of Japanese Spanish mackerel (<i>Scomberomorus niphonius</i>). <i>Conservation Genetics</i> , 2009 , 10, 1167-1169	2.6	6
5	Isolation and characterization of polymorphic microsatellite loci from bluefin leatherjacket (<i>Navodon septentrionalis</i> Gunther, 1877). <i>Conservation Genetics</i> , 2009 , 10, 1181-1184	2.6	3
4	Isolation and characterization of 10 polymorphic microsatellite loci from small yellow croaker (<i>Pseudosciaena polyactis</i>). <i>Conservation Genetics</i> , 2009 , 10, 1469-1471	2.6	5
3	Isolation and characterization of 30 novel polymorphic microsatellite loci from Japanese halfbeak, <i>Hyporhamphus sajori</i> (Temminck et Schlegel, 1846). <i>Conservation Genetics</i> , 2009 , 10, 1927-1930	2.6	2

2	Development of 15 novel dinucleotide microsatellite markers in the Senegalese sole <i>Solea senegalensis</i> . <i>Fisheries Science</i> , 2008 , 74, 1357-1359	1.9	5
1	Photocatalytic strategy to mitigate microplastic pollution in aquatic environments: Promising catalysts, efficiencies, mechanisms, and ecological risks. <i>Critical Reviews in Environmental Science and Technology</i> , 1-23	11.1	2