



王遥平, 男, 博士, 副教授, 硕士生导师, 九三学社社员。2019年毕业于中国科学院广州地球化学研究所, 获地球化学博士学位。2023.11-2024.12 国家公派美国加州理工学院 (California Institute of Technology) 地质与行星科学系访问学者。主要开展滨海湿地蓝碳和全球变化 (红树林)、分子与同位素地球化学、气候变化和环境演变方面的研究工作, 发表论文 28 篇, 其中以第一作者或通讯作者发表 SCI 论文 18 篇, 中文核心期刊论文 3 篇, 合作出版学术专著 1 部。目前担任《Scientific Reports》编委和《地球化学》青年编委, 同时兼任《Journal of Hazardous Materials》、《Marine Pollution Bulletin》、《Chemical Geology》、《Palaeogeography, Palaeoclimatology, Palaeoecology》、《Organic Geochemistry》、《Economic Geology》和《地球化学》等多家国内外知名期刊审稿人。主持国家自然科学基金、广东省科技创新战略专项、深圳市项目及广东省重点实验室开放课题四项。

主持科研项目情况:

- 1、国家自然科学基金委员会, 青年科学基金, 42203028, 红树植物叶蜡氢同位素组成对盐度和降水季节变化的响应: 以湛江红树林为例, 2023-01~2025-12, 30 万元, 在研, 主持;
- 2、广东省科技厅战略专项, 2023A01027, 红树林植物群落对土壤碳储量的影响及调控机制研究, 2023-10~2026-9, 10 万元, 在研, 主持;
- 3、深圳市科技创新委员会, 面上项目, JCYJ20230807120401003, 深圳城市红树林植物叶蜡氢同位素及其生态环境意义, 2023-11~2026-11, 30 万元, 在研, 主持;
- 4、粤港澳环境质量协同创新联合实验室开放课题, GHML2022-007, 广州南沙湿地公园红树林区不同红树林群落土壤碳储量差异影响因素研究, 2022-11-12~2024-11-12, 3 万元, 结题, 主持;
- 5、广东海洋大学科博士研启动费资助项目, 北部湾油气勘探区油源对比研究, 结题, 主持

代表性学术论文和专著:

1. Wang, Y.-P.*, Song, Z., Xia, J., Zhan, Z.-W., Sessions, A.L., Silverman, S.N., Gao, Y., Li, G., He, D., 2025. Dry season dominance of salinity's impact on hydrogen isotope fractionation in *Aegiceras corniculatum* mangrove lipids. *Geochimica et Cosmochimica Acta*. doi.org/https://doi.org/10.1016/j.gca.2025.02.024.
2. Zhang, Z.-X., Sachs, J.P., Wang, Y.-P.*, Chen, Z.L., Huguet, A., He, D.*, 2025. Molecular and trace metal signatures of pristine and anthropogenically altered mangrove sediments. *Marine Pollution Bulletin* 219, 118309.
3. Cai, G., Zhan, Z.-W., Song, Z., Wang, Y.-P.*, Xia, J., He, D., 2025. *n*-Alkanes $\delta^{13}\text{C}$ and salinity correlation in mangrove *Aegiceras corniculatum* leaves and surface sediments from Zhanjiang estuaries, China. *Chemical Geology* 673, 122552. doi.org/https://doi.org/10.1016/j.chemgeo.2024.122552.
4. Wang, Y.-P., Luo, T., Chen, J., Zhan, Z.-W., Song, Z., Xing, L., He, D.*, 2023. Influence of salinity on hydrogen isotope fractionation of *n*-alkanes in mangrove leaves and surface sediments: A comparison across various geomorphological settings. *Chemical Geology* 634, 121589.
5. Wang, Y.-P., Luo, T., Zhou, X., Zhan, Z.-W., Song, Z.*, He, D., 2022. Inverse relationships between salinity and hydrogen isotope fractionation of *n*-alkanes in the *Aegiceras corniculatum* leaves and surface sediments from Zhanjiang mangrove estuary of China. *Chemical Geology* 612.

