Xiao-Wei Zhang

List of Publications by Citations

198 papers	7,247 citations	47 h-index	77 g-index
210 ext. papers	8,685 ext. citations	7.8 avg, IF	5.9 L-index

#	Paper	IF	Citations
198	Where less may be more: how the rare biosphere pulls ecosystems strings. *ISME Journal*, **2017**, 11, 853-862	10.9	460
197	Benchmarking organic micropollutants in wastewater, recycled water and drinking water with in vitro bioassays. *Environmental Science & Technology*, **2014**, 48, 1940-56	10.3	295
196	Occurrence of organophosphate flame retardants in drinking water from China. *Water Research*, **2014**, 54, 53-61	12.5	199
195	Future water quality monitoring--adapting tools to deal with mixtures of pollutants in water resource management. *Science of the Total Environment*, **2015**, 512-513, 540-551	10.2	198
194	Origin of hydroxylated brominated diphenyl ethers: natural compounds or man-made flame retardants?. *Environmental Science & Technology*, **2009**, 43, 7536-42	10.3	196
193	Endocrine disruption and consequences of chronic exposure to ibuprofen in Japanese medaka (Oryzias latipes) and freshwater cladocerans Daphnia magna and Moina macrocopa. *Aquatic Toxicology*, **2010**, 98, 256-264	5.1	184
192	Effect of perinatal and postnatal bisphenol A exposure to the regulatory circuits at the hypothalamus-pituitary-gonadal axis of CD-1 mice. *Reproductive Toxicology*, **2011**, 31, 409-17	3.4	168
191	Polybrominated diphenyl ethers and their hydroxylated/methoxylated analogs: environmental sources, metabolic relationships, and relative toxicities. *Marine Pollution Bulletin*, **2011**, 63, 179-88	6.7	156
190	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	10.2	149
189	Risk and toxicity assessments of heavy metals in sediments and fishes from the Yangtze River and Taihu Lake, China. *Chemosphere*, **2013**, 93, 1887-95	8.4	143
188	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	4.4	140
187	Real-time PCR array to study effects of chemicals on the Hypothalamic-Pituitary-Gonadal axis of the Japanese medaka. *Aquatic Toxicology*, **2008**, 88, 173-82	5.1	112
186	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, 147-57	5.1	102
185	Bisphenol A disrupts steroidogenesis in human H295R cells. *Toxicological Sciences*, **2011**, 121, 320-7	4.4	99
184	Interconversion of hydroxylated and methoxylated polybrominated diphenyl ethers in Japanese medaka. *Environmental Science & Technology*, **2010**, 44, 8729-35	10.3	94
183	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	9.3	93
182	Effects of prochloraz or propylthiouracil on the cross-talk between the HPG, HPA, and HPT axes in zebrafish. *Environmental Science & Technology*, **2011**, 45, 769-75	10.3	91

