Elvis Genbo Xu

List of Publications by Year
in descending order

77	4,450	159585 30	106344 65
papers	citations	h-index	g-index

77	77	77	4194
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic strategy to mitigate microplastic pollution in aquatic environments: Promising catalysts, efficiencies, mechanisms, and ecological risks. Critical Reviews in Environmental Science and Technology, 2023, 53, 504-526.	12.8	16
2	Missing relationship between meso- and microplastics in adjacent soils and sediments. Journal of Hazardous Materials, 2022, 424, 127234.	12.4	29
3	Uptake, translocation, and biological impacts of micro(nano)plastics in terrestrial plants: Progress and prospects. Environmental Research, 2022, 203, 111867.	7.5	57
4	Is microplastic an oxidative stressor? Evidence from a meta-analysis on bivalves. Journal of Hazardous Materials, 2022, 423, 127211.	12.4	72
5	The developing zebrafish kidney is impaired by Deepwater Horizon crude oil early-life stage exposure: A molecular to whole-organism perspective. Science of the Total Environment, 2022, 808, 151988.	8.0	11
6	Environmental fate of microplastics in the world's third-largest river: Basin-wide investigation and microplastic community analysis. Water Research, 2022, 210, 118002.	11.3	96
7	Metabolic Consequences of Developmental Exposure to Polystyrene Nanoplastics, the Flame Retardant BDE-47 and Their Combination in Zebrafish. Frontiers in Pharmacology, 2022, 13, 822111.	3.5	5
8	Antibiotic Chlortetracycline Causes Transgenerational Immunosuppression via NF-Î°B. Environmental Science & Technology, 2022, 56, 4251-4261.	10.0	23
9	Enrofloxacin Induces Intestinal Microbiota-Mediated Immunosuppression in Zebrafish. Environmental Science & Technology, 2022, 56, 8428-8437.	10.0	18
10	Perfluorooctane Sulfonamide (PFOSA) Induces Cardiotoxicity via Aryl Hydrocarbon Receptor Activation in Zebrafish. Environmental Science & Technology, 2022, 56, 8438-8448.	10.0	21
11	Microplastics can aggravate the impact of ocean acidification on the health of mussels: Insights from physiological performance, immunity and byssus properties. Environmental Pollution, 2022, 308, 119701.	7.5	27
12	Polystyrene micro- and nanoplastics affect locomotion and daily activity ofDrosophila melanogaster. Environmental Science: Nano, 2021, 8, 110-121.	4.3	26
13	Preventing masks from becoming the next plastic problem. Frontiers of Environmental Science and Engineering, 2021, 15, 125.	6.0	84
14	Analysis of environmental nanoplastics: Progress and challenges. Chemical Engineering Journal, 2021, 410, 128208.	12.7	202
15	Molecular mechanisms of zooplanktonic toxicity in the okadaic acid-producing dinoflagellate Prorocentrum lima. Environmental Pollution, 2021, 279, 116942.	7.5	10
16	Toxicity mechanisms of polystyrene microplastics in marine mussels revealed by high-coverage quantitative metabolomics using chemical isotope labeling liquid chromatography mass spectrometry. Journal of Hazardous Materials, 2021, 417, 126003.	12.4	66
17	Key mechanisms of micro- and nanoplastic (MNP) toxicity across taxonomic groups. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 247, 109056.	2.6	59
18	Effects of Microplastics on Immune Responses of the Yellow Catfish Pelteobagrus fulvidraco Under Hypoxia. Frontiers in Physiology, 2021, 12, 753999.	2.8	8

