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中国石油大学（北京）教授

研究领域：沉积构造耦合、盐构造、深水沉积过程

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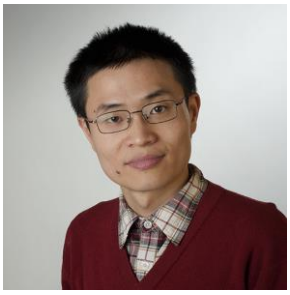

我的研究主要是以盆地分析为核心，应用多种研究手段（地震数据分析、数值模拟和物理模拟）开展盆地研究。特别侧重于含盐构造和深水沉积的耦合过程。截至目前，已在国际一流的地学期刊如《Geology》、《Basin Research》、《Sedimentology》和综合类期刊如《Science Advances》上发表文章 10 余篇。

1. 个人基本情况

1A. 教育背景

2011.10 – 2015.10	挪威卑尔根大学地球科学系石油地质博士
2009.09 – 2010.09	英国伦敦大学皇家霍洛威学院地球科学系地质硕士
2005.09 – 2009.06	浙江大学地球科学理学学士 (公共管理辅修)

1B. 工作经历

2021.07 至今	教授	中国石油大学（北京）地球科学院地质系
2020.06 –2021.07	副教授	中国石油大学（北京）地球科学院地质系
2016.07 – 2019.12	博士后, 博士生导师	挪威卑尔根大学地球科学系
2013.09 – 2014.06	助教	挪威卑尔根大学地球科学系
2010.10 – 2011.10	研究助理	英国伦敦大学皇家霍洛威学院地球科学系

1C. 访问研究

2018.06 – 2018.09	德国波茨坦地学研究中心(GFZ)
2008.8	浙江省地震局

2. 教学经验

2013–2014	石油地质	助教	卑尔根大学
2013–2014	地球物理数据解释	助教	卑尔根大学

3. 行业协会

美国石油地质学家协会（AAPG）会员

国际沉积学家协会（IAS）会员

4. 科研项目

3A. 主持项目 (PI)

1. 国家自然科学基金青年项目，“浊流对多段褶皱地貌响应的数值模拟研究”，2022-2024
2. 油气资源与探测国家重点实验室课题，“浊流对复杂地貌响应的数值模拟研究”，2021–2022
3. 中国石油大学（北京）优秀青年学者科研启动基金，“含盐盆地的构造沉积耦合”，2020–2023
4. EON 能源公司与 EPOS (European Plate Observing System)联合资助项目，“Minibasin evolution in passive margin salt basins”，2018
5. 卑尔根大学 SPIRE 国际研究战略项目的子课题负责人, 2017–2018

3B. 核心参与项目

1. 挪威国家石油公司项目，“Turbidites, Topography and Tectonics (T3): understanding the response of turbidity currents to structurally controlled seafloor topography”，核心研究人员，2016–2020
2. 道达尔公司项目，“Late Jurassic tectono-stratigraphic development of the Norwegian Central Graben and the influence of normal faulting on turbidite sedimentation”，核心研究人员，2011–2015
3. 巴西国家石油项目，“Kinematics and Mechanics of Salt-related Fold & Fault Structures in South-Atlantic Passive Margin Sedimentary Basins”，核心研究人员，2009–2011

5.文章发表

1. **Ge, Z.***, Rosenau, M., & Warsitzka, M., (2021), How Topographic Slopes Control Gravity Spreading in Salt-bearing Passive Margins: Insights from Analogue Modelling. (preprinted in EssoAr: doi: https://doi.org/10.1002/essoar.10506599.3).
2. **Ge, Z.***, Nemec, W., Velling, A., & Gawthorpe, R., (2022), How is a turbidite actually deposited? *Science Advances.* doi: https://doi.org/10.1126/sciadv.abl9124
3. Maselli, V.*, Micallef, A., Normandeau, A., Oppo, D., Iacopini, D., Green, A., **Ge, Z.**, (2021), Active faulting controls bedform development on a deep-water fan. *Geology*. doi: https://doi.org/10.1130/G49206.1
4. **葛智渊***. (2021). 被动大陆边缘盐构造研究进展. *地质论评*. doi:https://doi.org/10.16509/j.georeview.2021.01.012
5. Howlett, D.*, Gawthorpe, R., **Ge, Z.**, Rotevatn, A., & Jackson, C. A-L, (2021), Turbidites, Topography and Tectonics: Evolution of submarine channel-lobe systems in the salt-influenced Kwanza Basin, offshore Angola. *Basin Research.* doi: https://doi.org/10.1111/bre.12506.
6. **Ge, Z.***, Gawthorpe, R., Zijerveld, L., & Oluboyo, A. P., (2021), Controls on variations of geometry and stratigraphy in salt minibasins: Lower Congo Basin, Angola Margin. *Basin Research.* doi: https://doi.org/10.1111/bre.12486
7. **Ge, Z.***, Warsitzka, M., Rosenau, M., & Gawthorpe, R., (2019), Progressive margin tilting controls thin-skinned deformation in salt-bearing basins. *Geology*. doi: https://doi.org/10.1130/G46485.1
8. **Ge, Z.***, Gawthorpe, R., Rotevatn, A., Zijerveld, L., Jackson, C. A.-L., & Oluboyo, A. P., (2019), Minibasin depocentre migration during diachronous salt welding, offshore Angola. *Basin Research*. doi: https://doi.org/10.1111/bre.12404
9. **Ge, Z.***, Rosenau, M., Warsitzka, M., & Gawthorpe, R., (2019), Overprinting translational domains in passive margin salt basins: Insights from analogue modelling. *Solid Earth*. doi: https://doi.org/10.5194/se-10-1283-2019
10. Howlett, D. M.*, **Ge, Z.,** Nemec, W., Gawthorpe, R., Rotevatn, A., & Jackson, C. A.-L., (2019) Response of unconfined turbidity current to deep-water thrust fold-belt topography: orthogonal incidence on solitary and segmented folds. *Sedimentology.* doi: https://doi.org/10.1111/sed.12602
11. **Ge, Z.***, Nemec, W., Gawthorpe, R., Rotevatn, A., & Ernst, H., (2018) Response of unconfined turbidity

