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Education

- 2021 – pres 📖 **Ph.D., Oceanography, Shanghai Jiao Tong University.**
Supervisor: Lei Zhou.
- 2018 – 2021 📖 **M.Sc., Oceanography, Shanghai Jiao Tong University.**
Thesis title: *The impact of ocean subsurface thermodynamic structure on tropical cyclone genesis over the western North Pacific.*
- 2014 – 2018 📖 **B.Sc., Oceanography, Tongji University.**
Thesis title: *The impact of 2015/16 extreme El Niño on mesoscale eddies in the South China Sea.*

Research Publications

Journal Articles

- 1 **Gao, C., & Zhou, L.** (2022). Tropical cyclone genesis over the western North Pacific simulated by Coupled Model Intercomparison Project Phase 6 models. *Acta Oceanologica Sinica*, 41(5), 64–77.
🔗 doi:10.1007/s13131-021-1860-9
- 2 **Gao, C., Zhou, L., Wang, C., Lin, I.-I., & Murtugudde, R.** (2022). Unexpected limitation of tropical cyclone genesis by subsurface tropical central-north Pacific during El Niño. *Nature Communications*, 13, 7746. 🔗 doi:10.1038/s41467-022-35530-9
- 3 Li, B., Zhou, L., Wang, C., **Gao, C.**, Qin, J., & Meng, Z. (2020). Modulation of tropical cyclone genesis in the Bay of Bengal by the central Indian Ocean mode. *Journal of Geophysical Research: Atmospheres*, 125(12), e2020JD032641. 🔗 doi:10.1029/2020JD032641

Conference Proceedings

- 1 **Gao, C., Zhou, L., Chunzai, W., Lin, I.-I., & Murtugudde, R.** (2022). Suppression of tropical cyclone genesis by subsurface environment in the tropical central North Pacific during El Niño. In *AOGS 2022, Virtual*.
- 2 **Gao, C., & Zhou, L.** (2019). Projections of tropical tyclones in western North Pacific under climate change: Using a new genesis potential index. In *AGU Fall Meeting 2019*, San Francisco, California. Retrieved from 🔗 <https://agu.confex.com/agu/fm19/meetingapp.cgi/Paper/514800>

Awards & Achievements

- 2021 📖 **Outstanding Graduate**, Shanghai Jiao Tong University.
- 2020 📖 **National Scholarship**, Ministry of Education of the People's Republic of China.
- 2019 📖 **Second Prize**, National Graduate Student Mathematical Contest in Modeling.
- 2018 📖 **Outstanding Graduate**, Tongji University.