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19	Environmental occurrence, fate, impact, and potential solution of tire microplastics: Similarities and differences with tire wear particles. Science of the Total Environment, 2021, 795, 148902.	8.0	101
20	Synergistic toxicity of microcystin-LR and Cu to zebrafish (Danio rerio). Science of the Total Environment, 2020, 713, 136393.	8.0	26
21	Response to Comment on â€œPlastic Teabags Release Billions of Microparticles and Nanoparticles into Teaâ€. Environmental Science & Technology, 2020, 54, 14136-14137.	10.0	12
22	Occurrence and distribution of microplastics in Chinaâ€™s largest freshwater lake system. Chemosphere, 2020, 261, 128186.	8.2	72
23	Primary and Secondary Plastic Particles Exhibit Limited Acute Toxicity but Chronic Effects on Daphnia magna. Environmental Science & Technology, 2020, 54, 6859-6868.	10.0	97
24	Exposure to Crude Oil Induces Retinal Apoptosis and Impairs Visual Function in Fish. Environmental Science & Technology, 2020, 54, 2843-2850.	10.0	47
25	A Review of Microplastics in Table Salt, Drinking Water, and Air: Direct Human Exposure. Environmental Science & Technology, 2020, 54, 3740-3751.	10.0	559
26	Short-term exposure to positively charged polystyrene nanoparticles causes oxidative stress and membrane destruction in cyanobacteria. Environmental Science: Nano, 2019, 6, 3072-3079.	4.3	79
27	Assessing Toxicity andin VitroBioactivity of Smoked Cigarette Leachate Using Cell-Based Assays and Chemical Analysis. Chemical Research in Toxicology, 2019, 32, 1670-1679.	3.3	29
28	Plastic Teabags Release Billions of Microparticles and Nanoparticles into Tea. Environmental Science & Technology, 2019, 53, 12300-12310.	10.0	591
29	Mahiâ€mahi (Coryphaena hippurus) life development: morphological, physiological, behavioral and molecular phenotypes. Developmental Dynamics, 2019, 248, 337-350.	1.8	12
30	Separation and Analysis of Microplastics and Nanoplastics in Complex Environmental Samples. Accounts of Chemical Research, 2019, 52, 858-866.	15.6	418
31	mRNA-miRNA-Seq Reveals Neuro-Cardio Mechanisms of Crude Oil Toxicity in Red Drum (Sciaenops) Tj ETQq1 1 0.784314 rgBT /Ov	10.0	29
32	Artificial turf infill associated with systematic toxicity in an amniote vertebrate. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 25156-25161.	7.1	20
33	Toxicity Assessments of Micro- and Nanoplastics Can Be Confounded by Preservatives in Commercial Formulations. Environmental Science and Technology Letters, 2019, 6, 21-25.	8.7	114
34	Impacts of Salinity and Temperature on the Thyroidogenic Effects of the Biocide Diuron in Menidia beryllina. Environmental Science & Technology, 2018, 52, 3146-3155.	10.0	23
35	The effect of chlorpyrifos on salinity acclimation of juvenile rainbow trout (Oncorhynchus mykiss). Aquatic Toxicology, 2018, 195, 97-102.	4.0	11
36	Ecological risks posed by ammonia nitrogen (AN) and un-ionized ammonia (NH3) in seven major river systems of China. Chemosphere, 2018, 202, 136-144.	8.2	66

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37	Tracking major endocrine disruptors in coastal waters using an integrative approach coupling field-based study and hydrodynamic modeling. Environmental Pollution, 2018, 233, 387-394.	7.5	14
38	Effects of HCO₃^{â€“} on Degradation of Toxic Contaminants of Emerging Concern by UV/NO₃^{â€“}. Environmental Science & Technology, 2018, 52, 12697-12707.	10.0	129
39	Changes in microRNAâ€“mRNA Signatures Agree with Morphological, Physiological, and Behavioral Changes in Larval Mahi-Mahi Treated with Deepwater Horizon Oil. Environmental Science & Technology, 2018, 52, 13501-13510.	10.0	25
40	Interrogation of the Gulf toadfish intestinal proteome response to hypersalinity exposure provides insights into osmoregulatory mechanisms and regulation of carbonate mineral precipitation. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 27, 66-76.	1.0	4
41	Changes in thyroid status of Menidia beryllina exposed to the antifouling booster irgarol: Impacts of temperature and salinity. Chemosphere, 2018, 209, 857-865.	8.2	7
42	Efficient degradation of cytotoxic contaminants of emerging concern by UV/H₂O₂. Environmental Science: Water Research and Technology, 2018, 4, 1272-1281.	2.4	19
43	Acute Toxicity of an Emerging Insecticide Pymetrozine to Procambarus clarkii Associated with Rice-Crayfish Culture (RCIS). International Journal of Environmental Research and Public Health, 2018, 15, 984.	2.6	20
44	Cyto- and geno-toxicity of 1,4-dioxane and its transformation products during ultraviolet-driven advanced oxidation processes. Environmental Science: Water Research and Technology, 2018, 4, 1213-1218.	2.4	24
45	Developmental toxicity of hydroxylated chrysene metabolites in zebrafish embryos. Aquatic Toxicology, 2017, 189, 77-86.	4.0	46
46	Novel transcriptome assembly and comparative toxicity pathway analysis in mahi-mahi (Coryphaena) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.3	31
47	Spatial and temporal ecological risk assessment of unionized ammonia nitrogen in Tai Lake, China (2004â€“2015). Ecotoxicology and Environmental Safety, 2017, 140, 249-255.	6.0	14
48	Larval Red Drum (Sciaenops ocellatus) Sublethal Exposure to Weathered Deepwater Horizon Crude Oil: Developmental and Transcriptomic Consequences. Environmental Science & Technology, 2017, 51, 10162-10172.	10.0	91
49	Differential Expression of MicroRNAs in Embryos and Larvae of Mahi-Mahi (Coryphaena) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Letters, 2017, 4, 523-529.	8.7	15
50	Mixture Toxicity of Bensulfuron-Methyl and Acetochlor to Red Swamp Crayfish (Procambarus clarkii): Behavioral, Morphological and Histological Effects. International Journal of Environmental Research and Public Health, 2017, 14, 1466.	2.6	16
51	Developmental transcriptomic analyses for mechanistic insights into critical pathways involved in embryogenesis of pelagic mahi-mahi (Coryphaena hippurus). PLoS ONE, 2017, 12, e0180454.	2.5	10
52	Trophic transfer and effects of DDT in male hornyhead turbot (Pleuronichthys verticalis) from Palos Verdes Superfund site, CA (USA) and comparisons to field monitoring. Environmental Pollution, 2016, 213, 940-948.	7.5	5
53	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. Science of the Total Environment, 2016, 559, 130-140.	8.0	33
54	Biochar as a novel niche for culturing microbial communities in composting. Waste Management, 2016, 54, 93-100.	7.4	117

