Xiao-Wei Zhang

List of Publications by Year
in descending order

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206	10,026	34016 52	46693 89
papers	citations	h-index	g-index

210	210	210	11198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Where less may be more: how the rare biosphere pulls ecosystems strings. ISME Journal, 2017, 11, 853-862.	4.4	857
2	Benchmarking Organic Micropollutants in Wastewater, Recycled Water and Drinking Water with In Vitro Bioassays. Environmental Science & Technology, 2014, 48, 1940-1956.	4.6	367
3	Occurrence of organophosphate flame retardants in drinking water from China. Water Research, 2014, 54, 53-61.	5.3	249
4	Future water quality monitoring â€" Adapting tools to deal with mixtures of pollutants in water resource management. Science of the Total Environment, 2015, 512-513, 540-551.	3.9	243
5	Endocrine disruption and consequences of chronic exposure to ibuprofen in Japanese medaka (Oryzias) Tj ETQq1 1 0.784314 rgBT /O 98, 256-264.	1.9	234
6	Origin of Hydroxylated Brominated Diphenyl Ethers: Natural Compounds or Man-Made Flame Retardants?. Environmental Science & Technology, 2009, 43, 7536-7542.	4.6	209
7	Effect of perinatal and postnatal bisphenol A exposure to the regulatory circuits at the hypothalamusâ€"pituitaryâ€"gonadal axis of CD-1 mice. Reproductive Toxicology, 2011, 31, 409-417.	1.3	189
8	Risk and toxicity assessments of heavy metals in sediments and fishes from the Yangtze River and Taihu Lake, China. Chemosphere, 2013, 93, 1887-1895.	4.2	172
9	Polybrominated diphenyl ethers and their hydroxylated/methoxylated analogs: Environmental sources, metabolic relationships, and relative toxicities. Marine Pollution Bulletin, 2011, 63, 179-188.	2.3	169
10	Screening hundreds of emerging organic pollutants (EOPs) in surface water from the Yangtze River Delta (YRD): Occurrence, distribution, ecological risk. Environmental Pollution, 2018, 241, 484-493.	3.7	169
11	The SOLUTIONS project: Challenges and responses for present and future emerging pollutants in land and water resources management. Science of the Total Environment, 2015, 503-504, 22-31.	3.9	163
12	Assessment of the Effects of Chemicals on the Expression of Ten Steroidogenic Genes in the H295R Cell Line Using Real-Time PCR. Toxicological Sciences, 2004, 81, 78-89.	1.4	159
13	Adverse outcome pathway networks I: Development and applications. Environmental Toxicology and Chemistry, 2018, 37, 1723-1733.	2.2	146
14	Effect-based methods are key. The European Collaborative Project SOLUTIONS recommends integrating effect-based methods for diagnosis and monitoring of water quality. Environmental Sciences Europe, 2019, 31, .	2.6	140
15	Non-Target and Suspect Screening of Per- and Polyfluoroalkyl Substances in Airborne Particulate Matter in China. Environmental Science & Technology, 2018, 52, 8205-8214.	4.6	133
16	Effects of tris(1,3-dichloro-2-propyl) phosphate and triphenyl phosphate on receptor-associated mRNA expression in zebrafish embryos/larvae. Aquatic Toxicology, 2013, 128-129, 147-157.	1.9	125
17	Real-time PCR array to study effects of chemicals on the Hypothalamicâ€"Pituitaryâ€"Gonadal axis of the Japanese medaka. Aquatic Toxicology, 2008, 88, 173-182.	1.9	124
18	Omics Advances in Ecotoxicology. Environmental Science & Technology, 2018, 52, 3842-3851.	4.6	123

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19	Bisphenol A Disrupts Steroidogenesis in Human H295R Cells. Toxicological Sciences, 2011, 121, 320-327.	1.4	114
20	Effects of Prochloraz or Propylthiouracil on the Cross-Talk between the HPG, HPA, and HPT Axes in Zebrafish. Environmental Science & Technology, 2011, 45, 769-775.	4.6	113
21	A critical review of synthetic chemicals in surface waters of the US, the EU and China. Environment International, 2019, 131, 104994.	4.8	112
22	Solution by dilution?â€"A review on the pollution status of the Yangtze River. Environmental Science and Pollution Research, 2013, 20, 6934-6971.	2.7	108
23	Disruption of endocrine function in in vitro H295R cell-based and in in vivo assay in zebrafish by 2,4-dichlorophenol. Aquatic Toxicology, 2012, 106-107, 173-181.	1.9	104
24	Adverse outcome pathway networks II: Network analytics. Environmental Toxicology and Chemistry, 2018, 37, 1734-1748.	2.2	102
25	Interconversion of Hydroxylated and Methoxylated Polybrominated Diphenyl Ethers in Japanese Medaka. Environmental Science & Technology, 2010, 44, 8729-8735.	4.6	98