181	Quantitative RT-PCR methods for evaluating toxicant-induced effects on steroidogenesis using the H295R cell line. *Environmental Science & Technology*, **2005**, 39, 2777-85	10.3	91
180	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, 173-81	5.1	88
179	Adverse outcome pathway networks I: Development and applications. *Environmental Toxicology and Chemistry*, **2018**, 37, 1723-1733	3.8	87
178	Occurrence of thyroid hormone activities in drinking water from eastern China: contributions of phthalate esters. *Environmental Science & Technology*, **2012**, 46, 1811-8	10.3	83
177	Simultaneous quantification of multiple classes of phenolic compounds in blood plasma by liquid chromatography-electrospray tandem mass spectrometry. *Journal of Chromatography A*, **2010**, 1217, 506-13	4.5	83
176	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,	5	82
175	Non-Target and Suspect Screening of Per- and Polyfluoroalkyl Substances in Airborne Particulate Matter in China. *Environmental Science & Technology*, **2018**, 52, 8205-8214	10.3	77
174	Solution by dilution?--A review on the pollution status of the Yangtze River. *Environmental Science and Pollution Research*, **2013**, 20, 6934-71	5.1	76
173	Responses of the medaka HPG axis PCR array and reproduction to prochloraz and ketoconazole. *Environmental Science & Technology*, **2008**, 42, 6762-9	10.3	76
172	The H295R system for evaluation of endocrine-disrupting effects. *Ecotoxicology and Environmental Safety*, **2006**, 65, 293-305	7	76
171	Effect of ozonation on the estrogenicity and androgenicity of oil sands process-affected water. *Environmental Science & Technology*, **2011**, 45, 6268-74	10.3	75
170	Omics Advances in Ecotoxicology. *Environmental Science & Technology*, **2018**, 52, 3842-3851	10.3	71
169	Ozonation attenuates the steroidogenic disruptive effects of sediment free oil sands process water in the H295R cell line. *Chemosphere*, **2010**, 80, 578-84	8.4	70
168	Using in situ bacterial communities to monitor contaminants in river sediments. *Environmental Pollution*, **2016**, 212, 348-357	9.3	69
167	Occurrence of perfluoroalkyl acids including perfluorooctane sulfonate isomers in Huai River Basin and Taihu Lake in Jiangsu Province, China. *Environmental Science & Technology*, **2013**, 47, 710-7	10.3	68
166	Adverse outcome pathway networks II: Network analytics. *Environmental Toxicology and Chemistry*, **2018**, 37, 1734-1748	3.8	67
165	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	4.9	67
164	Risks posed by trace organic contaminants in coastal sediments in the Pearl River Delta, China. *Marine Pollution Bulletin*, **2005**, 50, 1036-49	6.7	65

163	A critical review of synthetic chemicals in surface waters of the US, the EU and China. *Environment International*, **2019**, 131, 104994	12.9	57
162	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, 1823-33	10.3	56
161	Dietary intake of polybrominated diphenyl ethers (PBDEs) and polychlorinated biphenyls (PCBs) from fish and meat by residents of Nanjing, China. *Environment International*, **2012**, 42, 138-43	12.9	54
160	Ecogenomics of Zooplankton Community Reveals Ecological Threshold of Ammonia Nitrogen. *Environmental Science & Technology*, **2017**, 51, 3057-3064	10.3	53
159	Modulation of steroidogenic gene expression and hormone production of H295R cells by pharmaceuticals and other environmentally active compounds. *Toxicology and Applied Pharmacology*, **2007**, 225, 142-53	4.6	52
158	Thyroid hormone disrupting activities associated with phthalate esters in water sources from Yangtze River Delta. *Environment International*, **2012**, 42, 117-23	12.9	51
157	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	12.8	51
156	Assessing the toxicity of naphthenic acids using a microbial genome wide live cell reporter array system. *Environmental Science & Technology*, **2011**, 45, 1984-91	10.3	50
155	Identification of trace organic pollutants in freshwater sources in Eastern China and estimation of their associated human health risks. *Ecotoxicology*, **2011**, 20, 1099-106	2.9	49
154	Acid mine drainage affects the diversity and metal resistance gene profile of sediment bacterial community along a river. *Chemosphere*, **2019**, 217, 790-799	8.4	48
153	Assessment of chemical effects on aromatase activity using the H295R cell line. *Environmental Science and Pollution Research*, **2010**, 17, 1137-48	5.1	47
152	Effects of PCBs and MeSO2-PCBs on adrenocortical steroidogenesis in H295R human adrenocortical carcinoma cells. *Chemosphere*, **2006**, 63, 772-84	8.4	47
151	Elevated CO levels modify TiO nanoparticle effects on rice and soil microbial communities. *Science of the Total Environment*, **2017**, 578, 408-416	10.2	46
150	Dioxin-like potency of HO- and MeO- analogues of PBDEsSthe potential risk through consumption of fish from eastern China. *Environmental Science & Technology*, **2012**, 46, 10781-8	10.3	46
149	A combined hydraulic and toxicological approach to assess re-suspended sediments during simulated flood events. Part IEhultiple biomarkers in rainbow trout. *Journal of Soils and Sediments*, **2010**, 10, 1347-1361	3.4	46
148	Advancing the adverse outcome pathway framework-An international horizon scanning approach. *Environmental Toxicology and Chemistry*, **2017**, 36, 1411-1421	3.8	45
147	Time-dependent transcriptional profiles of genes of the hypothalamic-pituitary-gonadal axis in medaka (Oryzias latipes) exposed to fadrozole and 17beta-trenbolone. *Environmental Toxicology and Chemistry*, **2008**, 27, 2504-11	3.8	43
146	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, 175-81	5.1	42

