Huahong Shi

List of Publications by Year
in descending order

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117 papers	16,428 citations	20817 60 h-index	19749 117 g-index
119 all docs	119 docs citations	119 times ranked	8103 citing authors

#	Article	IF	Citations
1	Microplastic particles cause intestinal damage and other adverse effects in zebrafish Danio rerio and nematode Caenorhabditis elegans. Science of the Total Environment, 2018, 619-620, 1-8.	8.0	903
2	Microplastics in Taihu Lake, China. Environmental Pollution, 2016, 216, 711-719.	7.5	807
3	Microplastic and mesoplastic pollution in farmland soils in suburbs of Shanghai, China. Environmental Pollution, 2018, 242, 855-862.	7.5	806
4	Microplastic Pollution in Table Salts from China. Environmental Science & Technology, 2015, 49, 13622-13627.	10.0	703
5	Microplastics in commercial bivalves from China. Environmental Pollution, 2015, 207, 190-195.	7.5	688
6	Microplastics and mesoplastics in fish from coastal and fresh waters of China. Environmental Pollution, 2017, 221, 141-149.	7.5	657
7	Microplastics in mussels along the coastal waters of China. Environmental Pollution, 2016, 214, 177-184.	7.5	600
8	A Review of Microplastics in Table Salt, Drinking Water, and Air: Direct Human Exposure. Environmental Science & Technology, 2020, 54, 3740-3751.	10.0	559
9	Microplastics in sediments of the Changjiang Estuary, China. Environmental Pollution, 2017, 225, 283-290.	7.5	528
10	Sources and distribution of microplastics in China's largest inland lake â€“ Qinghai Lake. Environmental Pollution, 2018, 235, 899-906.	7.5	401
11	Microplastics in agricultural soils on the coastal plain of Hangzhou Bay, east China: Multiple sources other than plastic mulching film. Journal of Hazardous Materials, 2020, 388, 121814.	12.4	378
12	Adherence of microplastics to soft tissue of mussels: A novel way to uptake microplastics beyond ingestion. Science of the Total Environment, 2018, 610-611, 635-640.	8.0	360
13	Using mussel as a global bioindicator of coastal microplastic pollution. Environmental Pollution, 2019, 244, 522-533.	7.5	350
14	Microplastics in mussels sampled from coastal waters and supermarkets in the United Kingdom. Environmental Pollution, 2018, 241, 35-44.	7.5	342
15	Using the Asian clam as an indicator of microplastic pollution in freshwater ecosystems. Environmental Pollution, 2018, 234, 347-355.	7.5	330
16	Assessing the relationship between the abundance and properties of microplastics in water and in mussels. Science of the Total Environment, 2018, 621, 679-686.	8.0	325
17	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.	8.0	321
18	Comparison of microplastic pollution in different water bodies from urban creeks to coastal waters. Environmental Pollution, 2019, 246, 174-182.	7.5	310

