

Defu He

List of Publications by Year in Descending Order

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

36 papers	2,408 citations	20 h-index	36 g-index
36 ext. papers	3,390 ext. citations	7.1 avg, IF	5.47 L-index

#	Paper	IF	Citations
36	Interaction of microplastics and soil animals in agricultural ecosystems. <i>Current Opinion in Environmental Science and Health</i> , 2022 , 26, 100327	8.1	1
35	Air conditioner filters become sinks and sources of indoor microplastics fibers. <i>Environmental Pollution</i> , 2022 , 292, 118465	9.3	6
34	Removal of microplastics from water by magnetic nano-FeO. <i>Science of the Total Environment</i> , 2022 , 802, 149838	10.2	9
33	National-scale distribution of micro(meso)plastics in farmland soils across China: Implications for environmental impacts. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127283	12.8	7
32	A battery of baseline toxicity bioassays directed evaluation of plastic leachates-Towards the establishment of bioanalytical monitoring tools for plastics.. <i>Science of the Total Environment</i> , 2022 , 154387	10.2	1
31	Size/shape-dependent migration of microplastics in agricultural soil under simulative and natural rainfall.. <i>Science of the Total Environment</i> , 2021 , 815, 152507	10.2	2
30	Methods for separating microplastics from complex solid matrices: Comparative analysis. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124640	12.8	25
29	Micro(nano)plastic contaminations from soils to plants: human food risks. <i>Current Opinion in Food Science</i> , 2021 , 41, 116-121	9.8	9
28	Size-dependent cellular internalization and effects of polystyrene microplastics in microalgae <i>P. helgolandica</i> var. <i>tsingtaoensis</i> and <i>S. quadricauda</i> . <i>Journal of Hazardous Materials</i> , 2020 , 399, 123092	12.8	31
27	Microplastics in Inland Small Waterbodies. <i>Handbook of Environmental Chemistry</i> , 2020 , 93-110	0.8	3
26	The Toxicity of (Nano)Microplastics on <i>C. elegans</i> and Its Mechanisms. <i>Handbook of Environmental Chemistry</i> , 2020 , 259-278	0.8	1
25	Microplastics in Urban Environments: Sources, Pathways, and Distribution. <i>Handbook of Environmental Chemistry</i> , 2020 , 41-61	0.8	10
24	Prevalence of microplastics in animal-based traditional medicinal materials: Widespread pollution in terrestrial environments. <i>Science of the Total Environment</i> , 2020 , 709, 136214	10.2	30
23	Analytical Methods for Microplastics in Environments: Current Advances and Challenges. <i>Handbook of Environmental Chemistry</i> , 2020 , 3-24	0.8	11
22	Biodegradation and disintegration of expanded polystyrene by land snails <i>Achatina fulica</i> . <i>Science of the Total Environment</i> , 2020 , 746, 141289	10.2	51
21	Microplastic contamination caused by different rearing modes of Asian swamp eel (<i>Monopterus albus</i>). <i>Aquaculture Research</i> , 2020 , 51, 5084-5095	1.9	10
20	Joint toxic effects of polystyrene nanoparticles and organochlorine pesticides (chlordane and hexachlorocyclohexane) on <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , 2020 , 7, 3062-3073	7.1	7

19	Uptake and adverse effects of polyethylene terephthalate microplastics fibers on terrestrial snails (<i>Achatina fulica</i>) after soil exposure. <i>Environmental Pollution</i> , 2019 , 250, 447-455	9.3	163
18	A method for extracting soil microplastics through circulation of sodium bromide solutions. <i>Science of the Total Environment</i> , 2019 , 691, 341-347	10.2	66
17	Microplastic pollution in rice-fish co-culture system: A report of three farmland stations in Shanghai, China. <i>Science of the Total Environment</i> , 2019 , 652, 1209-1218	10.2	144
16	Single and mixture toxicity of strobilurin and SDHI fungicides to <i>Xenopus tropicalis</i> embryos. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 153, 8-15	7	23
15	Mutation of hop-1 and pink-1 attenuates vulnerability of neurotoxicity in <i>C. elegans</i> : the role of mitochondria-associated membrane proteins in Parkinsonism. <i>Experimental Neurology</i> , 2018 , 309, 67-78	5.7	21
14	Microplastic and mesoplastic pollution in farmland soils in suburbs of Shanghai, China. <i>Environmental Pollution</i> , 2018 , 242, 855-862	9.3	412
13	Polystyrene (nano)microplastics cause size-dependent neurotoxicity, oxidative damage and other adverse effects in <i>Caenorhabditis elegans</i> . <i>Environmental Science: Nano</i> , 2018 , 5, 2009-2020	7.1	168
12	Microplastic particles cause intestinal damage and other adverse effects in zebrafish <i>Danio rerio</i> and nematode <i>Caenorhabditis elegans</i> . <i>Science of the Total Environment</i> , 2018 , 619-620, 1-8	10.2	547
11	Microplastics in soils: Analytical methods, pollution characteristics and ecological risks. <i>TrAC - Trends in Analytical Chemistry</i> , 2018 , 109, 163-172	14.6	355
10	Behavioral deficits and neural damage of <i>Caenorhabditis elegans</i> induced by three rare earth elements. <i>Chemosphere</i> , 2017 , 181, 55-62	8.4	30
9	Chronic exposure to graphene-based nanomaterials induces behavioral deficits and neural damage in <i>Caenorhabditis elegans</i> . <i>Journal of Applied Toxicology</i> , 2017 , 37, 1140-1150	4.1	50
8	Tris(2-chloroethyl) phosphate (TCEP) and tris(2-chloropropyl) phosphate (TCPP) induce locomotor deficits and dopaminergic degeneration in. <i>Toxicology Research</i> , 2017 , 6, 63-72	2.6	31
7	Chronic Exposure to Perfluorooctane Sulfonate Reduces Lifespan of <i>Caenorhabditis elegans</i> Through Insulin/IGF-1 Signaling. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2016 , 97, 119-23	3.7	11
6	Strong lethality and teratogenicity of strobilurins on <i>Xenopus tropicalis</i> embryos: Basing on ten agricultural fungicides. <i>Environmental Pollution</i> , 2016 , 208, 868-74	9.3	38
5	Isomers and their metabolites of endosulfan induced cytotoxicity and oxidative damage in SH-SY5Y cells. <i>Environmental Toxicology</i> , 2016 , 31, 496-504	4.2	13
4	Acrylamide induces locomotor defects and degeneration of dopamine neurons in <i>Caenorhabditis elegans</i> . <i>Journal of Applied Toxicology</i> , 2016 , 36, 60-7	4.1	37
3	Toxicity bioassays for water from black-odor rivers in Wenzhou, China. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 1731-41	5.1	30
2	Chronic exposure to perfluorooctane sulfonate induces behavior defects and neurotoxicity through oxidative damages, in vivo and in vitro. <i>PLoS ONE</i> , 2014 , 9, e113453	3.7	47

- 1 Differential effects of activating D1 and D2 receptors on electrophysiology of neostriatal neurons in a rat model of Parkinson's disease induced by paraquat and maneb. *Neuroscience Research*, **2011**, 71, 411-20 2.9 8