145	Responses of earthworms and microbial communities in their guts to Triclosan. *Chemosphere*, **2017**, 168, 1194-1202	8.4	39
144	Production of reactive oxygen species and 8-hydroxy-2′-deoxyguanosine in KB cells co-exposed to benzo[a]pyrene and UV-A radiation. *Chemosphere*, **2004**, 55, 1303-8	8.4	39
143	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, 5929-37	10.3	38
142	Effects of captivity and artificial breeding on microbiota in feces of the red-crowned crane (Grus japonensis). *Scientific Reports*, **2016**, 6, 33350	4.9	37
141	Toxicogenomic mechanisms of 6-HO-BDE-47, 6-MeO-BDE-47, and BDE-47 in E. coli. *Environmental Science & Technology*, **2012**, 46, 1185-91	10.3	37
140	Predicting chemical impacts on vertebrate endocrine systems. *Environmental Toxicology and Chemistry*, **2011**, 30, 39-51	3.8	35
139	Functional Toxicogenomic Assessment of Triclosan in Human HepG2 Cells Using Genome-Wide CRISPR-Cas9 Screening. *Environmental Science & Technology*, **2016**, 50, 10682-10692	10.3	35
138	Occurrence of additive brominated flame retardants in aquatic organisms from Tai Lake and Yangtze River in Eastern China, 2009-2012. *Chemosphere*, **2014**, 114, 340-6	8.4	34
137	Zooplankton Community Profiling in a Eutrophic Freshwater Ecosystem-Lake Tai Basin by DNA Metabarcoding. *Scientific Reports*, **2017**, 7, 1773	4.9	34
136	In vitro profiling of endocrine disrupting potency of 2,2′,4,4′-tetrabromodiphenyl ether (BDE47) and related hydroxylated analogs (HO-PBDEs). *Marine Pollution Bulletin*, **2011**, 63, 287-96	6.7	34
135	Effects of fluorotelomer alcohol 8:2 FTOH on steroidogenesis in H295R cells: targeting the cAMP signalling cascade. *Toxicology and Applied Pharmacology*, **2010**, 247, 222-8	4.6	34
134	Modulation of steroidogenesis by coastal waters and sewage effluents of Hong Kong, China, using the H295R assay. *Environmental Science and Pollution Research*, **2008**, 15, 332-43	5.1	34
133	A Reduced Transcriptome Approach to Assess Environmental Toxicants Using Zebrafish Embryo Test. *Environmental Science & Technology*, **2018**, 52, 821-830	10.3	34
132	Environmental DNA metabarcoding reveals primary chemical contaminants in freshwater sediments from different land-use types. *Chemosphere*, **2017**, 172, 201-209	8.4	32
131	eDNA-based bioassessment of coastal sediments impacted by an oil spill. *Environmental Pollution*, **2018**, 238, 739-748	9.3	32
130	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, 2898-906	5.1	32
129	Effects of Ɛ-endosulfan on the growth and reproduction of zebrafish (Danio rerio). *Environmental Toxicology and Chemistry*, **2011**, 30, 2525-31	3.8	32
128	Modulation of steroidogenic gene expression and hormone synthesis in H295R cells exposed to PCP and TCP. *Toxicology*, **2011**, 282, 146-53	4.4	32