6. Wan, Y., Peng, M., **Wang, Y.P.***, 2024. Assessment of heavy metal concentrations in roadside soils and plants around the Dexing copper mine: implications for environmental management and remediation. *Environ Monit Assess* 196(3), 251. doi.org/10.1007/s10661-024-12422-7.
7. Ma, X., Song, Z., **Wang, Y.-P.***, Wang, S., Zhan, Z.-W., He, D.*, 2025. Heavy metal dynamics in riverine mangrove systems: A case study on content, migration, and enrichment in surface sediments, pore water, and plants in Zhanjiang, China. *Marine Environmental Research* 203. doi.org/10.1016/j.marenvres.2024.106832.
8. Zhou, X., **Wang, Y.-P.***, Song, Z., 2022. Heavy Metal Contamination and Ecological Risk Assessments in Urban Mangrove Sediments in Zhanjiang Bay, South China. *ACS Omega* 7, 21306-21316.
9. **Wang, Y.-P.**, Zhang, F., Zou, Y.-R.*, Zhan, Z.-W., Peng, P., 2016. Chemometrics reveals oil sources in the Fangzheng Fault Depression, NE China. *Organic Geochemistry* 102, 1-13.
10. **Wang, Y.-P.**, Zhang, F., Zou, Y.-R.*, Sun, J.-N., Lin, X.-H., Liang, T., 2018. Oil source and charge in the Wuerxun Depression, Hailar Basin, northeast China: A chemometric study. *Marine and Petroleum Geology* 89, 665-686.
11. **Wang, Y.-P.**, Zou, Y.-R.*, Zhan, Z.-W., Lin, X.-H., Liang, T., 2018. Origin of natural gas in the Turpan-Hami Basin, NW China: Evidence from pyrolytic simulation experiment. *International Journal of Coal Geology* 195, 238-249.
12. **Wang, Y.-P.***, Zhan, X., Zhou, X., Gao, Y., Wang, S., Xia, J., Song, Z., 2022. The Geochemical Study of Oil-Oil and Oil-Source Rock Correlations in the Wushi Sag of the Beibu Gulf Basin, South China Sea. *Frontiers in Earth Science* 10. <https://doi.org/10.3389/feart.2022.850922>.
13. **Wang, Y.-P.**, Luo, T., Gao, Y.*, Yu, S., Wang, S.B., Zou, Y.-R., 2020. Pearson correlation analysis of factors controlling the high abundance of rearranged hopanes in crude oils from the Southwest Depression of the Tarim Basin, China. *Geochemical Journal* 54, 105-115.
14. **Wang, Y.-P.***, Zhan, X., Gao, Y., Wang, S.B., Xi, J., Zou, Y.-R., 2020. Chemometric differentiation of natural gas types in the northwestern Junggar Basin, NW China. *Energy Exploration & Exploitation* 38, 2128-2142.
15. **Wang, Y.-P.***, Zhan, X., Gao, Y., Xia, J., Wang, S., Zou, Y.-R., 2020. Geochemical Signatures and Controlling Factors of Rearranged Hopanes in Source Rocks and Oils from Representative Basins of China. *ACS Omega* 5, 30160-30167.
16. **Wang, Y.-P.***, Zhan, X., Luo, T., Gao, Y., Xia, J., Wang, S., Zou, Y.-R., 2020. Oil chemometrics and geochemical correlation in the Weixinan Sag, Beibuwan Basin, South China Sea. *Energy Exploration & Exploitation*, 2695-2710.
17. **Wang, Y.-P.**, Zhan, X., Zou, Y.-R.*, Rodriguez, C.G.V., Liao, W., 2019. Chemometric methods as a tool to reveal genetic types of natural gases – A case study from the Turpan-Hami Basin, northwestern China. *Petroleum Science and Technology* 37, 310-316.
18. **Wang, Y.-P.**, Zhang, F., Zou, Y.-R.*, Zhan, Z.-W., Cai, Y., 2018. Origin and genetic family of Huhehu oil in the Hailar Basin, northeast China. *Acta Geochimica* 37, 820-841.
19. **Wang, Y.-P.**, Zou, Y.-R.*, Shi, J.-T., Shi, J., 2018. Review of the chemometrics application in oil-oil and oil-source rock correlations. *Journal of Natural Gas Geoscience* 3, 217-232.
20. 陈静怡, 罗涛, 詹兆文, **王逸平***, 宋之光, 2023. 湛江湖光岩玛珥湖沿岸植物正构烷烃分布特征及其氢同位素组成, *地球化学*, 1-12.
21. 罗涛, **王逸平***, 朱昀, 宋之光, 2022. 雷州半岛红树林表层沉积物正构烷烃组成分布特征研究. 41, 1-9.

学术专著:

邹艳荣、**王逸平**、詹兆文. 油气地球化学计量学-基础与应用.北京: 科学出版社, 2021。

邮箱: wangyp@gdou.edu.cn