

Tim Li
Professor

Department of Atmospheric Sciences and International Pacific Research Center (IPRC)
University of Hawaii at Manoa
1680 East West Road, POST 409B, Honolulu, HI 96822
Tel: 808-956-9427, Fax: 808-956-9425, E-mail: timli@hawaii.edu
Homepage: <http://iprc.soest.hawaii.edu/users/li/>

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 interest areas are tropical meteorology, climate dynamics, atmosphere-ocean interactions, numerical weather prediction, and future climate change. The current research topics include: (1) Dynamics of ENSO, Tropical Indian Ocean and Atlantic modes and inter-basin teleconnection, (2) Variability of Asian-Australian monsoon and Tropospheric Biennial Oscillation (TBO), (3) Climate changes and future projection under global warming, (4) Dynamics of the Madden-Julian Oscillation (MJO), (5) Dynamics of tropical cyclone formation, and (6) Nonlinear rectification and upscale feedback.

Publication list:

318. Xu, Z.-M., Y. Sun, T. Li, Z. Zhong, J. Liu and C. Ma, 2019: Tropical Cyclone Size Change under Ocean Warming and Associated Responses Related to Tropical Cyclone Destructiveness: Idealized Experiments. *J. Meteor. Res.*, in press.
317. Yan, Z., B. Wu, T. Li, M. Collins, T. Zhou, R. Clark, M. James, and G. Tan, 2019: Eastward shift and extension of ENSO-induced tropical precipitation anomalies under global warming. *Science Advances*, in press.
316. Yao, S., T. Li, 2019: The 10-30-day oscillation of winter rainfall in southern China and its relationship with circulation patterns in different latitudes. *International Journal of Climatology*, in press.
315. He, Chao, T. Zhou, and T. Li, 2019: Weakened anomalous western North Pacific anticyclone during an El Niño–decaying summer under a warmer climate: Dominant role of the weakened impact of the tropical Indian Ocean on the atmosphere. *J. Climate*, 32, 213–230, <https://doi.org/10.1175/JCLI-D-18-0033.1>.

314. Shi, D., X. Ge, M. Peng, and T. Li, 2019: Characterization of tropical cyclone rapid intensification under two types of El Niño events in the Western North Pacific. *International Journal of Climatology*, in press.
313. Chang, M.-Y., T. Li, P.-L. Lin, and T.-H. Chang, 2019: Forecasts of MJO Events during DYNAMO with a Coupled Atmosphere–Ocean Model: Sensitivity to Cumulus Parameterization Scheme. *J. Meteor. Res.*, in press.
312. Lu, J.-H., T. Li, and L. Wang, 2019: Precipitation Diurnal Cycle over the Maritime Continent Modulated by the MJO. *Clim. Dyn.*, in press.
311. Cui, J., L. Wang and T. Li, 2019: Can reanalysis products with only surface variables assimilated capture MJO characteristics? *International Journal of Climatology*, in press.
310. He, Chao, Y. Wang, and T. Li, 2019: Weakened impact of the developing El Niño on tropical Indian Ocean climate variability under global warming. *J. Climate*, 32 (21):7265-7279. doi:10.1175/jcli-d-19-0165.1
309. Chen, M., Tim Li, and X. Wang, 2019: Asymmetry of Atmospheric Responses over the Northwest Pacific to Two-Type El Niños and La Niña. *J. Meteor. Res.*, in press.
308. Yan, Z., X. Ge, M. Pang, and T. Li, 2019: Does Monsoon Gyre always favor Tropical Cyclone Rapid Intensification? *Quarterly Journal of the Royal Meteorological Society*, in press.
307. Li, T., and F. Hu: A Coupled Moisture – Dynamics Mode of the Madden-Julian Oscillation: Convection Interaction with First and Second Baroclinic Modes and Planetary Boundary Layer. *Clim. Dyn.*, IPRC-1388.
306. Zhang, Q.-C., T. Li, J. Liu, 2019: Contrast of Evolution Characteristics of Boreal Summer and Winter Intraseasonal Oscillations over Tropical Indian Ocean. *JMR*, 33(4), 678-694. doi: 10.1007/s13351-019-9015-z
305. Ding, L., T. Li, B. Xiang and M. Peng, 2019: On the Westward Turning of Hurricane Sandy (2012): Effect of Atmospheric Intraseasonal Oscillations. *J. Climate*, 32(20), 6859–6873. DOI: 10.1175/JCLI-D-18-0663.1
304. Cui, J., T. Li, 2019: Changes of MJO propagation characteristics under global warming. *Climate Dynamics*, 1-17. DOI: 10.1007/s00382-019-04864-4
303. Jiang, L.-S., T. Li, 2019: Relative roles of El Niño-induced extratropical and tropical forcing in generating Tropical North Atlantic (TNA) SST anomaly. *Clim. Dyn.*, DOI 10.1007/s00382-019-04748-7
302. Wang, X.-H., T. Li, M. Chen, 2019: Mechanism for Asymmetric Atmospheric Responses in the Western North Pacific to El Niño and La Niña. *Clim. Dyn.*, in press.
301. Li, Zhi, T. Li, and W. Yu, 2019: [Environmental conditions regulating the formation of super tropical cyclone during pre-monsoon transition period over Bay of Bengal](#). *Climate Dynamics*, in press.
300. Zhu, Y., T. Li, M. Zhao, and T. Nasuno, 2019: Interaction between MJO and High Frequency Waves over Maritime Continent in Boreal Winter. *J. Climate*, in press.
299. Li, Z.-B., J. Liu, T. Li, and Y. Sun, 2019: Relative roles of dynamic and thermodynamic processes in causing positive and negative global mean SST trends during the past 100 years. *Dyn. of Atmos. and Oceans*, 86, 18-32, doi:10.1016/j.dynatmoce.2019.02.002
298. He, C., Z. Wang, T.-J. Zhou, and T. Li, 2019: Enhanced latent heating over Tibetan Plateau as a key for the enhanced East Asian summer monsoon circulation under a warming climate. *J. Climate*, 32, 3373-3388.

