Yuwei Xie

List of Publications by Year in descending order

43 papers	1,341 citations	394421 19 h-index	361022 35 g-index
43 all docs	43 docs citations	43 times ranked	2043 citing authors

#	Article	IF	Citations
1	Comparison of approaches to quantify SARS-CoV-2 in wastewater using RT-qPCR: Results and implications from a collaborative inter-laboratory study in Canada. Journal of Environmental Sciences, 2021, 107, 218-229.	6.1	91
2	Using in situ bacterial communities to monitor contaminants in river sediments. Environmental Pollution, 2016, 212, 348-357.	7.5	89
3	Effects of Perfluorooctanoic Acid on Metabolic Profiles in Brain and Liver of Mouse Revealed by a High-throughput Targeted Metabolomics Approach. Scientific Reports, 2016, 6, 23963.	3.3	88
4	Ecogenomics of Zooplankton Community Reveals Ecological Threshold of Ammonia Nitrogen. Environmental Science & Technology, 2017, 51, 3057-3064.	10.0	83
5	Acid mine drainage affects the diversity and metal resistance gene profile of sediment bacterial community along a river. Chemosphere, 2019, 217, 790-799.	8.2	83
6	Effects of captivity and artificial breeding on microbiota in feces of the red-crowned crane (Grus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 5	3.3	63
7	Responses of earthworms and microbial communities in their guts to Triclosan. Chemosphere, 2017, 168, 1194-1202.	8.2	63
8	Elevated CO2 levels modify TiO2 nanoparticle effects on rice and soil microbial communities. Science of the Total Environment, 2017, 578, 408-416.	8.0	58
9	Zooplankton Community Profiling in a Eutrophic Freshwater Ecosystem-Lake Tai Basin by DNA Metabarcoding. Scientific Reports, 2017, 7, 1773.	3.3	52
10	Effects of tris (2-butoxyethyl) phosphate (TBOEP) on endocrine axes during development of early life stages of zebrafish (Danio rerio). Chemosphere, 2016, 144, 1920-1927.	8.2	50
11	eDNA-based bioassessment of coastal sediments impacted by an oil spill. Environmental Pollution, 2018, 238, 739-748.	7.5	47
12	Functional Toxicogenomic Assessment of Triclosan in Human HepG2 Cells Using Genome-Wide CRISPR-Cas9 Screening. Environmental Science & Technology, 2016, 50, 10682-10692.	10.0	45
13	Next generation per- and poly-fluoroalkyl substances: Status and trends, aquatic toxicity, and risk assessment. , 2022, 1, 117-131.		45
14	Application of Environmental DNA Metabarcoding for Predicting Anthropogenic Pollution in Rivers. Environmental Science & Technology, 2018, 52, 11708-11719.	10.0	44
15	Environmental DNA metabarcoding reveals primary chemical contaminants in freshwater sediments from different land-use types. Chemosphere, 2017, 172, 201-209.	8.2	41
16	Differential responses of gut microbiota of male and female fathead minnow (Pimephales promelas) to a short-term environmentally-relevant, aqueous exposure to benzo[a]pyrene. Chemosphere, 2020, 252, 126461.	8.2	37
17	Ecogenomic responses of benthic communities under multiple stressors along the marine and adjacent riverine areas of northern Bohai Sea, China. Chemosphere, 2017, 172, 166-174.	8.2	31
18	Sedimentary DNA reveals over 150â€¯years of ecosystem change by human activities in Lake Chao, China. Environment International, 2019, 133, 105214.	10.0	25

