Chenxi Wu

List of Publications by Year in Descending Order

98 papers	5,106 citations	35 h-index	70 g-index
102 ext. papers	6,870 ext. citations	7.3 avg, IF	6.45 L-index

#	Paper	IF	Citations
98	Sample preparation methods for the analysis of microplastics in freshwater ecosystems: a review. *Environmental Chemistry Letters*, **2022**, 20, 417	13.3	2
97	Fish personality affects their exposure to microplastics.. *Ecotoxicology and Environmental Safety*, **2022**, 233, 113301	7	0
96	Microplastic occurrence in the northern South China Sea, A case for Pre and Post cyclone analysis.. *Chemosphere*, **2022**, 296, 133980	8.4	1
95	Horizontal transport of macro- and microplastics on soil surface by rainfall induced surface runoff as affected by vegetations.. *Science of the Total Environment*, **2022**, 831, 154989	10.2	3
94	Urban natural wetland as a sink for microplastics: A case from Lalu Wetland in Tibet, China.. *Science of the Total Environment*, **2022**, 828, 154399	10.2	1
93	Global transportation of plastics and microplastics: A critical review of pathways and influences.. *Science of the Total Environment*, **2022**, 154884	10.2	2
92	Microplastics in Flathead Lake, a large oligotrophic mountain lake in the USA.. *Environmental Pollution*, **2022**, 119445	9.3	1
91	A review on source, occurrence, and impacts of microplastics in freshwater aquaculture systems in China **2022**, 100040		0
90	Informal landfill contributes to the pollution of microplastics in the surrounding environment. *Environmental Pollution*, **2021**, 293, 118586	9.3	5
89	Understanding plastic degradation and microplastic formation in the environment: A review. *Environmental Pollution*, **2021**, 274, 116554	9.3	128
88	A review on the characteristics of microplastics in wastewater treatment plants: A source for toxic chemicals. *Journal of Cleaner Production*, **2021**, 295, 126480	10.3	48
87	Microplastic sampling techniques in freshwaters and sediments: a review. *Environmental Chemistry Letters*, **2021**, 19, 1-28	13.3	13
86	Heavy metals in the plastisphere of marine microplastics: adsorption mechanisms and composite risk. *Gondwana Research*, **2021**,	5.1	8
85	Effects of deep placement of fertilizer on periphytic biofilm development and nitrogen cycling in paddy systems. *Pedosphere*, **2021**, 31, 125-133	5	3
84	Scientific studies on microplastics pollution in Iran: An in-depth review of the published articles. *Marine Pollution Bulletin*, **2021**, 162, 111901	6.7	15
83	Microplastics in freshwater sediment: A review on methods, occurrence, and sources. *Science of the Total Environment*, **2021**, 754, 141948	10.2	76
82	Transport and fate of microplastics in constructed wetlands: A microcosm study. *Journal of Hazardous Materials*, **2021**, 415, 125615	12.8	14