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19	Uptake and adverse effects of polyethylene terephthalate microplastics fibers on terrestrial snails (Achatina fulica) after soil exposure. Environmental Pollution, 2019, 250, 447-455.	7.5	294
20	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.	12.4	284
21	Polystyrene (nano)microplastics cause size-dependent neurotoxicity, oxidative damage and other adverse effects inCaenorhabditis elegans. Environmental Science: Nano, 2018, 5, 2009-2020.	4.3	271
22	Occurrence of microplastics in landfill systems and their fate with landfill age. Water Research, 2019, 164, 114968.	11.3	222
23	Microplastic pollution in the Maowei Sea, a typical mariculture bay of China. Science of the Total Environment, 2019, 658, 62-68.	8.0	217
24	Microplastic Fallout in Different Indoor Environments. Environmental Science & Technology, 2020, 54, 6530-6539.	10.0	216
25	Effects of virgin microplastics on goldfish (Carassius auratus). Chemosphere, 2018, 213, 323-332.	8.2	212
26	Microplastics as Both a Sink and a Source of Bisphenol A in the Marine Environment. Environmental Science & Technology, 2019, 53, 10188-10196.	10.0	211
27	Analysis of environmental nanoplastics: Progress and challenges. Chemical Engineering Journal, 2021, 410, 128208.	12.7	202
28	Microplastics in take-out food containers. Journal of Hazardous Materials, 2020, 399, 122969.	12.4	189
29	Microplastics in Small Waterbodies and Tadpoles from Yangtze River Delta, China. Environmental Science & Technology, 2018, 52, 8885-8893.	10.0	188
30	Effects of inorganic ions and natural organic matter on the aggregation of nanoplastics. Chemosphere, 2018, 197, 142-151.	8.2	174
31	Microplastic pollution in water and sediment in a textile industrial area. Environmental Pollution, 2020, 258, 113658.	7.5	174
32	Sinking of floating plastic debris caused by biofilm development in a freshwater lake. Chemosphere, 2019, 222, 856-864.	8.2	171
33	Hydrophobic sorption behaviors of 17Î²-Estradiol on environmental microplastics. Chemosphere, 2019, 226, 726-735.	8.2	148
34	Microplastics in the commercial seaweed nori. Journal of Hazardous Materials, 2020, 388, 122060.	12.4	133
35	Superimposed microplastic pollution in a coastal metropolis. Water Research, 2020, 168, 115140.	11.3	124
36	Bioaccumulation, depuration and oxidative stress in fish Carassius auratus under phenanthrene exposure. Chemosphere, 2006, 63, 1319-1327.	8.2	123

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37	A method for extracting soil microplastics through circulation of sodium bromide solutions. Science of the Total Environment, 2019, 691, 341-347.	8.0	121
38	Fish Ingest Microplastics Unintentionally. Environmental Science & Technology, 2021, 55, 10471-10479.	10.0	116
39	Uptake, accumulation and elimination of polystyrene microspheres in tadpoles of Xenopus tropicalis. Chemosphere, 2016, 164, 611-617.	8.2	112
40	Microplastics act as vectors for antibiotic resistance genes in landfill leachate: The enhanced roles of the long-term aging process. Environmental Pollution, 2021, 270, 116278.	7.5	110
41	Microplastic accumulation via trophic transfer: Can a predatory crab counter the adverse effects of microplastics by body defence?. Science of the Total Environment, 2021, 754, 142099.	8.0	108
42	Insight into the characteristics and sorption behaviors of aged polystyrene microplastics through three type of accelerated oxidation processes. Journal of Hazardous Materials, 2021, 407, 124836.	12.4	104
43	Marine microplastics bound dioxin-like chemicals: Model explanation and risk assessment. Journal of Hazardous Materials, 2019, 364, 82-90.	12.4	103
44	Ingestion, egestion and post-exposure effects of polystyrene microspheres on marine medaka (Oryzias) Tj ETQq0 0 0 rgBT /Overlock 10	8.2	99
45	Microplastics impair digestive performance but show little effects on antioxidant activity in mussels under low pH conditions. Environmental Pollution, 2020, 258, 113691.	7.5	98
46	Microplastics Lead to Hyperactive Swimming Behaviour in Adult Zebrafish. Aquatic Toxicology, 2020, 224, 105521.	4.0	95
47	Generalized system of imposex and reproductive failure in female gastropods of coastal waters of mainland China. Marine Ecology - Progress Series, 2005, 304, 179-189.	1.9	93
48	Abundance, composition, and fate of microplastics in water, sediment, and shellfish in the Tapi-Phumduang River system and Bandon Bay, Thailand. Science of the Total Environment, 2021, 781, 146700.	8.0	90
49	Hydroxyl radical production and oxidative damage induced by cadmium and naphthalene in liver of Carassius auratus. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2005, 140, 115-121.	2.6	87
50	Sorption and leaching behaviors between aged MPs and BPA in water: The role of BPA binding modes within plastic matrix. Water Research, 2021, 195, 116956.	11.3	86
51	Influence of physicochemical surface properties on the adhesion of bacteria onto four types of plastics. Science of the Total Environment, 2019, 671, 1101-1107.	8.0	85
52	Ingestion and egestion of polyethylene microplastics by goldfish (Carassius auratus): influence of color and morphological features. Heliyon, 2019, 5, e03063.	3.2	82
53	Microplastics in bloom-forming macroalgae: Distribution, characteristics and impacts. Journal of Hazardous Materials, 2020, 397, 122752.	12.4	81
54	A practical approach based on FT-IR spectroscopy for identification of semi-synthetic and natural celluloses in microplastic investigation. Science of the Total Environment, 2019, 669, 692-701.	8.0	77