127	Toxicity and multigenerational effects of bisphenol S exposure to on developmental, biochemical, reproductive and oxidative stress. *Toxicology Research*, **2019**, 8, 630-640	2.6	30
126	Benchmarking Water Quality from Wastewater to Drinking Waters Using Reduced Transcriptome of Human Cells. *Environmental Science & Technology*, **2017**, 51, 9318-9326	10.3	30
125	Bioanalytical and instrumental analysis of thyroid hormone disrupting compounds in water sources along the Yangtze River. *Environmental Pollution*, **2011**, 159, 441-8	9.3	30
124	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	12.5	29
123	Uncovering the complete biodiversity structure in spatial networks: the example of riverine systems. *Oikos*, **2020**, 129, 607-618	4	29
122	Effects of HO-/MeO-PBDEs on androgen receptor: in vitro investigation and helix 12-involved MD simulation. *Environmental Science & Technology*, **2013**, 47, 11802-9	10.3	27
121	Photodegradation of carbon dots cause cytotoxicity. *Nature Communications*, **2021**, 12, 812	17.4	27
120	Identification of Thyroid Hormone Disruptors among HO-PBDEs: In Vitro Investigations and Coregulator Involved Simulations. *Environmental Science & Technology*, **2016**, 50, 12429-12438	10.3	26
119	Endocrine effects of methoxylated brominated diphenyl ethers in three in vitro models. *Marine Pollution Bulletin*, **2011**, 62, 2356-61	6.7	26
118	Organochlorines and dioxin-like compounds in green-lipped mussels Perna viridis from Hong Kong mariculture zones. *Marine Pollution Bulletin*, **2005**, 51, 677-87	6.7	26
117	Application of Environmental DNA Metabarcoding for Predicting Anthropogenic Pollution in Rivers. *Environmental Science & Technology*, **2018**, 52, 11708-11719	10.3	26
116	Bioassay-directed identification of organic toxicants in water and sediment of Tai Lake, China. *Water Research*, **2015**, 73, 231-41	12.5	25
115	Maternal transfer, distribution, and metabolism of BDE-47 and its related hydroxylated, methoxylated analogs in zebrafish (Danio rerio). *Chemosphere*, **2015**, 120, 31-6	8.4	24
114	Species-specific considerations in using the fish embryo test as an alternative to identify endocrine disruption. *Aquatic Toxicology*, **2014**, 155, 62-72	5.1	24
113	Environmental DNA Shaping a New Era of Ecotoxicological Research. *Environmental Science & Technology*, **2019**, 53, 5605-5612	10.3	23
112	Effects of subchronic exposure of early life stages of white sturgeon (Acipenser transmontanus) to copper, cadmium, and zinc. *Environmental Toxicology and Chemistry*, **2011**, 30, 2497-505	3.8	23
111	Fluorescence in situ hybridization techniques (FISH) to detect changes in CYP19a gene expression of Japanese medaka (Oryzias latipes). *Toxicology and Applied Pharmacology*, **2008**, 232, 226-35	4.6	23
110	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	8.4	22

109	Water quality guidelines for chemicals: learning lessons to deliver meaningful environmental metrics. *Environmental Science and Pollution Research*, **2014**, 21, 6-16	5.1	22
108	Short-term exposure of arsenite disrupted thyroid endocrine system and altered gene transcription in the HPT axis in zebrafish. *Environmental Pollution*, **2015**, 205, 145-52	9.3	21
107	Toward Sustainable Environmental Quality: Priority Research Questions for Asia. *Environmental Toxicology and Chemistry*, **2020**, 39, 1485-1505	3.8	21
106	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	7.9	21
105	A comparison of statistical methods for deriving freshwater quality criteria for the protection of aquatic organisms. *Environmental Science and Pollution Research*, **2014**, 21, 159-67	5.1	21
104	Causes of endocrine disrupting potencies in surface water in East China. *Chemosphere*, **2016**, 144, 1435-42	8.4	21
103	Environmental DNA Metabarcoding Supporting Community Assessment of Environmental Stressors in a Field-Based Sediment Microcosm Study. *Environmental Science & Technology*, **2018**, 52, 14469-14479	10.3	21
102	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	3.8	20
101	Effect-Directed Analysis of Aryl Hydrocarbon Receptor Agonists in Sediments from the Three Gorges Reservoir, China. *Environmental Science & Technology*, **2016**, 50, 11319-11328	10.3	20
100	eDNA metabarcoding in zooplankton improves the ecological status assessment of aquatic ecosystems. *Environment International*, **2020**, 134, 105230	12.9	20
99	Holistic pelagic biodiversity monitoring of the Black Sea via eDNA metabarcoding approach: From bacteria to marine mammals. *Environment International*, **2020**, 135, 105307	12.9	20
98	Copper Affects Composition and Functioning of Microbial Communities in Marine Biofilms at Environmentally Relevant Concentrations. *Frontiers in Microbiology*, **2018**, 9, 3248	5.7	20
97	Bioavailability-based assessment of aryl hydrocarbon receptor-mediated activity in Lake Tai Basin from Eastern China. *Science of the Total Environment*, **2016**, 544, 987-94	10.2	19
96	Activation of avian aryl hydrocarbon receptor and inter-species sensitivity variations by polychlorinated diphenylsulfides. *Environmental Science & Technology*, **2014**, 48, 10948-56	10.3	19
95	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	5.1	19
94	Zebrafish embryos/larvae for rapid determination of effects on hypothalamic-pituitary-thyroid (HPT) and hypothalamic-pituitary-interrenal (HPI) axis: mRNA expression. *Chemosphere*, **2013**, 93, 2327-32	8.4	18
93	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, 17434-42	5.1	18
92	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	10.2	17