26	Occurrence of Thyroid Hormone Activities in Drinking Water from Eastern China: Contributions of Phthalate Esters. Environmental Science & Technology, 2012, 46, 1811-1818.	4.6	97
27	Quantitative RT-PCR Methods for Evaluating Toxicant-Induced Effects on Steroidogenesis Using the H295R Cell Line. Environmental Science & Technology, 2005, 39, 2777-2785.	4.6	96
28	Simultaneous quantification of multiple classes of phenolic compounds in blood plasma by liquid chromatographyâ€"electrospray tandem mass spectrometry. Journal of Chromatography A, 2010, 1217, 506-513.	1.8	94
29	Using in situ bacterial communities to monitor contaminants in river sediments. Environmental Pollution, 2016, 212, 348-357.	3.7	89
30	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.	1.6	88
31	The H295R system for evaluation of endocrine-disrupting effects. Ecotoxicology and Environmental Safety, 2006, 65, 293-305.	2.9	86
32	Ecogenomics of Zooplankton Community Reveals Ecological Threshold of Ammonia Nitrogen. Environmental Science & Technology, 2017, 51, 3057-3064.	4.6	83
33	Acid mine drainage affects the diversity and metal resistance gene profile of sediment bacterial community along a river. Chemosphere, 2019, 217, 790-799.	4.2	83
34	Responses of the Medaka HPG Axis PCR Array and Reproduction to Prochloraz and Ketoconazole. Environmental Science & Technology, 2008, 42, 6762-6769.	4.6	82
35	Occurrence of Perfluoroalkyl Acids Including Perfluorooctane Sulfonate Isomers in Huai River Basin and Taihu Lake in Jiangsu Province, China. Environmental Science & Technology, 2013, 47, 710-717.	4.6	82
36	Photodegradation of carbon dots cause cytotoxicity. Nature Communications, 2021, 12, 812.	5.8	78

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37	Effect of Ozonation on the Estrogenicity and Androgenicity of Oil Sands Process-Affected Water. Environmental Science & Technology, 2011, 45, 6268-6274.	4.6	77
38	Ozonation attenuates the steroidogenic disruptive effects of sediment free oil sands process water in the H295R cell line. Chemosphere, 2010, 80, 578-584.	4.2	74
39	Uncovering the complete biodiversity structure in spatial networks: the example of riverine systems. Oikos, 2020, 129, 607-618.	1.2	73
40	Bioaccumulation, Biotransformation, and Toxicity of BDE-47, 6-OH-BDE-47, and 6-MeO-BDE-47 in Early Life-Stages of Zebrafish (Danio rerio). Environmental Science & Technology, 2015, 49, 1823-1833.	4.6	72
41	Risks posed by trace organic contaminants in coastal sediments in the Pearl River Delta, China. Marine Pollution Bulletin, 2005, 50, 1036-1049.	2.3	67
42	Identification of trace organic pollutants in freshwater sources in Eastern China and estimation of their associated human health risks. Ecotoxicology, 2011, 20, 1099-1106.	1.1	66
43	Effects of captivity and artificial breeding on microbiota in feces of the red-crowned crane (Grus) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.6	63
44	Responses of earthworms and microbial communities in their guts to Triclosan. Chemosphere, 2017, 168, 1194-1202.	4.2	63
45	Effects of sulfathiazole, oxytetracycline and chlortetracycline on steroidogenesis in the human adrenocarcinoma (H295R) cell line and freshwater fish Oryzias latipes. Journal of Hazardous Materials, 2010, 182, 494-502.	6.5	60
46	Thyroid hormone disrupting activities associated with phthalate esters in water sources from Yangtze River Delta. Environment International, 2012, 42, 117-123.	4.8	58
47	Advancing the adverse outcome pathway frameworkâ€"An international horizon scanning approach. Environmental Toxicology and Chemistry, 2017, 36, 1411-1421.	2.2	58
48	Elevated CO2 levels modify TiO2 nanoparticle effects on rice and soil microbial communities. Science of the Total Environment, 2017, 578, 408-416.	3.9	58
49	Holistic pelagic biodiversity monitoring of the Black Sea via eDNA metabarcoding approach: From bacteria to marine mammals. Environment International, 2020, 135, 105307.	4.8	58
50	Modulation of steroidogenic gene expression and hormone production of H295R cells by pharmaceuticals and other environmentally active compounds. Toxicology and Applied Pharmacology, 2007, 225, 142-153.	1.3	57
51	Assessment of chemical effects on aromatase activity using the H295R cell line. Environmental Science and Pollution Research, 2010, 17, 1137-1148.	2.7	57
52	Assessing the Toxicity of Naphthenic Acids Using a Microbial Genome Wide Live Cell Reporter Array System. Environmental Science & Technology, 2011, 45, 1984-1991.	4.6	56
53	Dietary intake of polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) from fish and meat by residents of Nanjing, China. Environment International, 2012, 42, 138-143.	4.8	56
