Wei Shi

List of Publications by Year
in descending order

57 papers	2,156 citations	257450 24 h-index	243625 44 g-index
59 all docs	59 docs citations	59 times ranked	2752 citing authors

#	Article	IF	Citations
1	Assessing and Reducing the Toxicity of 3D-Printed Parts. Environmental Science and Technology Letters, 2016, 3, 1-6.	8.7	157
2	Suspect and Nontarget Screening of Per- and Polyfluoroalkyl Substances in Wastewater from a Fluorochemical Manufacturing Park. Environmental Science & Technology, 2018, 52, 11007-11016.	10.0	149
3	Machine Learning: New Ideas and Tools in Environmental Science and Engineering. Environmental Science & Technology, 2021, 55, 12741-12754.	10.0	140
4	Non-Target and Suspect Screening of Per- and Polyfluoroalkyl Substances in Airborne Particulate Matter in China. Environmental Science & Technology, 2018, 52, 8205-8214.	10.0	133
5	Occurrence of Thyroid Hormone Activities in Drinking Water from Eastern China: Contributions of Phthalate Esters. Environmental Science & Technology, 2012, 46, 1811-1818.	10.0	97
6	Non-target and suspect screening of per- and polyfluoroalkyl substances in Chinese municipal wastewater treatment plants. Water Research, 2020, 183, 115989.	11.3	92
7	Chinaâ€™s Soil Pollution Control: Choices and Challenges. Environmental Science & Technology, 2016, 50, 13181-13183.	10.0	90
8	Transplacental Transfer of Per- and Polyfluoroalkyl Substances Identified in Paired Maternal and Cord Sera Using Suspect and Nontarget Screening. Environmental Science & Technology, 2020, 54, 3407-3416.	10.0	88
9	Effects of perfluorinated compounds on development of zebrafish embryos. Environmental Science and Pollution Research, 2012, 19, 2498-2505.	5.3	86
10	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.	10.0	82
11	Identification of trace organic pollutants in freshwater sources in Eastern China and estimation of their associated human health risks. Ecotoxicology, 2011, 20, 1099-1106.	2.4	66
12	Thyroid hormone disrupting activities associated with phthalate esters in water sources from Yangtze River Delta. Environment International, 2012, 42, 117-123.	10.0	58
13	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.	10.0	45
14	A Reduced Transcriptome Approach to Assess Environmental Toxicants Using Zebrafish Embryo Test. Environmental Science & Technology, 2018, 52, 821-830.	10.0	44
15	Thyroid Disruption by Di-n-Butyl Phthalate (DBP) and Mono-n-Butyl Phthalate (MBP) in Xenopus laevis. PLoS ONE, 2011, 6, e19159.	2.5	39
16	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.	11.3	39
17	Identification of Thyroid Hormone Disruptors among HO-PBDEs: <i>In Vitro</i> Investigations and Coregulator Involved Simulations. Environmental Science & Technology, 2016, 50, 12429-12438.	10.0	37
18	Bioassay-directed identification of organic toxicants in water and sediment of Tai Lake, China. Water Research, 2015, 73, 231-241.	11.3	35

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19	Effects of HO-/MeO-PBDEs on Androgen Receptor: In Vitro Investigation and Helix 12-Involved MD Simulation. Environmental Science & Technology, 2013, 47, 11802-11809.	10.0	34
20	Fate of organic micropollutants and their biological effects in a drinking water source treated by a field-scale constructed wetland. Science of the Total Environment, 2019, 682, 756-764.	8.0	31
21	Bioanalytical and instrumental analysis of thyroid hormone disrupting compounds in water sources along the Yangtze River. Environmental Pollution, 2011, 159, 441-448.	7.5	30
22	Evaluation of five microbial and four mitochondrial DNA markers for tracking human and pig fecal pollution in freshwater. Scientific Reports, 2016, 6, 35311.	3.3	30
23	In silico study on hydroxylated polychlorinated biphenyls as androgen receptor antagonists. Ecotoxicology and Environmental Safety, 2013, 92, 258-264.	6.0	26
24	Docking and CoMSIA studies on steroids and non-steroidal chemicals as androgen receptor ligands. Ecotoxicology and Environmental Safety, 2013, 89, 143-149.	6.0	25
25	Distribution of perfluorooctane sulfonate isomers and predicted risk of thyroid hormonal perturbation in drinking water. Water Research, 2015, 76, 171-180.	11.3	25
26	Exposure to legacy and novel perfluoroalkyl substance disturbs the metabolic homeostasis in pregnant women and fetuses: A metabolome-wide association study. Environment International, 2021, 156, 106627.	10.0	25
27	Persistence of mitochondrial DNA markers as fecal indicators in water environments. Science of the Total Environment, 2015, 533, 383-390.	8.0	23
28	Bioanalytical and instrumental analysis of estrogenic activities in drinking water sources from Yangtze River Delta. Chemosphere, 2013, 90, 2123-2128.	8.2	22
29	Causes of endocrine disrupting potencies in surface water in East China. Chemosphere, 2016, 144, 1435-1442.	8.2	22
30	In silico investigations of anti-androgen activity of polychlorinated biphenyls. Chemosphere, 2013, 92, 795-802.	8.2	21
31	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
32	Extended suspect screening strategy to identify characteristic toxicants in the discharge of a chemical industrial park based on toxicity to Daphnia magna. Science of the Total Environment, 2019, 650, 10-17.	8.0	21
33	Pathway-based assessment of single chemicals and mixtures by a high-throughput transcriptomics approach. Environment International, 2020, 136, 105455.	10.0	21
34	Structures of Endocrine-Disrupting Chemicals Correlate with the Activation of 12 Classic Nuclear Receptors. Environmental Science & Technology, 2021, 55, 16552-16562.	10.0	20
35	InÂvitro assessment of thyroid hormone disrupting activities in drinking water sources along the Yangtze River. Environmental Pollution, 2013, 173, 210-215.	7.5	19
36	Molecular Initiating Events of Bisphenols on Androgen Receptor-Mediated Pathways Provide Guidelines for <i>in Silico</i> Screening and Design of Substitute Compounds. Environmental Science and Technology Letters, 2019, 6, 205-210.	8.7	19