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55	Research progresses of microplastic pollution in freshwater systems. Science of the Total Environment, 2021, 795, 148888.	8.0	70
56	Electron paramagnetic resonance evidence of hydroxyl radical generation and oxidative damage induced by tetrabromobisphenol A in Carassius auratus. Aquatic Toxicology, 2005, 74, 365-371.	4.0	68
57	Fusion of microplastics into the mussel byssus. Environmental Pollution, 2019, 252, 420-426.	7.5	65
58	Microplastics in fishes and their living environments surrounding a plastic production area. Science of the Total Environment, 2020, 727, 138662.	8.0	65
59	Microplastics aggravate the adverse effects of BDE-47 on physiological and defense performance in mussels. Journal of Hazardous Materials, 2020, 398, 122909.	12.4	64
60	Bioaccumulation of microplastics and its in vivo interactions with trace metals in edible oysters. Marine Pollution Bulletin, 2020, 154, 111079.	5.0	64
61	Transport and fate of microplastics in constructed wetlands: A microcosm study. Journal of Hazardous Materials, 2021, 415, 125615.	12.4	59
62	An emerging role of microplastics in the etiology of lung ground glass nodules. Environmental Sciences Europe, 2022, 34, .	5.5	57
63	Strong lethality and teratogenicity of strobilurins on Xenopus tropicalis embryos: Basing on ten agricultural fungicides. Environmental Pollution, 2016, 208, 868-874.	7.5	53
64	A straightforward method for measuring the range of apparent density of microplastics. Science of the Total Environment, 2018, 639, 367-373.	8.0	50
65	Prevalence of microplastics in animal-based traditional medicinal materials: Widespread pollution in terrestrial environments. Science of the Total Environment, 2020, 709, 136214.	8.0	49
66	Physiological effects of plastic particles on mussels are mediated by food presence. Journal of Hazardous Materials, 2021, 404, 124136.	12.4	46
67	The uptake of microfibers by freshwater Asian clams (Corbicula fluminea) varies based upon physicochemical properties. Chemosphere, 2019, 221, 107-114.	8.2	45
68	Concurrent water- and foodborne exposure to microplastics leads to differential microplastic ingestion and neurotoxic effects in zebrafish. Water Research, 2022, 219, 118582.	11.3	43
69	Microplastic quantification affected by structure and pore size of filters. Chemosphere, 2020, 257, 127198.	8.2	42
70	Single and mixture toxicity of strobilurin and SDHI fungicides to Xenopus tropicalis embryos. Ecotoxicology and Environmental Safety, 2018, 153, 8-15.	6.0	41
71	PAEs and PBDEs in plastic fragments and wetland sediments in Yangtze estuary. Journal of Hazardous Materials, 2021, 409, 124937.	12.4	41
72	Global transportation of plastics and microplastics: A critical review of pathways and influences. Science of the Total Environment, 2022, 831, 154884.	8.0	41