54	Human activities' fingerprint on multitrophic biodiversity and ecosystem functions across a major river catchment in China. Global Change Biology, 2020, 26, 6867-6879.	4.2	56

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55	Effects of PCBs and MeSO2â€“PCBs on adrenocortical steroidogenesis in H295R human adrenocortical carcinoma cells. Chemosphere, 2006, 63, 772-784.	4.2	54
56	eDNA metabarcoding in zooplankton improves the ecological status assessment of aquatic ecosystems. Environment International, 2020, 134, 105230.	4.8	53
57	Zooplankton Community Profiling in a Eutrophic Freshwater Ecosystem-Lake Tai Basin by DNA Metabarcoding. Scientific Reports, 2017, 7, 1773.	1.6	52
58	A combined hydraulic and toxicological approach to assess re-suspended sediments during simulated flood events. Part Iâ€“multiple biomarkers in rainbow trout. Journal of Soils and Sediments, 2010, 10, 1347-1361.	1.5	50
59	Dioxin-like Potency of HO- and MeO- Analogues of PBDEsâ€™ the Potential Risk through Consumption of Fish from Eastern China. Environmental Science & Technology, 2012, 46, 10781-10788.	4.6	50
60	Multiple bio-analytical methods to reveal possible molecular mechanisms of developmental toxicity in zebrafish embryos/larvae exposed to tris(2-butoxyethyl) phosphate. Aquatic Toxicology, 2014, 150, 175-181.	1.9	48
61	Toxicity and multigenerational effects of bisphenol S exposure to Caenorhabditis elegans on developmental, biochemical, reproductive and oxidative stress. Toxicology Research, 2019, 8, 630-640.	0.9	48
62	Timeâ€Dependent transcriptional profiles of genes of the hypothalamicâ€pituitaryâ€gonadal axis in medaka (Oryzias latipes) exposed to fadrozole and 17Î²â€trenbolone. Environmental Toxicology and Chemistry, 2008, 27, 2504-2511.	2.2	47
63	eDNA-based bioassessment of coastal sediments impacted by an oil spill. Environmental Pollution, 2018, 238, 739-748.	3.7	47
64	Functional Toxicogenomic Assessment of Triclosan in Human HepG2 Cells Using Genome-Wide CRISPR-Cas9 Screening. Environmental Science & Technology, 2016, 50, 10682-10692.	4.6	45
65	Benchmarking Water Quality from Wastewater to Drinking Waters Using Reduced Transcriptome of Human Cells. Environmental Science & Technology, 2017, 51, 9318-9326.	4.6	45
66	Environmental DNA Shaping a New Era of Ecotoxicological Research. Environmental Science & Technology, 2019, 53, 5605-5612.	4.6	45
67	Structures of Endocrine-Disrupting Chemicals Determine Binding to and Activation of the Estrogen Receptor Î± and Androgen Receptor. Environmental Science & Technology, 2020, 54, 11424-11433.	4.6	45
68	Predicting chemical impacts on vertebrate endocrine systems. Environmental Toxicology and Chemistry, 2011, 30, 39-51.	2.2	44
69	A Reduced Transcriptome Approach to Assess Environmental Toxicants Using Zebrafish Embryo Test. Environmental Science & Technology, 2018, 52, 821-830.	4.6	44
70	Application of Environmental DNA Metabarcoding for Predicting Anthropogenic Pollution in Rivers. Environmental Science & Technology, 2018, 52, 11708-11719.	4.6	44
71	Production of reactive oxygen species and 8-hydroxy-2â€²deoxyguanosine in KB cells co-exposed to benzo[a]pyrene and UV-A radiation. Chemosphere, 2004, 55, 1303-1308.	4.2	43
72	Monitoring of non-destructive sampling strategies to assess the exposure of avian species in Jiangsu Province, China to heavy metals. Environmental Science and Pollution Research, 2014, 21, 2898-2906.	2.7	42

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73	Effects of Î²â€endosulfan on the growth and reproduction of zebrafish (Danio rerio). Environmental Toxicology and Chemistry, 2011, 30, 2525-2531.	2.2	41
74	Environmental DNA metabarcoding reveals primary chemical contaminants in freshwater sediments from different land-use types. Chemosphere, 2017, 172, 201-209.	4.2	41
75	Mechanisms of Toxicity of Hydroxylated Polybrominated Diphenyl Ethers (HO-PBDEs) Determined by Toxicogenomic Analysis with a Live Cell Array Coupled with Mutagenesis in Escherichia coli. Environmental Science & Technology, 2014, 48, 5929-5937.	4.6	40
76	Modulation of steroidogenesis by coastal waters and sewage effluents of Hong Kong, China, using the H295R assay. Environmental Science and Pollution Research, 2008, 15, 332-343.	2.7	39
77	Toxicogenomic Mechanisms of 6-HO-BDE-47, 6-MeO-BDE-47, and BDE-47 in E. coli. Environmental Science & Technology, 2012, 46, 1185-1191.	4.6	39
