

# Wen-Xiu Liu

## List of Publications by Year in descending order

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56  
papers

2,042  
citations

236833

25  
h-index

243529

44  
g-index

56  
all docs

56  
docs citations

56  
times ranked

2403  
citing authors

#	ARTICLE	IF	CITATIONS
1	The seasonal and spatial variations of phytoplankton community and their correlation with environmental factors in a large eutrophic Chinese lake (Lake Chaohu). <i>Ecological Indicators</i> , 2014, 40, 58-67.	2.6	198
2	Spatio-temporal distributions and the ecological and health risks of phthalate esters (PAEs) in the surface water of a large, shallow Chinese lake. <i>Science of the Total Environment</i> , 2013, 461-462, 672-680.	3.9	119
3	Large-scale synthesis of Co <sub>2</sub> V <sub>2</sub> O <sub>7</sub> hexagonal microplatelets under ambient conditions for highly reversible lithium storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 16728-16736.	5.2	116
4	Hydrological regulation drives regime shifts: evidence from paleolimnology and ecosystem modeling of a large shallow Chinese lake. <i>Global Change Biology</i> , 2017, 23, 737-754.	4.2	111
5	Ecological risk assessment of polycyclic aromatic hydrocarbons (PAHs) in the water from a large Chinese lake based on multiple indicators. <i>Ecological Indicators</i> , 2013, 24, 599-608.	2.6	105
6	Distribution, partitioning and sources of polycyclic aromatic hydrocarbons in the waterâ€“SPMâ€“sediment system of Lake Chaohu, China. <i>Science of the Total Environment</i> , 2014, 496, 414-423.	3.9	102
7	Turn-on fluorescence sensor for the detection of heparin based on rhodamine B-modified polyethyleneimineâ€“graphene oxide complex. <i>Biosensors and Bioelectronics</i> , 2015, 64, 300-305.	5.3	87
8	Key issues for the development and application of the species sensitivity distribution (SSD) model for ecological risk assessment. <i>Ecological Indicators</i> , 2015, 54, 227-237.	2.6	72
9	The residues, distribution, and partition of organochlorine pesticides in the water, suspended solids, and sediments from a large Chinese lake (Lake Chaohu) during the high water level period. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2033-2045.	2.7	53
10	A review on perfluoroalkyl acids studies: Environmental behaviors, toxic effects, and ecological and health risks. <i>Ecosystem Health and Sustainability</i> , 2019, 5, 1-19.	1.5	53
11	Atmospheric partitioning and the airâ€“water exchange of polycyclic aromatic hydrocarbons in a large shallow Chinese lake (Lake Chaohu). <i>Chemosphere</i> , 2013, 93, 1685-1693.	4.2	50
12	Temporal-spatial distributions and ecological risks of perfluoroalkyl acids (PFAAs) in the surface water from the fifth-largest freshwater lake in China (Lake Chaohu). <i>Environmental Pollution</i> , 2015, 200, 24-34.	3.7	48
13	Bias and association of sediment organic matter source apportionment indicators: A case study in a eutrophic Lake Chaohu, China. <i>Science of the Total Environment</i> , 2017, 581-582, 874-884.	3.9	42
14	Residues, bioaccumulations and biomagnification of perfluoroalkyl acids (PFAAs) in aquatic animals from Lake Chaohu, China. <i>Environmental Pollution</i> , 2018, 240, 607-614.	3.7	42
15	Atmospheric PBDEs at rural and urban sites in central China from 2010 to 2013: Residual levels, potential sources and human exposure. <i>Environmental Pollution</i> , 2014, 192, 232-243.	3.7	41
16	The tempo-spatial variations of phytoplankton diversities and their correlation with trophic state levels in a large eutrophic Chinese lake. <i>Ecological Indicators</i> , 2016, 66, 153-162.	2.6	41
17	Influences of binding to dissolved organic matter on hydrophobic organic compounds in a multi-contaminant system: Coefficients, mechanisms and ecological risks. <i>Environmental Pollution</i> , 2015, 206, 461-468.	3.7	40
18	Polybrominated diphenyl ethers (PBDEs) in the surface sediments and suspended particulate matter (SPM) from Lake Chaohu, a large shallow Chinese lake. <i>Science of the Total Environment</i> , 2013, 463-464, 1163-1173.	3.9	37

