

Rui Xiao

Ph.D. Student

Research areas:

Marine organic geochemistry

Compound-specific Radiocarbon

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EDUCATION

M.S.&Ph.D. in Marine Chemistry 2018-present
Ocean University of China (OUC)
Advisors: Prof. Lei Xing & Prof. Rui Bao

B.S. in Chemical Engineering and Technology 2013-2017
Qingdao University (QDU)

SEA-GOING EXPERIENCE

Biogenic active gases in the eastern marginal seas of China, 973 project.

R/V Dongfanghong III 2019.12-2020.01

HONORS AND AWARDS

Outstanding Graduate Student, Ocean University of China 2020-2021

Third-class study scholarship, Qingdao University 2016-2017

SCIENTIFIC CONFERENCES

2022 Goldschmidt Conference Talk

2022 National Graduate Student Academic Forum Talk

8th Bio-Organic Geochemistry Conference Poster

PUBLICATIONS

- ✚ **Rui Xiao**, Lei Xing, Junhui Chen, Yuning Wang, Guoqiang Zhong, Yang Zhou, Xuan Huo, Yang Ding, and Rui Bao. Spatial discrepancy of hydrodynamics-driven impacts on organic biomarkers deposition and UK37' and TEX86 temperature proxies applications. *Global Biogeochemical Cycles*, 2023. <https://doi.org/10.1029/2022GB007648>

- ✚ **Rui Xiao**, Xiuning Wu, Jinzhou Du, et al. Impacts of Anthropogenic Forcing on Source Variability of Sedimentary Organic Matter in the Yellow River Estuary Over the Past 60 Years. *Marine Pollution Bulletin*, 2020.

- ✚ **XIAO Rui**, BAO Rui, XING Lei. Alkenones-specific radiocarbon analysis: A review of approaches and implications. *Advances in Earth Science*, 2021. [肖睿, 包锐, 邢磊. 长链烯酮单体碳-14 同位素分析技术进展与研究意义. *地球科学进展*, 2021]

- ✚ Song C, Dang T, Zhang T, Ge T, Xiang R, Xing L*, Bao R*, Zhou Y, **Xiao R** and Wu B (2022) Evolutions of upwelling and terrestrial organic matter input in the inner shelf of the East China Sea in the last millennium revealed by long-chain alkyl diols proxies. *Front. Mar. Sci.* 9:1027561. doi: 10.3389/fmars.2022.1027561

- ✚ XING Lei, YANG Xinxin, **XIAO Rui**. Progress of Compositions and Indications of Long-Chain Alkenones. *Periodical of Ocean University of China*, 2019.[邢磊, 杨欣欣, 肖睿. 长链烯酮的组合特征及其对盐度和母源种属指示意义的研究进展. *中国海洋大学学报(自然科学版)*, 2019]