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55	Revealing ecological risks of priority endocrine disrupting chemicals in four marine protected areas in Hong Kong through an integrative approach. Environmental Pollution, 2016, 215, 103-112.	7.5	34
56	Time- and Oil-Dependent Transcriptomic and Physiological Responses to Deepwater Horizon Oil in Mahi-Mahi (Coryphaena hippurus) Embryos and Larvae. Environmental Science & Technology, 2016, 50, 7842-7851.	10.0	123
57	Microbial community structure and predicted bacterial metabolic functions in biochar pellets aged in soil after 34 months. Applied Soil Ecology, 2016, 100, 135-143.	4.3	43
58	Long-Term Spatio-Temporal Trends of Organotin Contaminations in the Marine Environment of Hong Kong. PLoS ONE, 2016, 11, e0155632.	2.5	38
59	Environmental fate and ecological risks of nonylphenols and bisphenol A in the Cape Dâ€™Aguilar Marine Reserve, Hong Kong. Marine Pollution Bulletin, 2015, 91, 128-138.	5.0	34
60	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. Science of the Total Environment, 2015, 505, 269-281.	8.0	29
61	Molecular Method for Sex Identification of Half-Smooth Tongue Sole (Cynoglossus semilaevis) Using a Novel Sex-Linked Microsatellite Marker. International Journal of Molecular Sciences, 2014, 15, 12952-12958.	4.1	32
62	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. Marine Pollution Bulletin, 2014, 85, 352-362.	5.0	58
63	Induction of Mitogynogenetic Diploids and Identification of WW Super-female Using Sex-Specific SSR Markers in Half-Smooth Tongue Sole (Cynoglossus semilaevis). Marine Biotechnology, 2012, 14, 120-128.	2.4	87
64	New polymorphic microsatellite markers for bluefin leatherjacket (Navodon septentrionalis Gunther,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	5
65	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 October 2009â€“30 November 2009. Molecular Ecology Resources, 2010, 10, 404-408.	4.8	84
66	A new method for SNP discovery. BioTechniques, 2009, 46, 201-208.	1.8	11
67	Construction of a Genetic Linkage Map and Mapping of a Female-Specific DNA Marker in Half-Smooth Tongue Sole (Cynoglossus semilaevis). Marine Biotechnology, 2009, 11, 699-709.	2.4	63
68	Ten polymorphic microsatellite loci for the Atlantic halibut (Hippoglossus hippoglossus) and cross-species application in related species. Conservation Genetics, 2009, 10, 611-614.	1.5	2
69	Eighteen novel microsatellite markers for the Chinese sea perch, Lateolabrax maculatus. Conservation Genetics, 2009, 10, 623-625.	1.5	18
70	Isolation and charaterization of polymorphic microsatellite loci from so-iuy mullet (Mugil soiuy) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 14	1.5	8
71	New polymorphic microsatellite markers for the summer flounder, Paralichthys dentatus. Conservation Genetics, 2009, 10, 717-719.	1.5	1
72	Isolation and charaterization of 12 dinucleotide microsatellite loci from Belengerâ€™s jewfish (Johnius) Tj ETQq0 0 0 rgBT /Overlock 10	1.5	3

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73	Twelve polymorphic microsatellite loci from a dinucleotide-enriched genomic library of Japanese Spanish mackerel (Scomberomorus niphonius). Conservation Genetics, 2009, 10, 1167-1169.	1.5	6
74	Isolation and characterization of polymorphic microsatellite loci from bluefin leatherjacket (Navodon septentrionalis Gunther, 1877). Conservation Genetics, 2009, 10, 1181-1184.	1.5	3
75	Isolation and characterization of 10 polymorphic microsatellite loci from small yellow croaker (Pseudosciaena polyactis). Conservation Genetics, 2009, 10, 1469-1471.	1.5	5
76	Isolation and characterization of 30 novel polymorphic microsatellite loci from Japanese halfbeak, Hyporhamphus sajori (Temminck et Schlegel, 1846). Conservation Genetics, 2009, 10, 1927-1930.	1.5	2
77	Development of 15 novel dinucleotide microsatellite markers in the Senegalese soleSolea senegalensis. Fisheries Science, 2008, 74, 1357-1359.	1.6	5