

Chenxi Wu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/3788511/chenxi-wu-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Uptake of pharmaceutical and personal care products by soybean plants from soils applied with biosolids and irrigated with contaminated water. <i>Environmental Science & Technology</i> , 2010 , 44, 6157-61	10.3	304
97	Microplastic pollution of lakeshore sediments from remote lakes in Tibet plateau, China. <i>Environmental Pollution</i> , 2016 , 219, 450-455	9.3	288
96	Occurrence and Characteristics of Microplastic Pollution in Xiangxi Bay of Three Gorges Reservoir, China. <i>Environmental Science & Technology</i> , 2017 , 51, 3794-3801	10.3	277
95	Accumulation of floating microplastics behind the Three Gorges Dam. <i>Environmental Pollution</i> , 2015 , 204, 117-23	9.3	263
94	Sources and distribution of microplastics in China's largest inland lake - Qinghai Lake. <i>Environmental Pollution</i> , 2018 , 235, 899-906	9.3	237
93	Using the Asian clam as an indicator of microplastic pollution in freshwater ecosystems. <i>Environmental Pollution</i> , 2018 , 234, 347-355	9.3	203
92	Sorption of pharmaceuticals and personal care products to polyethylene debris. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8819-26	5.1	197
91	Microplastic pollution in China's inland water systems: A review of findings, methods, characteristics, effects, and management. <i>Science of the Total Environment</i> , 2018 , 630, 1641-1653	10.2	188
90	Effects of plastic contamination on water evaporation and desiccation cracking in soil. <i>Science of the Total Environment</i> , 2019 , 654, 576-582	10.2	167
89	The occurrence of microplastic in specific organs in commercially caught fishes from coast and estuary area of east China. <i>Journal of Hazardous Materials</i> , 2019 , 365, 716-724	12.8	167
88	Advanced nutrient removal from surface water by a consortium of attached microalgae and bacteria: A review. <i>Bioresource Technology</i> , 2017 , 241, 1127-1137	11	158
87	Understanding plastic degradation and microplastic formation in the environment: A review. <i>Environmental Pollution</i> , 2021 , 274, 116554	9.3	128
86	Effects of virgin microplastics on goldfish (<i>Carassius auratus</i>). <i>Chemosphere</i> , 2018 , 213, 323-332	8.4	114
85	Adsorption and degradation of triclosan and triclocarban in soils and biosolids-amended soils. <i>Journal of Agricultural and Food Chemistry</i> , 2009 , 57, 4900-5	5.7	110
84	Occurrence and fate of microplastic debris in middle and lower reaches of the Yangtze River - From inland to the sea. <i>Science of the Total Environment</i> , 2019 , 659, 66-73	10.2	106
83	Occurrence of pharmaceuticals and personal care products and associated environmental risks in the central and lower Yangtze river, China. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 106, 19-26	7	104
82	Transfer of wastewater associated pharmaceuticals and personal care products to crop plants from biosolids treated soil. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 85, 104-9	7	99

81	Microplastics in soil: A review on methods, occurrence, sources, and potential risk. <i>Science of the Total Environment</i> , 2021 , 780, 146546	10.2	91
80	Sorption and biodegradation of selected antibiotics in biosolids. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2009 , 44, 454-61	2.3	89
79	Occurrence of selected pharmaceuticals in an agricultural landscape, western Lake Erie basin. <i>Water Research</i> , 2009 , 43, 3407-16	12.5	85
78	Removal of pharmaceuticals and personal care products from wastewater using algae-based technologies: a review. <i>Reviews in Environmental Science and Biotechnology</i> , 2017 , 16, 717-735	13.9	84
77	Sinking of floating plastic debris caused by biofilm development in a freshwater lake. <i>Chemosphere</i> , 2019 , 222, 856-864	8.4	80
76	Microplastics in freshwater sediment: A review on methods, occurrence, and sources. <i>Science of the Total Environment</i> , 2021 , 754, 141948	10.2	76
75	Removal of nutrients and pharmaceuticals and personal care products from wastewater using periphyton photobioreactors. <i>Bioresource Technology</i> , 2018 , 248, 113-119	11	73
74	Microplastics contamination in different trophic state lakes along the middle and lower reaches of Yangtze River Basin. <i>Environmental Pollution</i> , 2019 , 254, 112951	9.3	63