297. Qi, Y., T. Li, R.-H. Zhang, and Y. Chen, 2019: Interannual relationship between intensity of rainfall intraseasonal oscillation and summer-mean rainfall over Yangtze River Basin in eastern China. *Climate Dynamics*, **53** (5-6), 3089-3108, doi:[10.1007/s00382-019-04680-w](https://doi.org/10.1007/s00382-019-04680-w).
296. Park, J.-H., J.-S. Kug, A.-I. An, and T. Li, 2019: Role of the Western Hemisphere Warm Pool in climate variability over the western North Pacific, *Climate Dynamics*, **53** (5-6), 2743-2755, doi:[10.1007/s00382-019-04652-0](https://doi.org/10.1007/s00382-019-04652-0).
295. Ma, Chen, Yuan Sun, Jia Liu, Tim Li, Z. Zhong, 2019: Impact of Cumulus Parameterization on Model Convergence of Tropical Cyclone Destructive Potential Simulation at Grey-Zone Resolutions: A Numerical Investigation. *Atmosphere*, **10** (2), 74, doi:[10.3390/atmos10020074](https://doi.org/10.3390/atmos10020074).
294. Huang, Y., B. Wu, T. Li, et al., 2019: Interdecadal Indian Ocean Basin Mode Driven by Interdecadal Pacific Oscillation: a season-dependent growth mechanism. *J. Climate*, **32** (7), 2057-2073, doi:[10.1175/JCLI-D-18-0452.1](https://doi.org/10.1175/JCLI-D-18-0452.1).
293. Cai, W., L. Wu, M. Lengaigne, Tim Li, et al., 2019: Pan-tropical climate interactions. *Science*, **363**, eaav4236 (2019). DOI: 10.1126/science.aav4236
292. Park, J.-H., T. Li, S.-W. Yeh, and H. Kim, 2019: Effect of Recent Atlantic Warming in Strengthening Atlantic – Pacific Teleconnection on Interannual Timescale via enhanced connection with the Pacific Meridional Mode. *Climate Dynamics*, **53** (1-2), 371-387, doi:[10.1007/s00382-018-4591-7](https://doi.org/10.1007/s00382-018-4591-7).
291. Park, J.-H., and T. Li, 2019: Interdecadal modulation of El Niño-Tropical North Atlantic teleconnection by the Atlantic Multi-Decadal Oscillation, *Climate Dynamics*, **53** (9-10), 5345-5360, doi:[10.1007/s00382-018-4452-4](https://doi.org/10.1007/s00382-018-4452-4).
290. He, C, and T. Li, 2019: Does global warming amplify interannual climate variability? *Clim Dyn.*, **52**(5), 2667-2684, doi:[10.1007/s00382-018-4286-0](https://doi.org/10.1007/s00382-018-4286-0).
289. Wang, Y.-H., C. He, and T. Li, 2019: Decadal change in the relationship between East Asian spring circulation and ENSO: Is it modulated by Pacific Decadal Oscillation? *International Journal of Climatology*, **39** (1):172-187. doi:[10.1002/joc.5793](https://doi.org/10.1002/joc.5793).
288. Wang, L., T. Li, L. Chen (2018): Modulation of the Madden–Julian oscillation on the energetics of wintertime synoptic-scale disturbances. *Climate Dynamics*, **52** (7-8), 4861-4871, doi:[10.1007/s00382-018-4447-1](https://doi.org/10.1007/s00382-018-4447-1).
287. Chen, L., D.-Z. Sun, L. Wang, T. Li (2018): A further study on the simulation of cloud radiative feedbacks in the ENSO cycle in the tropical Pacific with a focus on the asymmetry, *Asia-Pacific Journal of Atmospheric Sciences*, **55** (3), 303-316, doi:[10.1007/s13143-018-0064-5](https://doi.org/10.1007/s13143-018-0064-5).
286. Chen, L., L. Wang, T. Li, J. Liu (2018): Drivers of reduced ENSO variability in mid-Holocene in a coupled model, *Climate Dynamics*, in press, doi:[10.1007/s00382-018-4496-5](https://doi.org/10.1007/s00382-018-4496-5)
285. Zhao, Chen and T. Li, 2018: Basin dependence of the MJO modulating tropical cyclone genesis. *Climate Dynamics*, **52** (9-10), 6081-6096, doi:[10.1007/s00382-018-4502-y](https://doi.org/10.1007/s00382-018-4502-y).
284. Timmermann, A., An, S.-I., Kug, J.-S., Jin, F.-F., Cai, W., Capotondi, A., et al. (2018). El Niño–Southern Oscillation complexity. *Nature*, **559**(7715), 535–545. <https://doi.org/10.1038/s41586-018-0252-6>