78	Influence of blooms of phytoplankton on concentrations of hydrophobic organic chemicals in sediments and snails in a hyper-eutrophic, freshwater lake. Water Research, 2017, 113, 22-31.	5.3	39
79	One planet: one health. A call to support the initiative on a global scienceâ€“policy body on chemicals and waste. Environmental Sciences Europe, 2022, 34, 21.	2.6	39
80	Effects of fluorotelomer alcohol 8:2 FTOH on steroidogenesis in H295R cells: Targeting the cAMP signalling cascade. Toxicology and Applied Pharmacology, 2010, 247, 222-228.	1.3	38
81	Occurrence of additive brominated flame retardants in aquatic organisms from Tai Lake and Yangtze River in Eastern China, 2009â€“2012. Chemosphere, 2014, 114, 340-346.	4.2	38
82	Toward Sustainable Environmental Quality: Priority Research Questions for Asia. Environmental Toxicology and Chemistry, 2020, 39, 1485-1505.	2.2	38
83	In vitro profiling of endocrine disrupting potency of 2,2â€²,4,4â€²-tetrabromodiphenyl ether (BDE47) and related hydroxylated analogs (HO-PBDEs). Marine Pollution Bulletin, 2011, 63, 287-296.	2.3	37
84	Identification of Thyroid Hormone Disruptors among HO-PBDEs: In Vitro Investigations and Coregulator Involved Simulations. Environmental Science & Technology, 2016, 50, 12429-12438.	4.6	37
85	Toxicology Advances for 21st Century Chemical Pollution. One Earth, 2020, 2, 312-316.	3.6	37
86	Bioassay-directed identification of organic toxicants in water and sediment of Tai Lake, China. Water Research, 2015, 73, 231-241.	5.3	35
87	Effects of HO-/MeO-PBDEs on Androgen Receptor: In Vitro Investigation and Helix 12-Involved MD Simulation. Environmental Science & Technology, 2013, 47, 11802-11809.	4.6	34
88	Modulation of steroidogenic gene expression and hormone synthesis in H295R cells exposed to PCP and TCP. Toxicology, 2011, 282, 146-153.	2.0	33
89	Endocrine effects of methoxylated brominated diphenyl ethers in three in vitro models. Marine Pollution Bulletin, 2011, 62, 2356-2361.	2.3	32
90	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.	4.2	31

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91	Use of prospective and retrospective risk assessment methods that simplify chemical mixtures associated with treated domestic wastewater discharges. Environmental Toxicology and Chemistry, 2018, 37, 690-702.	2.2	31
92	Bioanalytical and instrumental analysis of thyroid hormone disrupting compounds in water sources along the Yangtze River. Environmental Pollution, 2011, 159, 441-448.	3.7	30
93	Effect-Directed Analysis of Aryl Hydrocarbon Receptor Agonists in Sediments from the Three Gorges Reservoir, China. Environmental Science & Technology, 2016, 50, 11319-11328.	4.6	30
94	Environmental DNA Metabarcoding Supporting Community Assessment of Environmental Stressors in a Field-Based Sediment Microcosm Study. Environmental Science & Technology, 2018, 52, 14469-14479.	4.6	30
95	Copper Affects Composition and Functioning of Microbial Communities in Marine Biofilms at Environmentally Relevant Concentrations. Frontiers in Microbiology, 2018, 9, 3248.	1.5	30
96	eDNA biomonitoring revealed the ecological effects of water diversion projects between Yangtze River and Tai Lake. Water Research, 2022, 210, 117994.	5.3	30
97	Species-specific considerations in using the fish embryo test as an alternative to identify endocrine disruption. Aquatic Toxicology, 2014, 155, 62-72.	1.9	29
98	Maternal transfer, distribution, and metabolism of BDE-47 and its related hydroxylated, methoxylated analogs in zebrafish (Danio rerio). Chemosphere, 2015, 120, 31-36.	4.2	29
99	Chemical-, site-, and taxa-dependent benthic community health in coastal areas of the Bohai Sea and northern Yellow Sea: A sediment quality triad approach. Science of the Total Environment, 2018, 645, 743-752.	3.9	29
100	Water quality guidelines for chemicals: learning lessons to deliver meaningful environmental metrics. Environmental Science and Pollution Research, 2014, 21, 6-16.	2.7	28
101	Short-term exposure of arsenite disrupted thyroid endocrine system and altered gene transcription in the HPT axis in zebrafish. Environmental Pollution, 2015, 205, 145-152.	3.7	28
102	eDNA metabarcoding revealed differential structures of aquatic communities in a dynamic freshwater ecosystem shaped by habitat heterogeneity. Environmental Research, 2021, 201, 111602.	3.7	28
103	Organochlorines and dioxin-like compounds in green-lipped mussels Perna viridis from Hong Kong mariculture zones. Marine Pollution Bulletin, 2005, 51, 677-687.	2.3	27
