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Employment

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Education

2015 PhD in Environmental Sciences and Ecology, University of Hong Kong
2010 Msc in Genetics, Ocean University of China
2007 Bsc in Biology, Ocean University of China

Research outputs

Unraveling the role of natural and pyrogenic dissolved organic matter in photodegradation of biodegradable microplastics in freshwater

He, J., Ma, W., Han, L., Chen, L., Xu, E. G., Xing, B. & Yang, Z., Dec 2023, In: Carbon Research. 2, 14 p., 18.

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Combined toxic effects of nanoplastics and norfloxacin on mussel: Leveraging biochemical parameters and gut microbiota

Xu, R., Li, L., Zheng, J., Ji, C., Wu, H., Chen, X., Chen, Y., Hu, M., Xu, E. G. & Wang, Y., 1. Jul 2023, In: Science of the Total Environment. 880, 9 p., 163304.

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Low particle concentrations of nanoplastics impair the gut health of medaka

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Microbial communities, resistance genes, and resistome risks in urban lakes of different trophic states: internal links and external influences

Mao, C., Wang, X., Li, X., Kong, Q., Xu, E. G. & Huang, J., Feb 2023, In: Journal of Hazardous Materials Advances. 9, 9 p., 100233.

Network analysis reveals significant joint effects of microplastics and tetracycline on the gut than the gill microbiome of marine medaka

Liao, X., Zhao, P., Hou, L., Adyari, B., Xu, E. G., Huang, Q. & Hu, A., 15. Jan 2023, In: Journal of Hazardous Materials. 442, 129996.

Microplastic contamination in seawater across global marine protected areas boundaries

Nunes, B. Z., Huang, Y., Ribeiro, V. V., Wu, S., Holbech, H., Moreira, L. B., Xu, E. G. & Castro, I. B., 1. Jan 2023, In: Environmental Pollution. 316, 1, 120692.

Micro- and nanoplastics: A new cardiovascular risk factor?

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Photocatalytic strategy to mitigate microplastic pollution in aquatic environments: Promising catalysts, efficiencies, mechanisms, and ecological risks

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Parental transfer of an antibiotic mixture induces cardiotoxicity in early life-stage zebrafish: A cross-generational study

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Occurrence and distribution of microplastics in China's largest freshwater lake system

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