current to relay-ramp topography: insights from process-based numerical modelling. *Basin Research*, doi: https://doi.org/10.1111/bre.12255

12. **Ge, Z.***, Gawthorpe, R., Rotevatn, A., & Thomas, M., (2017) Impact of normal faulting and pre-rift salt tectonics on the structural style of salt-influenced rifts: the Late Jurassic Norwegian Central Graben, North Sea. *Basin Research*, doi: https://doi.org/10.1111/bre.12219
13. **Ge, Z.*,** Nemec, W., Gawthorpe, R., & Ernst, H., (2017) Response of unconfined turbidity current to normal-fault topography. *Sedimentology*, 64: 932–959. doi: https://doi.org/10.1111/sed.12333
14. Adam, J.*, **Ge, Z.,** & Sanchez, M. (2012). Salt-structural styles and kinematic evolution of the Jequitinhonha deepwater fold belt, central Brazil passive margin. *Marine and Petroleum Geology*, 37(1), 101-120. doi: https://doi.org/10.1016/j.marpetgeo.2012.04.010
15. Adam, J.*, **Ge, Z.,** & Sanchez, M. (2012). Post-rift salt tectonic evolution and key control factors of the Jequitinhonha deepwater fold belt, central Brazil passive margin: Insights from scaled physical experiments. *Marine and Petroleum Geology*, 37(1), 70-100. doi: https://doi.org/10.1016/j.marpetgeo.2012.06.008
16. **葛智渊**, 李东平. 2009. 基于 GIS 的浙江省地震快速评估模型构建研究. *华北地震科学*, 27(3): 12-16.

6.会议发表

1. **Ge, Z**., Gawthorpe, R., Rotevatn, A., Zijerveld, L., Jackson, C. A-L, & Oluboyo, A. P., Diachronous Minibasin Welding Controls Hydrocarbon Migration and Trapping. 美国石油地质学会年会（AAPG ACE）, 2020.
2. **Ge, Z.**, Warsitzka, M., Rosenau, M. & Gawthorpe, R.L. The Impact of Instant Versus Progressive Margin Tilting Upon Passive Margin Salt Basins. AAPG GTW EuroAsian Mature Salt Basins, 克拉科夫, 2019 年 4 月 16–17 日
3. **Ge, Z.,** Warsitzka, M., Rotevatn, A., Gawthorpe, R.L., Zijerveld, L. & T. Wrona. Extension initiation and localization on minibasin formation in passive margin salt basins. TSG, 卑尔根, 2019 年 1 月 14–16 日.
4. **Ge, Z.**, Rosenau, M., Warsitzka, M. & Gawthorpe, R.L. Kinematic domain partitioning in passive margin salt basins: the myth of translational domain. GeoMod2018, 巴塞罗那, 2018 年 10 月 1–4 日.
5. **Ge, Z.**, Nemec, W., Gawthorpe, R.L., Rotevatn, A., Basani, R. & Hansen, E.W.M. The impact of fault topography on turbidity currents descending from the slope to the floor of an early-stage deep-water rift basin: insights from CFD numerical simulations. IAS 2013. 第 30 届国际沉积学会大会, 曼切斯特, 2013 年 9 月 2–9 日.
6. **Ge, Z**., Gawthorpe, R., Rotevatn, A., & Wonham, J. Variations in Depocentre Style under Mid-Late Jurassic Salt-Influenced Rifting: Norwegian Central Graben, North Sea.美国石油地质学会年会(AAPG 2013 ACE), 匹兹堡, 2013 年 5 月 19–22 日.