104	A comparison of statistical methods for deriving freshwater quality criteria for the protection of aquatic organisms. Environmental Science and Pollution Research, 2014, 21, 159-167.	2.7	27
105	Fluorescence in situ hybridization techniques (FISH) to detect changes in CYP19a gene expression of Japanese medaka (Oryzias latipes). Toxicology and Applied Pharmacology, 2008, 232, 226-235.	1.3	26
106	Effects of subchronic exposure of early life stages of white sturgeon (<i>Acipenser) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (transm 2497-2505.	2.2	26
107	Comparison on the molecular response profiles between nano zinc oxide (ZnO) particles and free zinc ion using a genome-wide toxicogenomics approach. Environmental Science and Pollution Research, 2015, 22, 17434-17442.	2.7	26
108	p53, MAPKAPK-2 and caspases regulate nickel oxide nanoparticles induce cell death and cytogenetic anomalies in rats. International Journal of Biological Macromolecules, 2017, 105, 228-237.	3.6	26

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109	Sedimentary DNA reveals over 150â€¯years of ecosystem change by human activities in Lake Chao, China. Environment International, 2019, 133, 105214.	4.8	25
110	A Tiered Approach for Screening and Assessment of Environmental Mixtures by Omics and In Vitro Assays. Environmental Science & Technology, 2020, 54, 7430-7439.	4.6	24
111	Zebrafish embryos/larvae for rapid determination of effects on hypothalamic-pituitary-thyroid (HPT) and hypothalamic-pituitary-interrenal (HPI) axis: mRNA expression. Chemosphere, 2013, 93, 2327-2332.	4.2	23
112	Detecting copper toxicity in sediments: from the subindividual level to the population level. Journal of Applied Ecology, 2017, 54, 1331-1342.	1.9	23
113	Sensitive community responses of microbiota to copper in sediment toxicity test. Environmental Toxicology and Chemistry, 2018, 37, 599-608.	2.2	23
114	Heavy metals in seawater, sediments, and biota from the coastal area of Yancheng City, China. Environmental Toxicology and Chemistry, 2014, 33, 1697-1704.	2.2	22
115	Causes of endocrine disrupting potencies in surface water in East China. Chemosphere, 2016, 144, 1435-1442.	4.2	22
116	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.	2.7	22
117	Bioavailability-based assessment of aryl hydrocarbon receptor-mediated activity in Lake Tai Basin from Eastern China. Science of the Total Environment, 2016, 544, 987-994.	3.9	21
118	Spatial distribution and hazard of halogenated flame retardants and polychlorinated biphenyls to common kingfisher (Alcedo atthis) from a region of South China affected by electronic waste recycling. Environment International, 2019, 130, 104952.	4.8	21
119	Risk assessment of chlorantraniliprole pesticide use in rice-crab coculture systems in the basin of the lower reaches of the Yangtze River in China. Chemosphere, 2019, 230, 440-448.	4.2	21
120	Pathway-based assessment of single chemicals and mixtures by a high-throughput transcriptomics approach. Environment International, 2020, 136, 105455.	4.8	21
121	Indigenous species barcode database improves the identification of zooplankton. PLoS ONE, 2017, 12, e0185697.	1.1	21
122	Characterization of a bystander effect induced by the endocrine-disrupting chemical 6-propyl-2-thiouracil in zebrafish embryos. Aquatic Toxicology, 2012, 118-119, 108-115.	1.9	20
123	Effects of multigenerational exposures of D. magna to environmentally relevant concentrations of pentachlorophenol. Environmental Science and Pollution Research, 2014, 21, 234-243.	2.7	20
124	Activation of Avian Aryl Hydrocarbon Receptor and Inter-species Sensitivity Variations by Polychlorinated Diphenylsulfides. Environmental Science & Technology, 2014, 48, 10948-10956.	4.6	20
125	Perfluoroalkyl acids in the water cycle from a freshwater river basin to coastal waters in eastern China. Chemosphere, 2017, 168, 390-398.	4.2	20
126	Structures of Endocrine-Disrupting Chemicals Correlate with the Activation of 12 Classic Nuclear Receptors. Environmental Science & Technology, 2021, 55, 16552-16562.	4.6	20

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127	Endocrine disruption effects of 2,2â€²,4,4â€²,6-pentabromodiphenylether (BDE100) in reporter gene assays. Journal of Environmental Monitoring, 2011, 13, 850.	2.1	19
128	In situ microbiota distinguished primary anthropogenic stressor in freshwater sediments. Environmental Pollution, 2018, 239, 189-197.	3.7	19
129	Molecular Initiating Events of Bisphenols on Androgen Receptor-Mediated Pathways Provide Guidelines for in Silico Screening and Design of Substitute Compounds. Environmental Science and Technology Letters, 2019, 6, 205-210.	3.9	19
