Bin Xia

List of Publications by Year in descending order

27 papers	1,907 citations	430874 18 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	2223 citing authors

#	Article	IF	Citations
1	Secondary PVC microplastics are more toxic than primary PVC microplastics to Oryzias melastigma embryos. Journal of Hazardous Materials, 2022, 424, 127421.	12.4	40
2	Fate, source and mass budget of sedimentary microplastics in the Bohai Sea and the Yellow Sea. Environmental Pollution, 2022, 294, 118640.	7.5	16
3	UV-B radiation enhances the toxicity of TiO₂ nanoparticles to the marine microalga Chlorella pyrenoidosa by disrupting the protection function of extracellular polymeric substances. Environmental Science: Nano, 2022, 9, 1591-1604.	4.3	7
4	Influence of Commercial-Scale Seaweed Cultivation on Water Quality: A Case Study in a Typical Laver Culture Area of the Yellow Sea, North China. Journal of Marine Science and Engineering, 2022, 10, 681.	2.6	5
5	Microplastic pollution in surface seawater of Sanggou Bay, China: Occurrence, source and inventory. Marine Pollution Bulletin, 2021, 162, 111899.	5.0	34
6	Factors influencing the occurrence and distribution of microplastics in coastal sediments: From source to sink. Journal of Hazardous Materials, 2021, 410, 124982.	12.4	44
7	Polystyrene microplastics increase uptake, elimination and cytotoxicity of decabromodiphenyl ether (BDE-209) in the marine scallop Chlamys farreri. Environmental Pollution, 2020, 258, 113657.	7.5	52
8	CO2-driven ocean acidification weakens mussel shell defense capacity and induces global molecular compensatory responses. Chemosphere, 2020, 243, 125415.	8.2	42
9	Spatiotemporal distribution, source identification and inventory of microplastics in surface sediments from Sanggou Bay, China. Science of the Total Environment, 2020, 723, 138064.	8.0	52
10	Impact of mariculture-derived microplastics on bacterial biofilm formation and their potential threat to mariculture: A case in situ study on the Sungo Bay, China. Environmental Pollution, 2020, 262, 114336.	7.5	63
11	Influence of shellfish biodeposition on coastal sedimentary organic matter: A case study from Sanggou Bay, China. Continental Shelf Research, 2019, 172, 12-21.	1.8	14
12	Sorption of polybrominated diphenyl ethers by microplastics. Marine Pollution Bulletin, 2019, 145, 260-269.	5.0	121
13	Microplastic ingestion in deep-sea fish from the South China Sea. Science of the Total Environment, 2019, 677, 493-501.	8.0	145
14	Toxicity of BDE-47, BDE-99 and BDE-153 on swimming behavior of the unicellular marine microalgae Platymonas subcordiformis and implications for seawater quality assessment. Ecotoxicology and Environmental Safety, 2019, 174, 408-416.	6.0	16
15	Polybrominated diphenyl ethers in the dissolved and suspended phases of seawater from Sanggou Bay, east China. Chemosphere, 2018, 203, 253-262.	8.2	26
16	Microplastic pollution in North Yellow Sea, China: Observations on occurrence, distribution and identification. Science of the Total Environment, 2018, 636, 20-29.	8.0	281
17	Ocean acidification increases the toxic effects of TiO2 nanoparticles on the marine microalga Chlorella vulgaris. Journal of Hazardous Materials, 2018, 346, 1-9.	12.4	42
18	Toxicities of polystyrene nano- and microplastics toward marine bacterium Halomonas alkaliphila. Science of the Total Environment, 2018, 642, 1378-1385.	8.0	248

#	Article	IF	Citations
19	Polystyrene microplastics alter the behavior, energy reserve and nutritional composition of marine jacopever (Sebastes schlegelii). Journal of Hazardous Materials, 2018, 360, 97-105.	12.4	295
20	Polybrominated diphenyl ethers in marine sediments of Sanggou Bay in east China. Marine Pollution Bulletin, 2017, 115, 459-464.	5.0	17
21	Effects of TiO 2 nanoparticles at predicted environmental relevant concentration on the marine scallop Chlamys farreri : An integrated biomarker approach. Environmental Toxicology and Pharmacology, 2017, 50, 128-135.	4.0	68
22	Trophic transfer of TiO₂ nanoparticles from marine microalga (Nitzschia closterium) to scallop (Chlamys farreri) and related toxicity. Environmental Science: Nano, 2017, 4, 415-424.	4.3	24
23	Are CuO nanoparticles effects on hemocytes of the marine scallop (Chlamys farreri) caused by particles and/or corresponding released ions?. Ecotoxicology and Environmental Safety, 2017, 139, 65-72.	6.0	17
24	Transcriptomic response to water accommodated fraction of crude oil exposure in the gill of Japanese flounder, Paralichthys olivaceus. Marine Pollution Bulletin, 2016, 106, 283-291.	5.0	15
25	Interaction of TiO 2 nanoparticles with the marine microalga Nitzschia closterium : Growth inhibition, oxidative stress and internalization. Science of the Total Environment, 2015, 508, 525-533.	8.0	198
26	Toxicological Effects of Crude Oil: Integrated Biomarker Responses in the Hepatopancreas of Clam Ruditapes philippinarum. Asian Journal of Chemistry, 2014, 26, 3631-3638.	0.3	2
27	Carbon and nitrogen isotopes analysis and sources of organic matter in surface sediments from the Sanggou Bay and its adjacent areas, China. Acta Oceanologica Sinica, 2014, 33, 48-57.	1.0	23