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19	Ecological risk assessment and priority setting for typical toxic pollutants in the water from Beijing-Tianjin-Bohai area using Bayesian matbugs calculator (BMC). <i>Ecological Indicators</i> , 2014, 45, 209-218.	2.6	37
20	Occurrence, spatial distribution, sources, and risks of polychlorinated biphenyls and heavy metals in surface sediments from a large eutrophic Chinese lake (Lake Chaohu). <i>Environmental Science and Pollution Research</i> , 2016, 23, 10335-10348.	2.7	35
21	Residues, Distributions, Sources, and Ecological Risks of OCPs in the Water from Lake Chaohu, China. <i>Scientific World Journal</i> , The, 2012, 2012, 1-16.	0.8	32
22	Changes in food web structure and ecosystem functioning of a large, shallow Chinese lake during the 1950s, 1980s and 2000s. <i>Ecological Modelling</i> , 2016, 319, 31-41.	1.2	32
23	Multimedia fate modeling of perfluorooctanoic acid (PFOA) and perfluorooctane sulphonate (PFOS) in the shallow lake Chaohu, China. <i>Environmental Pollution</i> , 2018, 237, 339-347.	3.7	32
24	Integrated ecological and chemical food web accumulation modeling explains PAH temporal trends during regime shifts in a shallow lake. <i>Water Research</i> , 2017, 119, 73-82.	5.3	29
25	Aquatic biota as potential biological indicators of the contamination, bioaccumulation and health risks caused by organochlorine pesticides in a large, shallow Chinese lake (Lake Chaohu). <i>Ecological Indicators</i> , 2016, 60, 335-345.	2.6	27
26	Water quality benchmarking (WQB) and priority control screening (PCS) of persistent toxic substances (PTSs) in China: Necessity, method and a case study. <i>Science of the Total Environment</i> , 2014, 472, 1108-1120.	3.9	26
27	Effects of phosphorus stress on the photosynthetic and physiological characteristics of <i>Chlorella vulgaris</i> based on chlorophyll fluorescence and flow cytometric analysis. <i>Ecological Indicators</i> , 2017, 78, 131-141.	2.6	25
28	Current status and historical variations of phthalate ester (PAE) contamination in the sediments from a large Chinese lake (Lake Chaohu). <i>Environmental Science and Pollution Research</i> , 2016, 23, 10393-10405.	2.7	24
29	Effects of fluorescent dissolved organic matters (FDOMs) on perfluoroalkyl acids (PFAAs) in lake and river water. <i>Science of the Total Environment</i> , 2019, 666, 598-607.	3.9	24
30	Spatiotemporal toxicity assessment of suspended particulate matter (SPM)-bound polycyclic aromatic hydrocarbons (PAHs) in Lake Chaohu, China: Application of a source-based quantitative method. <i>Science of the Total Environment</i> , 2020, 727, 138690.	3.9	24
31	Impacts of anthropogenic activities on spatial variations of phthalate esters in water and suspended particulate matter from China's lakes. <i>Science of the Total Environment</i> , 2020, 724, 138281.	3.9	24
32	Combining species sensitivity distribution (SSD) model and thermodynamic index (exergy) for system-level ecological risk assessment of contaminants in aquatic ecosystems. <i>Environment International</i> , 2019, 133, 105275.	4.8	23
33	The partitioning behavior of persistent toxicant organic contaminants in eutrophic sediments: Coefficients and effects of fluorescent organic matter and particle size. <i>Environmental Pollution</i> , 2016, 219, 724-734.	3.7	22
34	Advances in environmental behaviors and effects of dissolved organic matter in aquatic ecosystems. <i>Science China Earth Sciences</i> , 2016, 59, 746-759.	2.3	21
35	Distribution, partitioning and inhalation exposure of perfluoroalkyl acids (PFAAs) in urban and rural air near Lake Chaohu, China. <i>Environmental Pollution</i> , 2018, 243, 143-151.	3.7	21
36	Comparisons of tissue distributions and health risks of perfluoroalkyl acids (PFAAs) in two fish species with different trophic levels from Lake Chaohu, China. <i>Ecotoxicology and Environmental Safety</i> , 2019, 185, 109666.	2.9	21

