

## Huang's Complete List of Books and SCI Papers

(\* indicates that Huang is the corresponding author)

### Books

- [1] **Huang, J.**, Guan, X., & Yu, H. (2023). *Semi-Arid Climate Change*. World Scientific.
- [2] **Huang, J.**, Liu, Y., & Zhang, G. (2022). *What is Atmospheric Science?* Dalian University of Technology Press. (in Chinese)
- [3] **Huang, J.**, Bi, J., Wang, G., Zhang, B., Huang, Z., Ge, J., & Shi, J. (2022). *Observational Principles of Arid Climate System*. Science Press. (in Chinese)
- [4] **Huang, J.** (2018). *Physical Climatology*. China Meteorological Press. (in Chinese)
- [5] Lin, B., & **Huang, J.** (1994). *Introduction to Dynamic Climatology*. China Meteorological Press. (in Chinese)
- [6] **Huang, J.** (1992). *Theoretical Climate Model*. China Meteorological Press. (in Chinese)

### SCI Papers

- [1] Huang, Z., X. Yu, Q. Liu, T. Maki, K. Alam, Y. Wang, F. Xue, S. Tang, P. Du, Q. Dong, D. Wang, and **J. Huang\***, Bioaerosols in the atmosphere: A comprehensive review on detection methods, concentration and influencing factors, *Science of The Total Environment*, 912 (2024), 168818, doi: 10.1016/j.scitotenv.2023.168818.
- [2] Zhang, L., **J. Huang\***, W. Yan, Y. Zhao, D. Wang, and B. Chen, Global prediction for mpox epidemic, *Environmental Research*, 243 (2024), 117748, doi: 10.1016/j.envres.2023.117748.
- [3] Gu, T., X. Guan, **J. Huang**, X. Shen, X. Huang, G. Zhang, D. Han, L. Fu, and J. Nie, The turning of ecological change in the Yellow River Basin, *Hydrological Processes*, 37 (12) (2023), e15055, doi: 10.1002/hyp.15055.
- [4] Li, Y., J. Li, S. Xu, J. Li, J. He, and **J. Huang**, Diurnal variation in the near-global planetary boundary layer height from satellite-based CATS lidar: Retrieval, evaluation, and influencing factors, *Remote Sensing of Environment*,

299 (2023), 113847, doi: 10.1016/j.rse.2023.113847.

- [5] Xie, Y., **J. Huang\***, G. Wu, Y. Liu, W. Dong, M. Lu, B. He, Z. Su, Q. Bao, Q. Zhao, and Y. Liu, Oceanic repeaters boost the global climatic impact of the Tibetan Plateau, *Science Bulletin*, 68 (19) (2023), 2225-2235, doi: 10.1016/j.scib.2023.07.019.
- [6] Liu, X., L. Wang, **J. Huang\***, Y. Wang, C. Li, L. Ding, X. Lian, and J. Shi, Revealing the covariation of atmospheric O<sub>2</sub> and pollutants in an industrial metropolis by explainable machine learning, *Environmental Science & Technology Letters*, 10 (10) (2023), 851-858, doi: 10.1021/acs.estlett.3c00505.
- [7] Li, H., **J. Huang\***, X. Lian, Y. Zhao, W. Yan, L. Zhang, and L. Li, Impact of human mobility on the epidemic spread during holidays, *Infectious Disease Modelling*, 8 (4) (2023), 1108-1116, doi: 10.1016/j.idm.2023.10.001.
- [8] Feng, T., T. Yuan, J. Cao, Z. Wang, R. Zhi, Z. Hu, and **J. Huang**, The influence of dust on extreme precipitation at a large city in North China, *Science of The Total Environment*, 901 (2023), 165890, doi: 10.1016/j.scitotenv.2023.165890.
- [9] Ma, J., H. Ren, M. Cai, and **J. Huang**, Seasonally evolving trends explain the north-south dipole pattern observed in Tibetan Plateau precipitation, *Geophysical Research Letters*, 50 (17) (2023), e2023GL104891, doi: 10.1029/2023GL104891.
- [10] **Huang, J.\***, X. Zhou, G. Wu, X. Xu, Q. Zhao, Y. Liu, A. Duan, Y. Xie, Y. Ma, P. Zhao, S. Yang, K. Yang, H. Yang, J. Bian, Y. Fu, J. Ge, Y. Liu, Q. Wu, H. Yu, B. Wang, Q. Bao, and K. Qie, Global climate impacts of land-surface and atmospheric processes over the Tibetan Plateau, *Reviews of Geophysics*, 61 (3) (2023), e2022RG000771, doi: 10.1029/2022RG000771.
- [11] Zhang, J., S. Wang, **J. Huang**, Y. He, and Y. Ren, The precipitation-recycling process enhanced extreme precipitation in Xinjiang, China, *Geophysical Research Letters*, 50 (15) (2023), e2023GL104324, doi: 10.1029/2023GL104324.
- [12] **Huang, J.\***, Y. Zhao, W. Yan, X. Lian, R. Wang, B. Chen, and S. Chen, Multi-source dynamic ensemble prediction of infectious disease and application in

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