73	Organochlorine pesticides in soil, water and sediment along the Jinjiang River mainstream to Quanzhou Bay, southeast China. <i>Ecotoxicology and Environmental Safety</i> , 2013 , 89, 59-65	7	61
72	Spatial and temporal variations of organochlorine pesticides (OCPs) in water and sediments from Honghu Lake, China. <i>Journal of Geochemical Exploration</i> , 2013 , 132, 181-187	3.8	53
71	Nutrient removal by up-scaling a hybrid floating treatment bed (HFTB) using plant and periphyton: From laboratory tank to polluted river. <i>Bioresource Technology</i> , 2016 , 207, 142-9	11	49
70	A review on the characteristics of microplastics in wastewater treatment plants: A source for toxic chemicals. <i>Journal of Cleaner Production</i> , 2021 , 295, 126480	10.3	48
69	Spatial distribution and source diagnosis of polycyclic aromatic hydrocarbons in soils from Chengdu Economic Region, Sichuan Province, western China. <i>Journal of Geochemical Exploration</i> , 2011 , 110, 146-154	3.8	46
68	Pollutants delivered every day: Phthalates in plastic express packaging bags and their leaching potential. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121282	12.8	46
67	Effects of microplastic biofilms on nutrient cycling in simulated freshwater systems. <i>Science of the Total Environment</i> , 2020 , 719, 137276	10.2	44
66	A preliminary screening of HBCD enantiomers transported by microplastics in wastewater treatment plants. <i>Science of the Total Environment</i> , 2019 , 674, 171-178	10.2	41
65	Used disposable face masks are significant sources of microplastics to environment. <i>Environmental Pollution</i> , 2021 , 285, 117485	9.3	39
64	Ingestion and egestion of polyethylene microplastics by goldfish (<i>O. latipes</i>): influence of color and morphological features. <i>Heliyon</i> , 2019 , 5, e03063	3.6	36

63	Interactions between the antimicrobial agent triclosan and the bloom-forming cyanobacteria <i>Microcystis aeruginosa</i> . <i>Aquatic Toxicology</i> , 2016 , 172, 103-10	5.1	35
62	Responses of Periphyton to FeO Nanoparticles: A Physiological and Ecological Basis for Defending Nanotoxicity. <i>Environmental Science & Technology</i> , 2017 , 51, 10797-10805	10.3	35
61	Dissipation and leaching potential of selected pharmaceutically active compounds in soils amended with biosolids. <i>Archives of Environmental Contamination and Toxicology</i> , 2010 , 59, 343-51	3.2	35
60	Detection of Pharmaceuticals and Personal Care Products in Agricultural Soils Receiving Biosolids Application. <i>Clean - Soil, Air, Water</i> , 2010 , 38, 230-237	1.6	35
59	Use of solid phase extraction and liquid chromatography-tandem mass spectrometry for simultaneous determination of various pharmaceuticals in surface water. <i>International Journal of Environmental Analytical Chemistry</i> , 2008 , 88, 1033-1048	1.8	35
58	The hydro-fluctuation belt of the Three Gorges Reservoir: Source or sink of microplastics in the water?. <i>Environmental Pollution</i> , 2019 , 248, 279-285	9.3	34
57	Influence of light and temperature on the development and denitrification potential of periphytic biofilms. <i>Science of the Total Environment</i> , 2018 , 613-614, 1430-1437	10.2	34
56	Microplastics in the intestinal tracts of East Asian finless porpoises (<i>Neophocaena asiaeorientalis sunameri</i>) from Yellow Sea and Bohai Sea of China. <i>Marine Pollution Bulletin</i> , 2018 , 136, 55-60	6.7	34
55	Effects of sediment dredging on internal phosphorus: A comparative field study focused on iron and phosphorus forms in sediments. <i>Ecological Engineering</i> , 2015 , 82, 267-271	3.9	30
54	Functional sustainability of periphytic biofilms in organic matter and Cu removal during prolonged exposure to TiO nanoparticles. <i>Journal of Hazardous Materials</i> , 2019 , 370, 4-12	12.8	29
53	Microplastic Pollution in Inland Waters Focusing on Asia. <i>Handbook of Environmental Chemistry</i> , 2018 , 85-99	0.8	29
52	Occurrence and fate of selected endocrine-disrupting chemicals in water and sediment from an urban lake. <i>Archives of Environmental Contamination and Toxicology</i> , 2015 , 68, 225-36	3.2	28
51	Preliminary assessment of heavy metal contamination in surface water and sediments from Honghu Lake, East Central China. <i>Frontiers of Earth Science</i> , 2012 , 6, 39-47	1.7	28
50	Sorption and degradation of triclosan in sediments and its effect on microbes. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 116, 76-83	7	25