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37	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.	8.0	18
38	Endocrine-disrupting equivalents in industrial effluents discharged into Yangtze River. Ecotoxicology, 2009, 18, 685-692.	2.4	17
39	Occurrence and Potential Causes of Androgenic Activities in Source and Drinking Water in China. Environmental Science & Technology, 2013, 47, 130828135947000.	10.0	17
40	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.	5.3	16
41	Bioassay directed identification of toxicants in sludge and related reused materials from industrial wastewater treatment plants in the Yangtze River Delta. Chemosphere, 2017, 168, 191-198.	8.2	16
42	Extended Virtual Screening Strategies To Link Antiandrogenic Activities and Detected Organic Contaminants in Soils. Environmental Science & Technology, 2017, 51, 12528-12536.	10.0	16
43	Phthalate Esters on Hands of Office Workers: Estimating the Influence of Touching Surfaces. Environmental Science and Technology Letters, 2017, 4, 1-5.	8.7	15
44	Cross-Model Comparison of Transcriptomic Doseâ€“Response of Short-Chain Chlorinated Paraffins. Environmental Science & Technology, 2021, 55, 8149-8158.	10.0	15
45	Occurrence of estrogenic activities in second-grade surface water and ground water in the Yangtze River Delta, China. Environmental Pollution, 2013, 181, 31-37.	7.5	14
46	Reproductive toxicity of organic extracts from petrochemical plant effluents discharged to the Yangtze River, China. Journal of Environmental Sciences, 2010, 22, 297-303.	6.1	11
47	Mechanistic in silico modeling of bisphenols to predict estrogen and glucocorticoid disrupting potentials. Science of the Total Environment, 2020, 728, 138854.	8.0	11
48	Activation of steroid hormone receptors: Shed light on the in silico evaluation of endocrine disrupting chemicals. Science of the Total Environment, 2018, 631-632, 27-39.	8.0	10
49	Biodirected Identification of Untargeted Toxicants in Industrial Wastewater Guides the Upgrading of Water Treatments. Environmental Science and Technology Letters, 2021, 8, 474-481.	8.7	10
50	Identification of Thyroid Receptor Ant/Agonists in Water Sources Using Mass Balance Analysis and Monte Carlo Simulation. PLoS ONE, 2013, 8, e73883.	2.5	10
51	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.	10.0	10
52	Reproductive toxicity assessment of surface water of the Tai section of the Yangtze River, China by inÂvitro bioassays coupled with chemical analysis. Environmental Pollution, 2011, 159, 2720-2725.	7.5	9
53	Allosteric binding on nuclear receptors: Insights on screening of non-competitive endocrine-disrupting chemicals. Environment International, 2022, 159, 107009.	10.0	7
54	Identification of polycyclic aromatic hydrocarbons in soils in Taizhou, East China. Environmental Geochemistry and Health, 2015, 37, 429-439.	3.4	6

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55	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.	8.0	6
56	Identification of (anti-)androgenic activities and risks of sludges from industrial and domestic wastewater treatment plants. Environmental Pollution, 2021, 268, 115716.	7.5	5
57	Molecular Modeling and Molecular Dynamics Simulation Studies on the Interactions of Hydroxylated Polychlorinated Biphenyls with Estrogen Receptor-Î². Archives of Environmental Contamination and Toxicology, 2013, 65, 357-367.	4.1	3