81	Microplastics in soil: A review on methods, occurrence, sources, and potential risk. *Science of the Total Environment*, **2021**, 780, 146546	10.2	91
80	Used disposable face masks are significant sources of microplastics to environment. *Environmental Pollution*, **2021**, 285, 117485	9.3	39
79	Role of polystyrene microplastics in sunlight-mediated transformation of silver in aquatic environments: Mechanisms, kinetics and toxicity. *Journal of Hazardous Materials*, **2021**, 419, 126429	12.8	5
78	Occurrence of microplastic in the water of different types of aquaculture ponds in an important lakeside freshwater aquaculture area of China. *Chemosphere*, **2021**, 282, 131126	8.4	9
77	Feasibility of using plastic wastes as constructed wetland substrates and potential for pharmaceuticals and personal care products removal. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2020**, 55, 1241-1246	2.3	3
76	Interactions between dicyandiamide and periphytic biofilms in paddy soils and subsequent effects on nitrogen cycling. *Science of the Total Environment*, **2020**, 718, 137417	10.2	1
75	Effects of microplastic biofilms on nutrient cycling in simulated freshwater systems. *Science of the Total Environment*, **2020**, 719, 137276	10.2	44
74	First evaluation of legacy persistent organic pollutant contamination status of stranded Yangtze finless porpoises along the Yangtze River Basin, China. *Science of the Total Environment*, **2020**, 710, 136446	10.2	4
73	Treatment performance and microbial response to dibutyl phthalate contaminated wastewater in vertical flow constructed wetland mesocosms. *Chemosphere*, **2020**, 246, 125635	8.4	19
72	Cladophora reblooming after half a century: effect of climate change-induced increases in the water level of the largest lake in Tibetan Plateau. *Environmental Science and Pollution Research*, **2020**, 27, 42175-42181	5.1	3
71	Key rules of life and the fading cryosphere: Impacts in alpine lakes and streams. *Global Change Biology*, **2020**, 26, 6644-6656	11.4	17
70	Pollutants delivered every day: Phthalates in plastic express packaging bags and their leaching potential. *Journal of Hazardous Materials*, **2020**, 384, 121282	12.8	46
69	Capture and Release of Phosphorus by Periphyton in Closed Water Systems Influenced by Illumination and Temperature. *Water (Switzerland)*, **2019**, 11, 1021	3	5
68	Dredging project caused short-term positive effects on lake ecosystem health: A five-year follow-up study at the integrated lake ecosystem level. *Science of the Total Environment*, **2019**, 686, 753-763	10.2	20
67	Trace elements accumulation in the Yangtze finless porpoise (Neophocaena asiaeorientalis asiaeorientalis) - A threat to the endangered freshwater cetacean. *Science of the Total Environment*, **2019**, 686, 797-804	10.2	8
66	A preliminary screening of HBCD enantiomers transported by microplastics in wastewater treatment plants. *Science of the Total Environment*, **2019**, 674, 171-178	10.2	41
65	The hydro-fluctuation belt of the Three Gorges Reservoir: Source or sink of microplastics in the water?. *Environmental Pollution*, **2019**, 248, 279-285	9.3	34
64	Sinking of floating plastic debris caused by biofilm development in a freshwater lake. *Chemosphere*, **2019**, 222, 856-864	8.4	80

63	Microplastics contamination in different trophic state lakes along the middle and lower reaches of Yangtze River Basin. *Environmental Pollution*, **2019**, 254, 112951	9.3	63
62	Ingestion and egestion of polyethylene microplastics by goldfish (): influence of color and morphological features. *Heliyon*, **2019**, 5, e03063	3.6	36
61	Occurrence and fate of microplastic debris in middle and lower reaches of the Yangtze River - From inland to the sea. *Science of the Total Environment*, **2019**, 659, 66-73	10.2	106
60	Effects of plastic contamination on water evaporation and desiccation cracking in soil. *Science of the Total Environment*, **2019**, 654, 576-582	10.2	167
59	The occurrence of microplastic in specific organs in commercially caught fishes from coast and estuary area of east China. *Journal of Hazardous Materials*, **2019**, 365, 716-724	12.8	167
58	Functional sustainability of periphytic biofilms in organic matter and Cu removal during prolonged exposure to TiO nanoparticles. *Journal of Hazardous Materials*, **2019**, 370, 4-12	12.8	29
57	Sources and distribution of microplastics in China's largest inland lake - Qinghai Lake. *Environmental Pollution*, **2018**, 235, 899-906	9.3	237
56	Microplastic pollution in China's inland water systems: A review of findings, methods, characteristics, effects, and management. *Science of the Total Environment*, **2018**, 630, 1641-1653	10.2	188
55	Removal of nutrients and pharmaceuticals and personal care products from wastewater using periphyton photobioreactors. *Bioresource Technology*, **2018**, 248, 113-119	11	73
54	Influence of light and temperature on the development and denitrification potential of periphytic biofilms. *Science of the Total Environment*, **2018**, 613-614, 1430-1437	10.2	34
53	The counter-balance between ammonia absorption and the stimulation of volatilization by periphyton in shallow aquatic systems. *Bioresource Technology*, **2018**, 248, 21-27	11	11
52	Using the Asian clam as an indicator of microplastic pollution in freshwater ecosystems. *Environmental Pollution*, **2018**, 234, 347-355	9.3	203
51	Microplastic Pollution in Inland Waters Focusing on Asia. *Handbook of Environmental Chemistry*, **2018**, 85-99	0.8	29
50	Euchlorocystis gen. nov. and Densicystis gen. nov., Two New Genera of Oocystaceae Algae from High-altitude Semi-saline Habitat (Trebouxiophyceae, Chlorophyta). *Journal of Eukaryotic Microbiology*, **2018**, 65, 200-210	3.6	3
49	Microplastics in the intestinal tracts of East Asian finless porpoises (Neophocaena asiaeorientalis sunameri) from Yellow Sea and Bohai Sea of China. *Marine Pollution Bulletin*, **2018**, 136, 55-60	6.7	34
48	Effects of virgin microplastics on goldfish (Carassius auratus). *Chemosphere*, **2018**, 213, 323-332	8.4	114
47	Seasonal changes in phosphorus competition and allelopathy of a benthic microbial assembly facilitate prevention of cyanobacterial blooms. *Environmental Microbiology*, **2017**, 19, 2483-2494	5.2	10
46	Advanced nutrient removal from surface water by a consortium of attached microalgae and bacteria: A review. *Bioresource Technology*, **2017**, 241, 1127-1137	11	158

