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Education:

B.S., Meteorology, Beijing University, 1983
M.S., Meteorology, Chinese Academy of Meteorological Sciences, 1986
Ph.D., Meteorology, University of Hawaii at Manoa, 1993

Employment (1993-present):

Post-doc, GFDL, Princeton University, Princeton, NJ, 1993-1995
Visiting Scientist, Naval Research Laboratory, Monterey, CA, 1995-1997
Research Assistant Professor, Naval Postgraduate School, Monterey, 1997 - 1999
Associate Professor, University of Hawaii, Honolulu, Hawaii, 1999 – 2004
Professor, University of Hawaii, Honolulu, Hawaii, 2004 – present

Research interest:

General research interests: Dynamics of tropical and mid-latitude atmosphere, climate dynamics, atmosphere-ocean interaction and numerical weather prediction.

Current research topics: (1) Dynamics of ENSO and inter-basin teleconnection, (2) Asian-Australian monsoon variability, (3) Climate changes, (4) Madden-Julian Oscillation (MJO) and mid-latitude Intraseasonal Oscillation (ISO), (5) Tropical cyclone, and (6) Extreme weather and climate events.

Publication list:

473. Chen, H.-Y., C. Qin, T. Li, 2025: Origins of synoptic and intraseasonal variabilities in the Northwestern Pacific monsoon trough. Climate Dynamics 63(8), DOI: 10.1007/s00382-025-07809-2
472. Ding, R.-Q., T. Qi, Jin-Yi Yu, H. Nnamchi, T. Li, J. Li, and X. Li, 2025: Unraveling the mystery of recent shortened response time of ENSO to Atlantic forcing. Nature Communication. In press.
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470. Fu, S.-S., Z. Zhu, H.-P. Yu, T. Li, 2025: The diversity of the boreal spring North Atlantic sea surface temperature tripole pattern and corresponding Northern Hemispheric surface air temperature anomalies, ERL, in press.
469. Young, Y.-M., D.-Y. Lee, J. Lee, S/-I. An, T. Li, B. Wang, 2025: Global fire emission linked to Madden-Julian Oscillation. AAS, in press.

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467. Yan, Z., B. Wu, T. Li, M. Collins, T. Zhou, W. Zhou, 2025: Increased longitudinal separation of equatorial rainfall responses to Eastern Pacific and Central Pacific El Niño under global warming. npj Climate and Atmospheric Science, in press.
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465. Chen, A.-L., J. Gao, T. Li, 2024: Formation of long-lasting inactive and active multiple tropical cyclone events in the western North Pacific. 62, 3823-3840.
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460. Gong, Y.-H., T. Li, 2024: Southward-shift Zonal Wind Patterns during ENSO in CMIP6 Models. Climate Dynamics, 62, 8979-8992. https://doi.org/10.1007/s00382-024-07374-0
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Services/awards in national and international communities:

Fellow, Asia Oceanic Geosciences Society (AOGS), 2025
Excellence in Research Medal, University of Hawaii Board of Regent (BOR), 2019
Excellent Paper Citation Award, Terr. Atmos. Ocean. Sci., 2021
Advances in Atmospheric Sciences Esteemed Paper Prize, 2018, 2023
Excellent Paper Citation Award, Terr. Atmos. Ocean. Sci., 2021
Panel member, World Meteorological Organization WWRP Monsoon Panel, 2017 –
Panel member, CLIVAR AMIP East Asian Climate (EAC) Panel, 2005 –
Affiliated Scientist, APEC Climate Center, Bussan, South Korea, 2006 –
Editor, Journal of Climate, 2015 – 2021
Co-Chief Editor, Journal of Meteorological Research, 2017 – 2024
Editor, BAMS State of the Climate, 2017 – 2021
Editor, Earth-Science Reviews, 2015 – 2017
Editor, Dynamics of Atmospheres and Oceans, 2014 – 2017

Research grants (2019-2023):

NSF, Mechanisms for El Nino and La Nina Evolution Asymmetry and Formation of Super El Ninos, 11/1/2016 – 10/30/2019, $496,497.
NSF, Zonal Asymmetry of Moist Static Energy Tendency and MJO Eastward Propagation in Climate Models, 7/1/2017 – 6/30/2020, $407,662.
NSF, ENSO interaction with tropical Atlantic and Indian Oceans, 7/1/2020 – 6/30/2023, $599,399.
NOAA, Upscale Feedback of Higher-Frequency Modes to MJO over Maritime Continent, 7/1/2018 – 6/30/2023, $366,406.

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