49	Periphyton: an important regulator in optimizing soil phosphorus bioavailability in paddy fields. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 21377-21384	5.1	24
48	Bioremediation of agricultural solid waste leachates with diverse species of Cu (II) and Cd (II) by periphyton. <i>Bioresource Technology</i> , 2016 , 221, 214-221	11	23
47	Chemical treatment of contaminated sediment for phosphorus control and subsequent effects on ammonia-oxidizing and ammonia-denitrifying microorganisms and on submerged macrophyte revegetation. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 1007-1018	5.1	22
46	Periphyton biofilm development and its role in nutrient cycling in paddy microcosms. <i>Journal of Soils and Sediments</i> , 2017 , 17, 810-819	3.4	21

45	Dredging project caused short-term positive effects on lake ecosystem health: A five-year follow-up study at the integrated lake ecosystem level. <i>Science of the Total Environment</i> , 2019 , 686, 753-763	10.2	20
44	Effectiveness and Mode of Action of Calcium Nitrate and Phoslock [®] in Phosphorus Control in Contaminated Sediment, a Microcosm Study. <i>Water, Air, and Soil Pollution</i> , 2015 , 226, 1	2.6	20
43	Spatio-temporal variations and influencing factors of polycyclic aromatic hydrocarbons in atmospheric bulk deposition along a plain-mountain transect in western China. <i>Atmospheric Environment</i> , 2016 , 139, 131-138	5.3	19
42	Treatment performance and microbial response to dibutyl phthalate contaminated wastewater in vertical flow constructed wetland mesocosms. <i>Chemosphere</i> , 2020 , 246, 125635	8.4	19
41	Water and sediment quality in Qinghai Lake, China: a revisit after half a century. <i>Environmental Monitoring and Assessment</i> , 2014 , 186, 2121-33	3.1	17
40	Partitioning and Degradation of Triclosan and Formation of Methyl-Triclosan in Water-Sediment Systems. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	17
39	Key rules of life and the fading cryosphere: Impacts in alpine lakes and streams. <i>Global Change Biology</i> , 2020 , 26, 6644-6656	11.4	17
38	Scientific studies on microplastics pollution in Iran: An in-depth review of the published articles. <i>Marine Pollution Bulletin</i> , 2021 , 162, 111901	6.7	15
37	Transport and fate of microplastics in constructed wetlands: A microcosm study. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125615	12.8	14
36	Removal of parabens and their chlorinated by-products by periphyton: influence of light and temperature. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 5566-5575	5.1	13
35	Microplastic sampling techniques in freshwaters and sediments: a review. <i>Environmental Chemistry Letters</i> , 2021 , 19, 1-28	13.3	13
34	The counter-balance between ammonia absorption and the stimulation of volatilization by periphyton in shallow aquatic systems. <i>Bioresource Technology</i> , 2018 , 248, 21-27	11	11
33	Mechanisms of enhanced inorganic phosphorus accumulation by periphyton in paddy fields as affected by calcium and ferrous ions. <i>Science of the Total Environment</i> , 2017 , 609, 466-475	10.2	11
32	Seasonal changes in phosphorus competition and allelopathy of a benthic microbial assembly facilitate prevention of cyanobacterial blooms. <i>Environmental Microbiology</i> , 2017 , 19, 2483-2494	5.2	10
31	Occurrence and distribution of organochlorine pesticides and polycyclic aromatic hydrocarbons in surface sediments from Qinghai Lake, northeast Qinghai-Tibet plateau, China. <i>Journal of Great Lakes Research</i> , 2014 , 40, 675-683	3	10
30	Nutrient capture and recycling by periphyton attached to modified agrowaste carriers. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8035-43	5.1	10
29	Effect of butyl paraben on the development and microbial composition of periphyton. <i>Ecotoxicology</i> , 2016 , 25, 342-9	2.9	9
28	Comparison of Modifiers for Mercury Speciation in Water by Solid Phase Extraction and High Performance Liquid Chromatography-Atomic Fluorescence Spectrometry. <i>Analytical Letters</i> , 2014 , 47, 2417-2430	2.2	9

27	Concentrations and classification of HCHs and DDTs in soil from the lower reaches of the Jiulong River, China. <i>Frontiers of Environmental Science and Engineering</i> , 2012 , 6, 177-183	5.8	9
26	Occurrence of microplastic in the water of different types of aquaculture ponds in an important lakeside freshwater aquaculture area of China. <i>Chemosphere</i> , 2021 , 282, 131126	8.4	9