130	Probabilistic ecological risk assessment for three chlorophenols in surface waters of China. Journal of Environmental Sciences, 2012, 24, 329-334.	3.2	18
131	Activation of AhR-mediated toxicity pathway by emerging pollutants polychlorinated diphenyl sulfides. Chemosphere, 2016, 144, 1754-1762.	4.2	18
132	A high-throughput, computational system to predict if environmental contaminants can bind to human nuclear receptors. Science of the Total Environment, 2017, 576, 609-616.	3.9	18
133	Occurrences and patterns of residual organochlorine pesticides (OCPs) in cultured Chinese mitten crab (Eriocheir sinensis) in China: concentrations, sources, and a human health risk assessment. Environmental Science and Pollution Research, 2019, 26, 4952-4960.	2.7	18
134	Consideration of Multitrophic Biodiversity and Ecosystem Functions Improves Indices on River Ecological Status. Environmental Science & Technology, 2021, 55, 16434-16444.	4.6	18
135	Advanced fluorescence in situ hybridization to localize and quantify gene expression in Japanese medaka (Oryzias latipes) exposed to endocrineâ€disrupting compounds. Environmental Toxicology and Chemistry, 2009, 28, 1951-1962.	2.2	17
136	Occurrence and Potential Causes of Androgenic Activities in Source and Drinking Water in China. Environmental Science & Technology, 2013, 47, 130828135947000.	4.6	17
137	Impairment of reproduction of adult zebrafish (Danio rerio) by binary mixtures of environmentally relevant concentrations of triclocarban and inorganic mercury. Ecotoxicology and Environmental Safety, 2016, 134, 124-132.	2.9	17
138	Toxicogenomic Assessment of 6-OH-BDE47-Induced Developmental Toxicity in Chicken Embryos. Environmental Science & Technology, 2016, 50, 12493-12503.	4.6	17
139	Environmental risk assessment of polycyclic musks HHCB and AHTN in consumer product chemicals in China. Science of the Total Environment, 2017, 599-600, 771-779.	3.9	17
140	High-throughput transcriptomics: An insight on the pathways affected in HepG2 cells exposed to nickel oxide nanoparticles. Chemosphere, 2020, 244, 125488.	4.2	17
141	Oral Exposure to 1,4-Dioxane Induces Hepatic Inflammation in Mice: The Potential Promoting Effect of the Gut Microbiome. Environmental Science & Technology, 2020, 54, 10149-10158.	4.6	17
142	Mechanisms of toxicity of triphenyltin chloride (TPTC) determined by a live cell reporter array. Environmental Science and Pollution Research, 2013, 20, 803-811.	2.7	16
143	Dioxin-like activity in sediments from Tai Lake, China determined by use of the H4IIE-luc bioassay and quantification of individual AhR agonists. Environmental Science and Pollution Research, 2014, 21, 1480-1488.	2.7	16
144	Extended Virtual Screening Strategies To Link Antiandrogenic Activities and Detected Organic Contaminants in Soils. Environmental Science & Technology, 2017, 51, 12528-12536.	4.6	16

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145	Bisphenol S increases the obesogenic effects of a high-glucose diet through regulating lipid metabolism in Caenorhabditis elegans. Food Chemistry, 2021, 339, 127813.	4.2	16
146	Tris(2-butoxyethyl) phosphate (TBEP): A flame retardant in solid waste display hepatotoxic and carcinogenic risks for humans. Chemosphere, 2022, 296, 133977.	4.2	16
147	Microbial reporter gene assay as a diagnostic and early warning tool for the detection and characterization of toxic pollution in surface waters. Environmental Toxicology and Chemistry, 2015, 34, 2523-2532.	2.2	15
148	Classification and toxicity mechanisms of novel flame retardants (NFRs) based on whole genome expression profiling. Chemosphere, 2016, 144, 2150-2157.	4.2	15
149	Phthalate Esters on Hands of Office Workers: Estimating the Influence of Touching Surfaces. Environmental Science and Technology Letters, 2017, 4, 1-5.	3.9	15
150	Cross-Model Comparison of Transcriptomic Doseâ€“Response of Short-Chain Chlorinated Paraffins. Environmental Science & Technology, 2021, 55, 8149-8158.	4.6	15
151	In vitro dioxin-like potencies of HO- and MeO-PBDEs and inter-species sensitivity variation in birds. Ecotoxicology and Environmental Safety, 2016, 126, 202-210.	2.9	14
152	Classification of Chemicals Based on Concentration-Dependent Toxicological Data Using ToxClust. Environmental Science & Technology, 2009, 43, 3926-3932.	4.6	13
153	Concentration-dependent transcriptome of zebrafish embryo for environmental chemical assessment. Chemosphere, 2020, 245, 125632.	4.2	13