91	Effects of multigenerational exposures of D. magna to environmentally relevant concentrations of pentachlorophenol. *Environmental Science and Pollution Research*, **2014**, 21, 234-43	5.1	17
90	Heavy metals in seawater, sediments, and biota from the coastal area of Yancheng City, China. *Environmental Toxicology and Chemistry*, **2014**, 33, 1697-704	3.8	16
89	Detecting copper toxicity in sediments: from the subindividual level to the population level. *Journal of Applied Ecology*, **2017**, 54, 1331-1342	5.8	16
88	Advanced fluorescence in situ hybridization to localize and quantify gene expression in Japanese medaka (Oryzias latipes) exposed to endocrine-disrupting compounds. *Environmental Toxicology and Chemistry*, **2009**, 28, 1951-62	3.8	16
87	Structures of Endocrine-Disrupting Chemicals Determine Binding to and Activation of the Estrogen Receptor and Androgen Receptor. *Environmental Science & Technology*, **2020**, 54, 11424-11433	10.3	16
86	In situ microbiota distinguished primary anthropogenic stressor in freshwater sediments. *Environmental Pollution*, **2018**, 239, 189-197	9.3	15
85	Activation of AhR-mediated toxicity pathway by emerging pollutants polychlorinated diphenyl sulfides. *Chemosphere*, **2016**, 144, 1754-62	8.4	15
84	Mechanisms of toxicity of triphenyltin chloride (TPTC) determined by a live cell reporter array. *Environmental Science and Pollution Research*, **2013**, 20, 803-11	5.1	15
83	Endocrine disruption effects of 2,2$,4,4$,6-pentabromodiphenylether (BDE100) in reporter gene assays. *Journal of Environmental Monitoring*, **2011**, 13, 850-4		15
82	Perfluoroalkyl acids in the water cycle from a freshwater river basin to coastal waters in eastern China. *Chemosphere*, **2017**, 168, 390-398	8.4	14
81	A Tiered Approach for Screening and Assessment of Environmental Mixtures by Omics and Assays. *Environmental Science & Technology*, **2020**, 54, 7430-7439	10.3	14
80	Toxicogenomic Assessment of 6-OH-BDE47-Induced Developmental Toxicity in Chicken Embryos. *Environmental Science & Technology*, **2016**, 50, 12493-12503	10.3	14
79	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, 1480-8	5.1	14
78	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	10.2	13
77	Phthalate Esters on Hands of Office Workers: Estimating the Influence of Touching Surfaces. *Environmental Science and Technology Letters*, **2017**, 4, 1-5	11	13
76	Sensitive community responses of microbiota to copper in sediment toxicity test. *Environmental Toxicology and Chemistry*, **2018**, 37, 599-608	3.8	13
75	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**, 134P1, 124-132	7	13
74	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	5.1	13