25	Trace elements accumulation in the Yangtze finless porpoise (<i>Neophocaena asiaeorientalis</i> asiaeorientalis) - A threat to the endangered freshwater cetacean. <i>Science of the Total Environment</i> , 2019 , 686, 797-804	10.2	8
24	Heavy metals in the plastisphere of marine microplastics: adsorption mechanisms and composite risk. <i>Gondwana Research</i> , 2021 ,	5.1	8
23	Mediated spatio-temporal patterns of macroinvertebrate assemblage associated with key environmental factors in the Qinghai Lake area, China. <i>Limnologica</i> , 2016 , 56, 14-22	2	7
22	Effect of Biosolid Amendments on the Metal and Nutrient Uptake and Spectral Characteristics of Five Vegetable Plants. <i>Water, Air, and Soil Pollution</i> , 2014 , 225, 1	2.6	6
21	Capture and Release of Phosphorus by Periphyton in Closed Water Systems Influenced by Illumination and Temperature. <i>Water (Switzerland)</i> , 2019 , 11, 1021	3	5
20	Comparison of the properties of periphyton attached to modified agro-waste carriers. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 3718-26	5.1	5
19	Informal landfill contributes to the pollution of microplastics in the surrounding environment. <i>Environmental Pollution</i> , 2021 , 293, 118586	9.3	5
18	Role of polystyrene microplastics in sunlight-mediated transformation of silver in aquatic environments: Mechanisms, kinetics and toxicity. <i>Journal of Hazardous Materials</i> , 2021 , 419, 126429	12.8	5
17	First evaluation of legacy persistent organic pollutant contamination status of stranded Yangtze finless porpoises along the Yangtze River Basin, China. <i>Science of the Total Environment</i> , 2020 , 710, 136446	10.2	4
16	Feasibility of using plastic wastes as constructed wetland substrates and potential for pharmaceuticals and personal care products removal. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2020 , 55, 1241-1246	2.3	3
15	Cladophora reblooming after half a century: effect of climate change-induced increases in the water level of the largest lake in Tibetan Plateau. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 42175-42181	5.1	3
14	Effects of deep placement of fertilizer on periphytic biofilm development and nitrogen cycling in paddy systems. <i>Pedosphere</i> , 2021 , 31, 125-133	5	3
13	Euchlorocystis gen. nov. and Densicystis gen. nov., Two New Genera of Oocystaceae Algae from High-altitude Semi-saline Habitat (Trebouxiophyceae, Chlorophyta). <i>Journal of Eukaryotic Microbiology</i> , 2018 , 65, 200-210	3.6	3
12	Horizontal transport of macro- and microplastics on soil surface by rainfall induced surface runoff as affected by vegetations.. <i>Science of the Total Environment</i> , 2022 , 831, 154989	10.2	3
11	Effects of laser irradiation on a bloom forming cyanobacterium <i>Microcystis aeruginosa</i> . <i>Environmental Science and Pollution Research</i> , 2016 , 23, 20297-20306	5.1	2
10	Sample preparation methods for the analysis of microplastics in freshwater ecosystems: a review. <i>Environmental Chemistry Letters</i> , 2022 , 20, 417	13.3	2

9	Global transportation of plastics and microplastics: A critical review of pathways and influences.. <i>Science of the Total Environment</i> , 2022 , 154884	10.2	2
8	Interactions between dicyandiamide and periphytic biofilms in paddy soils and subsequent effects on nitrogen cycling. <i>Science of the Total Environment</i> , 2020 , 718, 137417	10.2	1
7	Removal of ppb-level DDTs from aqueous solution using organo-diatomites. <i>Water Quality Research Journal of Canada</i> , 2013 , 48, 266-278	1.7	1
6	Microplastic occurrence in the northern South China Sea, A case for Pre and Post cyclone analysis.. <i>Chemosphere</i> , 2022 , 296, 133980	8.4	1
5	Urban natural wetland as a sink for microplastics: A case from Lalu Wetland in Tibet, China.. <i>Science of the Total Environment</i> , 2022 , 828, 154399	10.2	1
4	Microplastics in Flathead Lake, a large oligotrophic mountain lake in the USA.. <i>Environmental Pollution</i> , 2022 , 119445	9.3	1
3	Fish personality affects their exposure to microplastics.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 233, 113301	7	0
2	A review on source, occurrence, and impacts of microplastics in freshwater aquaculture systems in China 2022 , 100040		0
1	An analytical theory of heated duct flows in supersonic combustors. <i>Theoretical and Applied Mechanics Letters</i> , 2014 , 4, 032001	1.8	