

Bin Xia

List of Publications by Year in descending order

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27
papers

1,907
citations

430754

18
h-index

526166

27
g-index

28
all docs

28
docs citations

28
times ranked

2223
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Polystyrene microplastics alter the behavior, energy reserve and nutritional composition of marine jacobever (<i>Sebastes schlegelii</i>). <i>Journal of Hazardous Materials</i> , 2018, 360, 97-105. | 6.5 | 295 |
| 2 | Microplastic pollution in North Yellow Sea, China: Observations on occurrence, distribution and identification. <i>Science of the Total Environment</i> , 2018, 636, 20-29. | 3.9 | 281 |
| 3 | Toxicities of polystyrene nano- and microplastics toward marine bacterium <i>Halomonas alkaliphila</i> . <i>Science of the Total Environment</i> , 2018, 642, 1378-1385. | 3.9 | 248 |
| 4 | Interaction of TiO ₂ nanoparticles with the marine microalga <i>Nitzschia closterium</i> : Growth inhibition, oxidative stress and internalization. <i>Science of the Total Environment</i> , 2015, 508, 525-533. | 3.9 | 198 |
| 5 | Microplastic ingestion in deep-sea fish from the South China Sea. <i>Science of the Total Environment</i> , 2019, 677, 493-501. | 3.9 | 145 |
| 6 | Sorption of polybrominated diphenyl ethers by microplastics. <i>Marine Pollution Bulletin</i> , 2019, 145, 260-269. | 2.3 | 121 |
| 7 | Effects of TiO ₂ nanoparticles at predicted environmental relevant concentration on the marine scallop <i>Chlamys farreri</i> : An integrated biomarker approach. <i>Environmental Toxicology and Pharmacology</i> , 2017, 50, 128-135. | 2.0 | 68 |
| 8 | 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. <i>Environmental Pollution</i> , 2020, 262, 114336. | 3.7 | 63 |
| 9 | Polystyrene microplastics increase uptake, elimination and cytotoxicity of decabromodiphenyl ether (BDE-209) in the marine scallop <i>Chlamys farreri</i> . <i>Environmental Pollution</i> , 2020, 258, 113657. | 3.7 | 52 |
| 10 | Spatiotemporal distribution, source identification and inventory of microplastics in surface sediments from Sanggou Bay, China. <i>Science of the Total Environment</i> , 2020, 723, 138064. | 3.9 | 52 |
| 11 | Factors influencing the occurrence and distribution of microplastics in coastal sediments: From source to sink. <i>Journal of Hazardous Materials</i> , 2021, 410, 124982. | 6.5 | 44 |
| 12 | Ocean acidification increases the toxic effects of TiO ₂ nanoparticles on the marine microalga <i>Chlorella vulgaris</i> . <i>Journal of Hazardous Materials</i> , 2018, 346, 1-9. | 6.5 | 42 |
| 13 | CO ₂ -driven ocean acidification weakens mussel shell defense capacity and induces global molecular compensatory responses. <i>Chemosphere</i> , 2020, 243, 125415. | 4.2 | 42 |
| 14 | Secondary PVC microplastics are more toxic than primary PVC microplastics to <i>Oryzias melastigma</i> embryos. <i>Journal of Hazardous Materials</i> , 2022, 424, 127421. | 6.5 | 40 |
| 15 | Microplastic pollution in surface seawater of Sanggou Bay, China: Occurrence, source and inventory. <i>Marine Pollution Bulletin</i> , 2021, 162, 111899. | 2.3 | 34 |
| 16 | Polybrominated diphenyl ethers in the dissolved and suspended phases of seawater from Sanggou Bay, east China. <i>Chemosphere</i> , 2018, 203, 253-262. | 4.2 | 26 |
| 17 | Trophic transfer of TiO ₂ nanoparticles from marine microalga (<i>Nitzschia closterium</i>) to scallop (<i>Chlamys farreri</i>) and related toxicity. <i>Environmental Science: Nano</i> , 2017, 4, 415-424. | 2.2 | 24 |
| 18 | Carbon and nitrogen isotopes analysis and sources of organic matter in surface sediments from the Sanggou Bay and its adjacent areas, China. <i>Acta Oceanologica Sinica</i> , 2014, 33, 48-57. | 0.4 | 23 |

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|----|---|-----|-----------|
| 19 | Polybrominated diphenyl ethers in marine sediments of Sanggou Bay in east China. <i>Marine Pollution Bulletin</i> , 2017, 115, 459-464. | 2.3 | 17 |
| 20 | Are CuO nanoparticles effects on hemocytes of the marine scallop (<i>Chlamys farreri</i>) caused by particles and/or corresponding released ions?. <i>Ecotoxicology and Environmental Safety</i> , 2017, 139, 65-72. | 2.9 | 17 |
| 21 | Toxicity of BDE-47, BDE-99 and BDE-153 on swimming behavior of the unicellular marine microalgae <i>Platymonas subcordiformis</i> and implications for seawater quality assessment. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 408-416. | 2.9 | 16 |
| 22 | Fate, source and mass budget of sedimentary microplastics in the Bohai Sea and the Yellow Sea. <i>Environmental Pollution</i> , 2022, 294, 118640. | 3.7 | 16 |
| 23 | Transcriptomic response to water accommodated fraction of crude oil exposure in the gill of Japanese flounder, <i>Paralichthys olivaceus</i> . <i>Marine Pollution Bulletin</i> , 2016, 106, 283-291. | 2.3 | 15 |
| 24 | Influence of shellfish biodeposition on coastal sedimentary organic matter: A case study from Sanggou Bay, China. <i>Continental Shelf Research</i> , 2019, 172, 12-21. | 0.9 | 14 |
| 25 | UV-B radiation enhances the toxicity of TiO ₂ nanoparticles to the marine microalga <i>Chlorella pyrenoidosa</i> by disrupting the protection function of extracellular polymeric substances. <i>Environmental Science: Nano</i> , 2022, 9, 1591-1604. | 2.2 | 7 |
| 26 | Influence of Commercial-Scale Seaweed Cultivation on Water Quality: A Case Study in a Typical Laver Culture Area of the Yellow Sea, North China. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 681. | 1.2 | 5 |
| 27 | Toxicological Effects of Crude Oil: Integrated Biomarker Responses in the Hepatopancreas of Clam <i>Ruditapes philippinarum</i> . <i>Asian Journal of Chemistry</i> , 2014, 26, 3631-3638. | 0.1 | 2 |