45	Occurrence and Characteristics of Microplastic Pollution in Xiangxi Bay of Three Gorges Reservoir, China. *Environmental Science & Technology*, **2017**, 51, 3794-3801	10.3	277
44	Removal of pharmaceuticals and personal care products from wastewater using algae-based technologies: a review. *Reviews in Environmental Science and Biotechnology*, **2017**, 16, 717-735	13.9	84
43	Mechanisms of enhanced inorganic phosphorus accumulation by periphyton in paddy fields as affected by calcium and ferrous ions. *Science of the Total Environment*, **2017**, 609, 466-475	10.2	11
42	Responses of Periphyton to FeO Nanoparticles: A Physiological and Ecological Basis for Defending Nanotoxicity. *Environmental Science & Technology*, **2017**, 51, 10797-10805	10.3	35
41	Removal of parabens and their chlorinated by-products by periphyton: influence of light and temperature. *Environmental Science and Pollution Research*, **2017**, 24, 5566-5575	5.1	13
40	Periphyton biofilm development and its role in nutrient cycling in paddy microcosms. *Journal of Soils and Sediments*, **2017**, 17, 810-819	3.4	21
39	Chemical treatment of contaminated sediment for phosphorus control and subsequent effects on ammonia-oxidizing and ammonia-denitrifying microorganisms and on submerged macrophyte revegetation. *Environmental Science and Pollution Research*, **2017**, 24, 1007-1018	5.1	22
38	Effects of laser irradiation on a bloom forming cyanobacterium Microcystis aeruginosa. *Environmental Science and Pollution Research*, **2016**, 23, 20297-20306	5.1	2
37	Periphyton: an important regulator in optimizing soil phosphorus bioavailability in paddy fields. *Environmental Science and Pollution Research*, **2016**, 23, 21377-21384	5.1	24
36	Bioremediation of agricultural solid waste leachates with diverse species of Cu (II) and Cd (II) by periphyton. *Bioresource Technology*, **2016**, 221, 214-221	11	23
35	Spatio-temporal variations and influencing factors of polycyclic aromatic hydrocarbons in atmospheric bulk deposition along a plain-mountain transect in western China. *Atmospheric Environment*, **2016**, 139, 131-138	5.3	19
34	Comparison of the properties of periphyton attached to modified agro-waste carriers. *Environmental Science and Pollution Research*, **2016**, 23, 3718-26	5.1	5
33	Sorption of pharmaceuticals and personal care products to polyethylene debris. *Environmental Science and Pollution Research*, **2016**, 23, 8819-26	5.1	197
32	Interactions between the antimicrobial agent triclosan and the bloom-forming cyanobacteria Microcystis aeruginosa. *Aquatic Toxicology*, **2016**, 172, 103-10	5.1	35
31	Effect of butyl paraben on the development and microbial composition of periphyton. *Ecotoxicology*, **2016**, 25, 342-9	2.9	9
30	Mediated spatio-temporal patterns of macroinvertebrate assemblage associated with key environmental factors in the Qinghai Lake area, China. *Limnologica*, **2016**, 56, 14-22	2	7
29	Nutrient removal by up-scaling a hybrid floating treatment bed (HFTB) using plant and periphyton: From laboratory tank to polluted river. *Bioresource Technology*, **2016**, 207, 142-9	11	49
28	Microplastic pollution of lakeshore sediments from remote lakes in Tibet plateau, China. *Environmental Pollution*, **2016**, 219, 450-455	9.3	288