154	Development of the transcriptome for a sediment ecotoxicological model species, Chironomus dilutus. Chemosphere, 2020, 244, 125541.	4.2	13
155	Molecular fingerprints of conazoles via functional genomic profiling of. Toxicology in Vitro, 2020, 69, 104998.	1.1	13
156	Recent advances in environmental DNAâ€based biodiversity assessment and conservation. Diversity and Distributions, 2021, 27, 1876-1879.	1.9	13
157	Gap analysis for DNA-based biomonitoring of aquatic ecosystems in China. Ecological Indicators, 2022, 137, 108732.	2.6	13
158	Early Life Stage Bioactivity Assessment of Short-Chain Chlorinated Paraffins at Environmentally Relevant Concentrations by Concentration-Dependent Transcriptomic Analysis of Zebrafish Embryos. Environmental Science & Technology, 2020, 54, 996-1004.	4.6	12
159	Residues of organophosphorus insecticides in sediment around a highly eutrophic lake, Eastern China. Journal of Soils and Sediments, 2015, 15, 436-444.	1.5	11
160	Mechanistic in silico modeling of bisphenols to predict estrogen and glucocorticoid disrupting potentials. Science of the Total Environment, 2020, 728, 138854.	3.9	11
161	Organophosphorus Flame Retardant TDCPP Displays Genotoxic and Carcinogenic Risks in Human Liver Cells. Cells, 2022, 11, 195.	1.8	11
162	In situ hybridization to detect spatial gene expression in medaka. Ecotoxicology and Environmental Safety, 2009, 72, 1257-1264.	2.9	10

#	Article	IF	Citations
163	Biodirected Identification of Untargeted Toxicants in Industrial Wastewater Guides the Upgrading of Water Treatments. Environmental Science and Technology Letters, 2021, 8, 474-481.	3.9	10
164	Toxicological Mechanism of Individual Susceptibility to Formaldehyde-Induced Respiratory Effects. Environmental Science & Technology, 2022, 56, 6511-6524.	4.6	10
165	Metal-Organic Frameworks Decorated Cu2O Heterogeneous Catalysts for Selective Oxidation of Styrene. Catalysts, 2022, 12, 487.	1.6	10
166	Effect-Directed Analysis Based on the Reduced Human Transcriptome (RHT) to Identify Organic Contaminants in Source and Tap Waters along the Yangtze River. Environmental Science & Technology, 2022, 56, 7840-7852.	4.6	10
167	Differential reconstructed gene interaction networks for deriving toxicity threshold in chemical risk assessment. BMC Bioinformatics, 2013, 14, S3.	1.2	9
168	Directly imaging the structureâ€“property correlation of perovskites in crystalline microwires. Journal of Materials Chemistry A, 2019, 7, 13305-13314.	5.2	9
169	Sequencing and characterization of mixed function monooxygenase genes CYP1A1 and CYP1A2 of Mink (Mustela vison) to facilitate study of dioxin-like compounds. Toxicology and Applied Pharmacology, 2009, 234, 306-313.	1.3	8
170	Identification of androgen receptor antagonists: InÂvitro investigation and classification methodology for flavonoid. Chemosphere, 2016, 158, 72-79.	4.2	8
171	A meeting framework for inclusive and sustainable science. Nature Ecology and Evolution, 2020, 4, 668-671.	3.4	8
172	Assessment of fibrotic pathways induced by environmental chemicals using 3D-human liver microtissue model. Environmental Research, 2021, 194, 110679.	3.7	8
173	3D-QSAR and Molecular Docking Studies on Benzotriazoles as Antiproliferative Agents and Histone Deacetylase Inhibitors. Bulletin of the Korean Chemical Society, 2013, 34, 2387-2393.	1.0	8
174	Holistic Impact Evaluation of Human Activities on the Coastal Fish Biodiversity in the Chinese Coastal Environment. Environmental Science & Technology, 2022, 56, 6574-6583.	4.6	8
175	Biochemical responses and DNA damage in red sea bream from coastal Fujian Province, China. Ecotoxicology and Environmental Safety, 2011, 74, 1526-1535.	2.9	7
176	Functional genomics assessment of narcotic and specific acting chemical pollutants using E.Âcoli. Environmental Pollution, 2018, 232, 146-153.	3.7	7
177	Down-Regulation of hspb9 and hspb11 Contributes to Wavy Notochord in Zebrafish Embryos Following Exposure to Polychlorinated Diphenylsulfides. Environmental Science & Technology, 2018, 52, 12829-12840.	4.6	7
178	Bisphenol S promotes fat storage in multiple generations of Caenorhabditis elegans in a daf-16/nhr-49 dependent manner. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 250, 109175.	1.3	7
179	Allosteric binding on nuclear receptors: Insights on screening of non-competitive endocrine-disrupting chemicals. Environment International, 2022, 159, 107009.	4.8	7
180	Occurrence, partitioning, and bioaccumulation of an emerging class of PBT substances (polychlorinated diphenyl sulfides) in Chaohu Lake, Southeast China. Water Research, 2022, 218, 118498.	5.3	7