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73	Effects of tributyltin (TBT) on Xenopus tropicalis embryos at environmentally relevant concentrations. Chemosphere, 2010, 79, 529-533.	8.2	38
74	Toxicity bioassays for water from black-odor rivers in Wenzhou, China. Environmental Science and Pollution Research, 2015, 22, 1731-1741.	5.3	38
75	Teratogenic effects of triphenyltin on embryos of amphibian (Xenopus tropicalis): A phenotypic comparison with the retinoid X and retinoic acid receptor ligands. Journal of Hazardous Materials, 2011, 192, 1860-1868.	12.4	36
76	Surface water, sediment, and biota: The first multi-compartment analysis of microplastics in the Karnafully river, Bangladesh. Marine Pollution Bulletin, 2022, 180, 113820.	5.0	36
77	Microplastics in shellfish and implications for food safety. Current Opinion in Food Science, 2021, 40, 192-197.	8.0	34
78	Plastic waste as the potential carriers of pathogens. Current Opinion in Food Science, 2021, 41, 224-230.	8.0	31
79	Semi-automatic recognition of marine debris on beaches. Scientific Reports, 2016, 6, 25759.	3.3	30
80	Separation and enrichment of nanoplastics in environmental water samples via ultracentrifugation. Water Research, 2021, 203, 117509.	11.3	30
81	Ingestion of nano/micro plastic particles by the mussel Mytilus coruscus is size dependent. Chemosphere, 2021, 263, 127957.	8.2	29
82	Microplastics in global bivalve mollusks: A call for protocol standardization. Journal of Hazardous Materials, 2022, 438, 129490.	12.4	29
83	Effects of tributyltin on metamorphosis and gonadal differentiation of Xenopus laevis at environmentally relevant concentrations. Toxicology and Industrial Health, 2014, 30, 297-303.	1.4	27
84	Distribution and translocation of micro- and nanoplastics in fish. Critical Reviews in Toxicology, 2021, 51, 740-753.	3.9	26
85	Crack Patterns of Environmental Plastic Fragments. Environmental Science & Technology, 2022, 56, 6399-6414.	10.0	25
86	Bioassay guided analysis coupled with non-target chemical screening in polyethylene plastic shopping bag fragments after exposure to simulated gastric juice of Fish. Journal of Hazardous Materials, 2021, 401, 123421.	12.4	24
87	Plastic debris in coastal macroalgae. Environmental Research, 2022, 205, 112464.	7.5	24
88	Adsorption mechanisms of metal ions (Pb, Cd, Cu) onto polyamide 6 microplastics: New insight into environmental risks in comparison with natural media in different water matrices. Gondwana Research, 2022, 110, 214-225.	6.0	23
89	Use of the enhanced frog embryo teratogenesis assay- Xenopus (FETAX) to determine chemically-induced phenotypic effects. Science of the Total Environment, 2015, 508, 258-265.	8.0	22
90	Application of internal persistent fluorescent fibers in tracking microplastics in vivo processes in aquatic organisms. Journal of Hazardous Materials, 2021, 401, 123336.	12.4	22