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37	Tissue distribution, bioaccumulation, and carcinogenic risk of polycyclic aromatic hydrocarbons in aquatic organisms from Lake Chaohu, China. <i>Science of the Total Environment</i> , 2020, 749, 141577.	3.9	21
38	Levels, Temporal-Spatial Variations, and Sources of Organochlorine Pesticides in Ambient Air of Lake Chaohu, China. <i>Scientific World Journal</i> , The, 2012, 2012, 1-12.	0.8	18
39	Current status and historical variations of DDT-related contaminants in the sediments of Lake Chaohu in China and their influencing factors. <i>Environmental Pollution</i> , 2016, 219, 883-896.	3.7	17
40	New insights into spatiotemporal source apportionment of n-alkanes under mixed scenario: A pilot study on Lake Chaohu, China. <i>Science of the Total Environment</i> , 2020, 742, 140517.	3.9	17
41	Temporal and spatial variations of organochlorine pesticides in the suspended particulate matter from Lake Chaohu, China. <i>Ecological Engineering</i> , 2015, 80, 214-222.	1.6	16
42	The spatial distribution of phosphorus and their correlations in surface sediments and pore water in Lake Chaohu, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 25906-25915.	2.7	15
43	Organochlorine pesticides in the dust fall around Lake Chaohu, the fifth largest lake in China. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 383-393.	1.3	14
44	Turn-on fluorometric $\beta$ -carotene assay based on competitive host-guest interaction between rhodamine 6G and $\beta$ -carotene with a graphene oxide functionalized with a $\beta$ -cyclodextrin-modified polyethyleneimine. <i>Mikrochimica Acta</i> , 2016, 183, 1161-1168.	2.5	13
45	Water-gas exchange of organochlorine pesticides at Lake Chaohu, a large Chinese lake. <i>Environmental Science and Pollution Research</i> , 2013, 20, 2020-2032.	2.7	12
46	The residual levels and health risks of hexachlorocyclohexanes (HCHs) and dichloro-diphenyl-trichloroethanes (DDTs) in the fish from Lake Baiyangdian, North China. <i>Environmental Science and Pollution Research</i> , 2013, 20, 5950-5962.	2.7	12
47	Calcein-functionalized Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> nanoparticles as a reusable fluorescent nanoprobe for copper(II) ion. <i>Mikrochimica Acta</i> , 2015, 182, 547-555.	2.5	12
48	Optimized Multiresidue Analysis of Organic Contaminants of Priority Concern in a Daily Consumed Fish (Grass Carp). <i>Journal of Analytical Methods in Chemistry</i> , 2017, 2017, 1-13.	0.7	12
49	Impact of organic matter and meteorological factors on the long-term trend, seasonality, and gas/particle partitioning behavior of atmospheric PBDEs. <i>Science of the Total Environment</i> , 2019, 659, 1058-1070.	3.9	8
50	Distributions, Sources, and Backward Trajectories of Atmospheric Polycyclic Aromatic Hydrocarbons at Lake Small Baiyangdian, Northern China. <i>Scientific World Journal</i> , The, 2012, 2012, 1-13.	0.8	7
51	Ultrasensitive detection of sulfide ions through interactions between sulfide ions and Au( $\text{Au}(\text{SCN})_2$ ) quenching the fluorescence of chitosan microspheres functionalized with rhodamine B and modified with Au( $\text{Au}(\text{SCN})_2$ ). <i>RSC Advances</i> , 2016, 6, 38820-38826.	1.7	4
52	Dustfall-bound polycyclic aromatic hydrocarbons (PAHs) over the fifth largest Chinese lake: residual levels, source apportionment, and correlations with suspended particulate matter (SPM)-bound PAHs in water. <i>Environmental Science and Pollution Research</i> , 2021, 28, 55388-55400.	2.7	4
53	Toxic Effects of Ethyl Cinnamate on the Photosynthesis and Physiological Characteristics of <i>Chlorella vulgaris</i> Based on Chlorophyll Fluorescence and Flow Cytometry Analysis. <i>Scientific World Journal</i> , The, 2015, 2015, 1-12.	0.8	3
54	Multi-Media Exposure to Polycyclic Aromatic Hydrocarbons at Lake Chaohu, the Fifth Largest Fresh Water Lake in China: Residual Levels, Sources and Carcinogenic Risk. <i>Atmosphere</i> , 2021, 12, 1241.	1.0	1

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55	Eco-Risk Assessments for Toxic Contaminants Based on Species Sensitivity Distribution Models in Lake Chaohu, China. <i>Developments in Environmental Modelling</i> , 2014, 26, 75-111.	0.3	0
56	Development of Structural Dynamic Model for the Ecosystem Evolution of a Large Shallow Chinese Lake (Lake Chaohu). <i>Developments in Environmental Modelling</i> , 2014, 26, 375-410.	0.3	0