73	Indigenous species barcode database improves the identification of zooplankton. *PLoS ONE*, **2017**, 12, e0185697	3.7	13
72	Classification and toxicity mechanisms of novel flame retardants (NFRs) based on whole genome expression profiling. *Chemosphere*, **2016**, 144, 2150-7	8.4	12
71	Probabilistic ecological risk assessment for three chlorophenols in surface waters of China. *Journal of Environmental Sciences*, **2012**, 24, 329-34	6.4	12
70	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	10.2	12
69	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	7	12
68	Extended Virtual Screening Strategies To Link Antiandrogenic Activities and Detected Organic Contaminants in Soils. *Environmental Science & Technology*, **2017**, 51, 12528-12536	10.3	11
67	Pathway-based assessment of single chemicals and mixtures by a high-throughput transcriptomics approach. *Environment International*, **2020**, 136, 105455	12.9	11
66	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	12.9	11
65	Sedimentary DNA reveals over 150 years of ecosystem change by human activities in Lake Chao, China. *Environment International*, **2019**, 133, 105214	12.9	11
64	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, 2523-32	3.8	11
63	Classification of chemicals based on concentration-dependent toxicological data using ToxClust. *Environmental Science & Technology*, **2009**, 43, 3926-32	10.3	11
62	High-throughput transcriptomics: An insight on the pathways affected in HepG2 cells exposed to nickel oxide nanoparticles. *Chemosphere*, **2020**, 244, 125488	8.4	11
61	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	5.1	11
60	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	11	10
59	Occurrence and potential causes of androgenic activities in source and drinking water in China. *Environmental Science & Technology*, **2013**, 47, 10591-600	10.3	10
58	In situ hybridization to detect spatial gene expression in medaka. *Ecotoxicology and Environmental Safety*, **2009**, 72, 1257-64	7	10
57	Development of the transcriptome for a sediment ecotoxicological model species, Chironomus dilutus. *Chemosphere*, **2020**, 244, 125541	8.4	10
56	Residues of organophosphorus insecticides in sediment around a highly eutrophic lake, Eastern China. *Journal of Soils and Sediments*, **2015**, 15, 436-444	3.4	9

55	Human activitiesSfingerprint on multitrophic biodiversity and ecosystem functions across a major river catchment in China. *Global Change Biology*, **2020**, 26, 6867-6879	11.4	9
54	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	8.4	7
53	A meeting framework for inclusive and sustainable science. *Nature Ecology and Evolution*, **2020**, 4, 668-671	11.3	7
52	Identification of androgen receptor antagonists: In vitro investigation and classification methodology for flavonoid. *Chemosphere*, **2016**, 158, 72-9	8.4	7
51	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	10.3	7
50	Differential reconstructed gene interaction networks for deriving toxicity threshold in chemical risk assessment. *BMC Bioinformatics*, **2013**, 14 Suppl 14, S3	3.6	6
49	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, 306-13	4.6	6
48	Hepatic P450 enzyme activity, tissue morphology and histology of mink (Mustela vison) exposed to polychlorinated dibenzofurans. *Archives of Environmental Contamination and Toxicology*, **2009**, 57, 416-25	3.2	6
47	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	1.2	6
46	Concentration-dependent transcriptome of zebrafish embryo for environmental chemical assessment. *Chemosphere*, **2020**, 245, 125632	8.4	6
45	Directly imaging the structureproperty correlation of perovskites in crystalline microwires. *Journal of Materials Chemistry A*, **2019**, 7, 13305-13314	13	5
44	Mechanistic in silico modeling of bisphenols to predict estrogen and glucocorticoid disrupting potentials. *Science of the Total Environment*, **2020**, 728, 138854	10.2	5
43	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	10.2	5
42	Modulation of estrogen synthesis through activation of protein kinase A in H295R cells by extracts of estuary sediments. *Environmental Toxicology and Chemistry*, **2011**, 30, 2793-801	3.8	5
41	Bisphenol S increases the obesogenic effects of a high-glucose diet through regulating lipid metabolism in Caenorhabditis elegans. *Food Chemistry*, **2021**, 339, 127813	8.5	5
40	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	10.3	5
39	Structures of Endocrine-Disrupting Chemicals Correlate with the Activation of 12 Classic Nuclear Receptors. *Environmental Science & Technology*, **2021**,	10.3	5
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List of Publications

1 Adverse Outcome Pathway Network-Based Chemical Risk Assessment Using High-Throughput Transcriptomics **2022**, 307-324