27	Nutrient capture and recycling by periphyton attached to modified agrowaste carriers. *Environmental Science and Pollution Research*, **2016**, 23, 8035-43	5.1	10
26	Accumulation of floating microplastics behind the Three Gorges Dam. *Environmental Pollution*, **2015**, 204, 117-23	9.3	263
25	Sorption and degradation of triclosan in sediments and its effect on microbes. *Ecotoxicology and Environmental Safety*, **2015**, 116, 76-83	7	25
24	Effectiveness and Mode of Action of Calcium Nitrate and Phoslock in Phosphorus Control in Contaminated Sediment, a Microcosm Study. *Water, Air, and Soil Pollution*, **2015**, 226, 1	2.6	20
23	Effects of sediment dredging on internal phosphorus: A comparative field study focused on iron and phosphorus forms in sediments. *Ecological Engineering*, **2015**, 82, 267-271	3.9	30
22	Occurrence and fate of selected endocrine-disrupting chemicals in water and sediment from an urban lake. *Archives of Environmental Contamination and Toxicology*, **2015**, 68, 225-36	3.2	28
21	Water and sediment quality in Qinghai Lake, China: a revisit after half a century. *Environmental Monitoring and Assessment*, **2014**, 186, 2121-33	3.1	17
20	Occurrence of pharmaceuticals and personal care products and associated environmental risks in the central and lower Yangtze river, China. *Ecotoxicology and Environmental Safety*, **2014**, 106, 19-26	7	104
19	Comparison of Modifiers for Mercury Speciation in Water by Solid Phase Extraction and High Performance Liquid Chromatography–Atomic Fluorescence Spectrometry. *Analytical Letters*, **2014**, 47, 2417-2430	2.2	9
18	Effect of Biosolid Amendments on the Metal and Nutrient Uptake and Spectral Characteristics of Five Vegetable Plants. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	6
17	Partitioning and Degradation of Triclosan and Formation of Methyl-Triclosan in Water-Sediment Systems. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	17
16	Occurrence and distribution of organochlorine pesticides and polycyclic aromatic hydrocarbons in surface sediments from Qinghai Lake, northeast Qinghai–Tibet plateau, China. *Journal of Great Lakes Research*, **2014**, 40, 675-683	3	10
15	An analytical theory of heated duct flows in supersonic combustors. *Theoretical and Applied Mechanics Letters*, **2014**, 4, 032001	1.8	
14	Spatial and temporal variations of organochlorine pesticides (OCPs) in water and sediments from Honghu Lake, China. *Journal of Geochemical Exploration*, **2013**, 132, 181-187	3.8	53
13	Organochlorine pesticides in soil, water and sediment along the Jinjiang River mainstream to Quanzhou Bay, southeast China. *Ecotoxicology and Environmental Safety*, **2013**, 89, 59-65	7	61
12	Removal of ppb-level DDTs from aqueous solution using organo-diatomites. *Water Quality Research Journal of Canada*, **2013**, 48, 266-278	1.7	1
11	Transfer of wastewater associated pharmaceuticals and personal care products to crop plants from biosolids treated soil. *Ecotoxicology and Environmental Safety*, **2012**, 85, 104-9	7	99
10	Preliminary assessment of heavy metal contamination in surface water and sediments from Honghu Lake, East Central China. *Frontiers of Earth Science*, **2012**, 6, 39-47	1.7	28

9	Concentrations and classification of HCHs and DDTs in soil from the lower reaches of the Jiulong River, China. *Frontiers of Environmental Science and Engineering*, **2012**, 6, 177-183	5.8	9
8	Spatial distribution and source diagnosis of polycyclic aromatic hydrocarbons in soils from Chengdu Economic Region, Sichuan Province, western China. *Journal of Geochemical Exploration*, **2011**, 110, 146-154	3.8	46
7	Uptake of pharmaceutical and personal care products by soybean plants from soils applied with biosolids and irrigated with contaminated water. *Environmental Science & Technology*, **2010**, 44, 6157-61	10.3	304
6	Dissipation and leaching potential of selected pharmaceutically active compounds in soils amended with biosolids. *Archives of Environmental Contamination and Toxicology*, **2010**, 59, 343-51	3.2	35
5	Detection of Pharmaceuticals and Personal Care Products in Agricultural Soils Receiving Biosolids Application. *Clean - Soil, Air, Water*, **2010**, 38, 230-237	1.6	35
4	Adsorption and degradation of triclosan and triclocarban in soils and biosolids-amended soils. *Journal of Agricultural and Food Chemistry*, **2009**, 57, 4900-5	5.7	110
3	Occurrence of selected pharmaceuticals in an agricultural landscape, western Lake Erie basin. *Water Research*, **2009**, 43, 3407-16	12.5	85
2	Sorption and biodegradation of selected antibiotics in biosolids. *Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering*, **2009**, 44, 454-61	2.3	89
1	Use of solid phase extraction and liquid chromatography-tandem mass spectrometry for simultaneous determination of various pharmaceuticals in surface water. *International Journal of Environmental Analytical Chemistry*, **2008**, 88, 1033-1048	1.8	35