Linqiang He

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ResearchGate: https://www.researchgate.net/profile/Linqiang-He

Personal website: https://helq1116.github.io/

Research Interests: Climate dynamics, Machine learning, Paleoclimate

Education

2019-2024 Meteorology (Ph.D.), Supervisor: Tianjun Zhou

Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China P.R.

2015-2019 Atmospheric Sciences (B.S.)

Nanjing University of Information Science and Technology, Nanjing, Jiangsu, China P.R.

Skills

- ☐ **Data processing and visualization**
  - Proficiency in Python, MATLAB, NCL, BASH, Fortran
- ☐ **Diagnostic Technique**
  - Good working experience in running CESM (e.g., paleoclimate modeling)
  - Physical diagnosis and statistical techniques
- ☐ **Strong oral and written communication skills**

Publication (published & submitted)

1. **He, L.,** Hao, X., et al. 2021. How Do Extreme Summer Precipitation Events Over Eastern China Subregions Change? ***Geophys. Res. Lett.***, 48.https://doi.org/10.1029/2020GL091849.
2. **He, L.,** Hao, X., et al. 2021. The asymmetric impacts of ENSO modoki on boreal winter climate over the Pacific and its rim. ***Clim. Dyn.***, 56, 29–44. https://doi.org/10.1007/s00382-020-05395-z.
3. **He, L.**, Zhou, T., et al., 2022. South Asian summer rainfall from CMIP3 to CMIP6 models: biases and improvements. ***Clim. Dyn***. https://doi.org/10.1007/s00382-022-06542-4.
4. **He, L.**, Chen, X., et al. 2023. Common sources of model uncertainty in the mean-state of South Asian summer rainfall from CMIP3 to CMIP6. ***Journal of Climate***. Under review.
5. **He, L.**, Zhou, T., et al., 2023. Northward extension of East Asian summer monsoon since

the Miocene driven by the Tibetan Plateau uplift. ***Geophys. Res. Lett***. Under review.

6. **He, L.**, Zhou, T., et al., 2023. Earlier seasonal march of the East Asian summer monsoon in the mid-Pliocene. ***Journal of Climate***. Under review.
7. **He, L.**, Zhou, T., et al., 2023. Orographically forced spring persistent rains emerge in East Asia but disappear in North America. Submitted.
8. **He, L.**, Zhou, T., et al. 2023. Anthropogenic influence on precipitation changes across all intensities over the Tibetan Plateau. Submitted.

Honors and Awards

- **2020 Excellent Freshman Scholarship (20000 RMB)**
  Institute of Atmospheric Physics, Chinese Academy of Sciences

Professional Services

- **2022-2023** Reviewer for ***Geophysical Research Lett***er, ***Climate dynamics***

References

1. Prof. **Tianjun Zhou**, expert on climate change and modeling
   Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China
   Email: zhoutj@lasg.iap.ac.cn

2. A.P. **Xiaolong Chen**, expert on monsoon and cloud feedback
   Institute of Atmospheric Physics, Chinese Academy of Sciences, Beijing, China
   Email: chenxiaolong@mail.iap.ac.cn

3. Dr. **Ziming Chen**, expert on future projection and observational constraint
   Atmospheric, Climate, & Earth Sciences Division, Pacific Northwest National Laboratory, Richland, United States
   E-mail: ziming.chen@pnnl.gov