#	Article	IF	Citations
19	Rapid transition between SARS-CoV-2 variants of concern Delta and Omicron detected by monitoring municipal wastewater from three Canadian cities. Science of the Total Environment, 2022, 841, 156741.	8.0	25
20	Sensitive community responses of microbiota to copper in sediment toxicity test. Environmental Toxicology and Chemistry, 2018, 37, 599-608.	4.3	23
21	Occurrence, compositional distribution, and toxicity assessment of pyrethroid insecticides in sediments from the fluvial systems of Chaohu Lake, Eastern China. Environmental Science and Pollution Research, 2016, 23, 10406-10414.	5.3	22
22	RNA in Municipal Wastewater Reveals Magnitudes of COVID-19 Outbreaks across Four Waves Driven by SARS-CoV-2 Variants of Concern. ACS ES&T Water, 2022, 2, 1852-1862.	4.6	22
23	Molecular docking, molecular dynamics simulation, and structure-based 3D-QSAR studies on the aryl hydrocarbon receptor agonistic activity of hydroxylated polychlorinated biphenyls. Environmental Toxicology and Pharmacology, 2013, 36, 626-635.	4.0	21
24	Differential modulation of expression of nuclear receptor mediated genes by tris(2-butoxyethyl) phosphate (TBOEP) on early life stages of zebrafish (Danio rerio). Aquatic Toxicology, 2015, 169, 196-203.	4.0	21
25	Indigenous species barcode database improves the identification of zooplankton. PLoS ONE, 2017, 12, e0185697.	2.5	21
26	In situ microbiota distinguished primary anthropogenic stressor in freshwater sediments. Environmental Pollution, 2018, 239, 189-197.	7.5	19
27	High-throughput transcriptomics: An insight on the pathways affected in HepG2 cells exposed to nickel oxide nanoparticles. Chemosphere, 2020, 244, 125488.	8.2	17
28	Effects of the husky oil spill on gut microbiota of native fishes in the North Saskatchewan River, Canada. Aquatic Toxicology, 2020, 229, 105658.	4.0	16
29	Selenium oxyanion bioconcentration in natural freshwater periphyton. Ecotoxicology and Environmental Safety, 2019, 180, 693-704.	6.0	14
30	Responses of juvenile fathead minnow (Pimephales promelas) gut microbiome to a chronic dietary exposure of benzo[a]pyrene. Environmental Pollution, 2021, 278, 116821.	7.5	12
31	Residues of organophosphorus insecticides in sediment around a highly eutrophic lake, Eastern China. Journal of Soils and Sediments, 2015, 15, 436-444.	3.0	11
32	Environmental DNA of preservative ethanol performed better than water samples in detecting macroinvertebrate diversity using metabarcoding. Diversity and Distributions, 2021, 27, 1989-2002.	4.1	11
33	Comparison of waterborne and in ovo nanoinjection exposures to assess effects of PFOS on zebrafish embryos. Environmental Science and Pollution Research, 2015, 22, 2303-2310.	5.3	9
34	Development of a Class-specific Immunochromatographic Strip Test for the Rapid Detection of Organophosphorus Pesticides With a Thiophosphate Group. Hybridoma, 2010, 29, 291-299.	0.4	7
35	Life Cycle Exposure to Environmentally Relevant Concentrations of Diphenyl Phosphate (DPhP) Inhibits Growth and Energy Metabolism of Zebrafish in a Sex-Specific Manner. Environmental Science & Technology, 2021, 55, 13122-13131.	10.0	6
36	Integrated assessment of west coast of South Korea by use of benthic bacterial community structure as determined by eDNA, concentrations of contaminants, and in vitro bioassays. Environment International, 2020, 137, 105569.	10.0	5

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37	Effects of aqueous fluoxetine exposure on gut microbiome of adult Pimephales promelas. Science of the Total Environment, 2022, 813, 152422.	8.0	5
38	Effects of in situ experimental selenium exposure on finescale dace (Phoxinus neogaeus) gut microbiome. Environmental Research, 2022, 212, 113151.	7.5	5
39	Elevated CO2 accelerates polycyclic aromatic hydrocarbon accumulation in a paddy soil grown with rice. PLoS ONE, 2018, 13, e0196439.	2.5	4
40	Remodeling of Arctic char (Salvelinus alpinus) lipidome under a stimulated scenario of Arctic warming. Global Change Biology, 2021, 27, 3282-3298.	9.5	3
41	16S rRNA metabarcoding unearths responses of rare gut microbiome of fathead minnows exposed to benzo[a]pyrene. Science of the Total Environment, 2022, 807, 151060.	8.0	3
42	Using zooplankton metabarcoding to assess the efficacy of different techniques to clean-up an oil-spill in a boreal lake. Aquatic Toxicology, 2021, 236, 105847.	4.0	2
43	RNA metabarcoding helps reveal zooplankton community response to environmental stressors. Environmental Pollution, 2022, 292, 118446.	7.5	2