#	Article	IF	Citations
181	Hepatic P450 Enzyme Activity, Tissue Morphology and Histology of Mink (Mustela vison) Exposed to Polychlorinated Dibenzofurans. Archives of Environmental Contamination and Toxicology, 2009, 57, 416-425.	2.1	6
182	Biological analysis of endocrine-disrupting chemicals in animal meats from the Pearl River Delta, China. Journal of Exposure Science and Environmental Epidemiology, 2012, 22, 93-100.	1.8	6
183	Relative Potencies of Aroclor Mixtures Derived from Avian in Vitro Bioassays: Comparisons with Calculated Toxic Equivalents. Environmental Science & Technology, 2013, 47, 130717130452005.	4.6	6
184	Qualitative and quantitative simulation of androgen receptor antagonists: A case study of polybrominated diphenyl ethers. Science of the Total Environment, 2017, 603-604, 495-501.	3.9	6
185	A qPCR method to quantify bioavailable phosphorus using indigenous aquatic species. Environmental Sciences Europe, 2018, 30, 32.	2.6	6
186	Polychlorinated Diphenyl Sulfides: An Emerging Class of Persistent, Bioaccumulative, and Toxic Substances in the Environment. Environmental Toxicology and Chemistry, 2021, 40, 2657-2666.	2.2	6
187	CRISPR screen identified that UGT1A9 was required for bisphenols-induced mitochondria dyshomeostasis. Environmental Research, 2022, 205, 112427.	3.7	6
188	Using In Vitro and Machine Learning Approaches to Determine Species-Specific Dioxin-like Potency and Congener-Specific Relative Sensitivity among Birds for Brominated Dioxin Analogues. Environmental Science & Technology, 2021, 55, 16056-16066.	4.6	6
189	Modulation of estrogen synthesis through activation of protein kinase A in H295R cells by extracts of estuary sediments. Environmental Toxicology and Chemistry, 2011, 30, 2793-2801.	2.2	5
190	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.	4.8	5
191	Identification of (anti-)androgenic activities and risks of sludges from industrial and domestic wastewater treatment plants. Environmental Pollution, 2021, 268, 115716.	3.7	5
192	Searching for novel modes of toxic actions of oil spill using E.Âcoli live cell array reporter system â€“ A Hebei Spirit oil spill study. Chemosphere, 2017, 169, 669-677.	4.2	4
193	Functional genomic assessment of 2, 2-bis (bromomethyl)-1, 3-propanediol induced cytotoxicity in a single-gene knockout library of E.Âcoli. Chemosphere, 2017, 185, 582-588.	4.2	4
194	Elevated CO2 accelerates polycyclic aromatic hydrocarbon accumulation in a paddy soil grown with rice. PLoS ONE, 2018, 13, e0196439.	1.1	4
195	Evidence-based assessment on environmental mixture using a concentration-dependent transcriptomics approach. Environmental Pollution, 2020, 265, 114839.	3.7	4
196	Assessment of genotoxic chemicals using chemogenomic profiling based on gene-knockout library in Saccharomyces cerevisiae. Toxicology in Vitro, 2022, 79, 105278.	1.1	4
197	Incidence of jaw lesions and activity and gene expression of hepatic P4501A enzymes in mink (Mustela vison) exposed to dietary 2,3,7,8â€tetrachlorodibenzoâ€pâ€dioxin, 2,3,7,8â€tetrachlorodibenzofuran, and 2,3,4,7,8â€pentachlorodibenzofuran. Environmental Toxicology and Chemistry, 2012, 31, 2545-2556.	2.2	3
198	Signal transduction disturbance related to hepatocarcinogenesis in mouse by prolonged exposure to Nanjing drinking water. Environmental Science and Pollution Research, 2013, 20, 6468-6481.	2.7	3

#	Article	IF	Citations
199	Dose-Dependent Transcriptomic Approach for Mechanistic Screening in Chemical Risk Assessment. , 2020, , 33-56.		3
200	Evaluation of dioxin induced transcriptomic responses in a 3D human liver microtissue model. Environmental Research, 2022, 210, 112906.	3.7	3
201	An in situ toxicity identification and evaluation water analysis system: Laboratory validation. Environmental Toxicology and Chemistry, 2017, 36, 1636-1643.	2.2	2
202	Relative sensitivities among avian species to individual and mixtures of aryl hydrocarbon receptorâ€“active compounds. Environmental Toxicology and Chemistry, 2016, 35, 1239-1246.	2.2	1
203	Toxicology of Water. Exs, 2012, 101, 21-46.	1.4	0
204	Coastal ecosystem in East Asia: Pollution and management. Environmental Pollution, 2019, 251, 990-992.	3.7	0
205	Coastal ecosystem in East Asia: Pollution and management. Environment International, 2021, 149, 106185.	4.8	0
206	CRISPR approach in environmental chemical screening focusing on population variability. Journal of Toxicological Sciences, 2021, 46, 499-507.	0.7	0