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91	The genome of the marine rotifer Brachionus koreanus sheds light on the antioxidative defense system in response to 2-ethyl-phenanthrene and piperonyl butoxide. Aquatic Toxicology, 2020, 221, 105443.	4.0	21
92	Stage-specific malformations and phenotypic changes induced in embryos of amphibian (Xenopus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	6.0	18
93	Effects of clotrimazole and amiodarone on early development of amphibian (<i>Xenopus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	1.2	17
94	Linkages between the spatial toxicity of sediments and sediment dynamics in the Yangtze River Estuary and neighboring East China Sea. Environmental Pollution, 2018, 233, 1138-1146.	7.5	17
95	PVC Does Not Influence Cadmium Uptake or Effects in the Mussel (Mytilus edulis). Bulletin of Environmental Contamination and Toxicology, 2020, 104, 315-320.	2.7	15
96	Microfiber fallout during dining and potential human intake. Journal of Hazardous Materials, 2022, 430, 128477.	12.4	15
97	Variations of sediment toxicity in a tidal Estuary: A case study of the South Passage, Changjiang (Yangtze) Estuary. Chemosphere, 2015, 128, 7-13.	8.2	14
98	Divergent teratogenicity of agonists of retinoid X receptors in embryos of zebrafish (Danio rerio). Ecotoxicology, 2012, 21, 1465-1475.	2.4	13
99	Developmental toxicity of organotin compounds in animals. Frontiers in Marine Science, 2014, 1, .	2.5	13
100	The role of pparÎ³ in embryonic development of Xenopus tropicalis under triphenyltin-induced teratogenicity. Science of the Total Environment, 2018, 633, 1245-1252.	8.0	13
101	Microplastics habituated with biofilm change decabrominated diphenyl ether degradation products and thyroid endocrine toxicity. Ecotoxicology and Environmental Safety, 2021, 228, 112991.	6.0	13
102	An updated scheme of imposex for Cantharus cecillei (Gastropoda: Buccinidae) and a new mechanism leading to the sterilization of imposex-affected females. Marine Biology, 2005, 146, 717-723.	1.5	12
103	Teratogenic effects of tetrabromobisphenol A on Xenopus tropicalis embryos. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 152, 62-68.	2.6	12
104	The unexpected teratogenicity of RXR antagonist UVI3003 via activation of PPARÎ³ in Xenopus tropicalis. Toxicology and Applied Pharmacology, 2017, 314, 91-97.	2.8	10
105	Effects of microplastics and food particles on organic pollutants bioaccumulation in equi-fugacity and above-fugacity scenarios. Science of the Total Environment, 2022, 812, 152548.	8.0	10
106	Unexpected phenotypes of malformations induced in Xenopus tropicalis embryos by combined exposure to triphenyltin and 9-cis-retinoic acid. Journal of Environmental Sciences, 2014, 26, 643-649.	6.1	9
107	A battery of baseline toxicity bioassays directed evaluation of plastic leachatesâ€"Towards the establishment of bioanalytical monitoring tools for plastics. Science of the Total Environment, 2022, 828, 154387.	8.0	9
108	Effects of antagonist of retinoid X receptor (UVI3003) on morphology and gene profile of Xenopus tropicalis embryos. Environmental Toxicology and Pharmacology, 2014, 38, 153-162.	4.0	6

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109	Quantitative toxicoproteomic analysis of zebrafish embryos exposed to a retinoid X receptor antagonist UVI3003. Journal of Applied Toxicology, 2015, 35, 1049-1057.	2.8	6
110	Comparison of phenotypic and global gene expression changes in Xenopus tropicalis embryos induced by agonists of RAR and RXR. Toxicology and Applied Pharmacology, 2017, 330, 40-47.	2.8	5
111	Microplastics in Food: Health Risks. Handbook of Environmental Chemistry, 2020, , 343-356.	0.4	5
112	Interaction of triphenyltin and an agonist of retinoid X receptor (LGD1069) in embryos of Xenopus tropicalis. Environmental Toxicology and Pharmacology, 2012, 34, 714-720.	4.0	4
113	An assay to determine the sensitive window of embryos to chemical exposure using Xenopus tropicalis. Journal of Applied Toxicology, 2016, 36, 685-691.	2.8	4
114	Histological observation on unique phenotypes of malformation induced in Xenopus tropicalis larvae by tributyltin. Journal of Environmental Sciences, 2012, 24, 195-202.	6.1	3
115	Microplastics in Inland Small Waterbodies. Handbook of Environmental Chemistry, 2020, , 93-110.	0.4	3
116	The teratogenic effects of sediments from the Yangtze Estuary and adjacent bay, China, on frog embryos. Environmental Earth Sciences, 2013, 68, 2385-2391.	2.7	2
117	Notice of Retraction: Pattern of Malformations in Xenopus tropicalis Embryos Induced by Retinoic Acids and Phenotype-Based Teratogenic Index. , 2011, , .		0