陈杰

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研究领域

大洋中脊、被动源地震、大洋拆离断层、海底火山、岩浆供给系统、热液循环、地质绘图、数值模拟等

教育背景

2018-	博士生，巴黎大学，巴黎地球物理学院，海洋地球科学 论文标题：慢速扩张洋中脊上岩浆供给对断层分布、火山作用以及热结构的影响. 论文导师：Mathilde Cannat
2015-2018	硕士，自然资源部第二海洋研究所，海洋地球物理 论文标题：西南印度洋脊 Indomed 和 Gallieni 间（46°-52°E）分段性及岩浆供给研究. 论文导师：陶春辉
2011-2015	本科，中国海洋大学，勘查技术与工程

学术成果

1. **Chen J.**, Cannat M., Tao C., Sauter D., and Munschy M. (2021). 780 thousand years of upper-crustal construction at a melt-rich segment of the ultraslow spreading Southwest Indian Ridge 50°28'E. Journal of Geophysical Research: Solid Earth. https://doi.org/10.1029/2021JB022152.
2. **Chen J.**, Crawford W. C., and Cannat M. Microseismicity of a nearly amagmatic mid-ocean ridge flip-flop detachment fault system. (Submitted to Nature Geoscience)
3. **Chen J.**, Olive J.A., and Cannat M. Melt supply control on the thermal regime of slow and ultraslow spreading ridges. (In prep)
4. **Chen J.**, Zhang T., Li H., Tao C., Cannat M., and Sauter D. Evolution of enhanced magmatism at the ultraslow spreading Southwest Indian Ridge between 46°E and 53°E. (In prep)
5. Ding T., Wang J., Tao C., Dias Á.A., Liang J., Wang Y., **Chen J.** et al. (2021). Trace-element compositions of sulfides from inactive Tianzuo hydrothermal field, Southwest Indian Ridge: Implications for ultramafic rocks hosting mineralization. Ore Geology Reviews. https://doi.org/10.1016/j.oregeorev.2021.104421.
6. Ding T., Tao C., Dias Á.A., Liang J., **Chen J.** et al. (2021). Sulfur isotopic compositions of sulfides along the Southwest Indian Ridge: implications for mineralization in ultramafic rocks. Mineralium Deposita. https://doi.org/10.1007/s00126-020-01025-0.
7. Li, H., Tao, C., Yue, X., Baker, E.T., Deng, X., Zhou, J., Wang, Y., Zhang, G., **Chen, J.** et al. (2020). Enhanced hydrothermal activity on an ultraslow-spreading supersegment with a seismically detected melting anomaly. Marine Geology. https://doi.org/10.1016/j.margeo.2020.106335.
8. **Chen J**, Tao C, Liang J, et al., (2018). Newly discovered hydrothermal fields along the ultraslow-spreading Southwest Indian Ridge around 63°E. Acta Oceanologica Sinica.

https://doi.org/10.1007/s13131-018-1333-y.

参加会议

1. **Chen J**, Crawford W C, and Cannat M. Microseismicity constraints on brittle lithosphere thickness at a nearly amagmatic spreading corridor of the ultraslow Southwest Indian Ridge. AGU Fall Meeting, 2020. (poster)
2. **Chen J**, Cannat M, and Tao C. 780-thousand years of volcanic seafloor accretion at a melt-rich segment of the ultraslow-spreading Southwest Indian Ridge 50°28'E. AGU Fall Meeting, 2019. (poster)
3. **Chen J**, Li H, Zhang T, et al., Segmentation and melt supply along the ultraslow-spreading Southwest Indian Ridge (46°E to 52°20'E). China Oceanography Academy, Qingdao, October 31, 2017. (poster)
4. **Chen J**, Li H, Zhang T, et al., Characteristics and mechanisms of magma supply along Southwest Indian Ridge between 46°E and 52.3°E. Chinese Geophysical Union Fall meeting, Beijing, October 15-18, 2017. (oral presentation)

获得资助

2018–2021　中国国家留学基金委员会

出海经历

大西洋洋中脊 Momarsat19 航次（Pourquoi Pas?科考船），2019 年 7 月
太平洋海试（雪龙号），2017 年 7 月

邀请报告

2021.09　南方科技大学
2021.06　Institut de Physique du Globe de Paris, Université de Paris
2020.04　Institut de Physique du Globe de Paris, Université de Paris

相关技能及其他

计算机技能: GMT, Global Mapper, MATLAB, Python, SEISAN
语言：英语、中文
爱好：武术