283. Liu, X.W., W. Li, T. Wu, T. Li, W. Gu, Z. Bo, B. Yang, L. Zhang, and W. Jie, 2018: Validity of parameter optimization in improving MJO simulation and prediction using the sub-seasonal to seasonal forecast model of Beijing Climate Center. *Climate Dynamics*, in press.
282. Sun, Y., T. Li, Z. Zhong, L. Yi, X. Chen, Y. Ha, J. Zhu, Y. Shen, Z. Xu, and Y. Hu, 2018: A Recent Reversal in the Poleward Shift of Western North Pacific Tropical Cyclones, *Geop. Res. Lett.*, in press. DOI: 10.1029/2018GL079686
281. Chen, L., L. Wang, T. Li, and D.-Z. Sun, 2018: Contrasting cloud radiative feedbacks during warm pool and cold tongue El Niños. *Scientific Online Letters on the Atmosphere*, **14**, 126-131, doi:[10.2151/sola.2018-022](https://doi.org/10.2151/sola.2018-022).
280. Yu, Huaying, Tim Li, and Peng Liu, 2019: Influence of ENSO on frequency of wintertime fog days in Eastern China. *Climate Dynamics*, **53** (9), 5099-5113. DOI: 10.1007/s00382-018-4437-3
279. Hu, J.-G., T. Li, and H. Xu, 2018: Relationship between the North Pacific Gyre Oscillation and the onset of stratospheric final warming in the northern hemisphere. *Climate Dynamics*, **51**(7), 3061-3075, DOI: 10.1007/s00382-017-4065-3.
278. Bi, M., X. Ge, and T. Li, 2018: Dependence of Tropical Cyclone Intensification on the Latitude under Vertical Shear. *J. Meteor. Res.*, **32**, 113-123.
277. Huang, Y., T. Li, and B. Wu, 2018: Why SST Trend in North Pacific Is Peculiarly Negative against Warming Trend Elsewhere since 1958, *Clim. Dyn.*, **52**(7), 4447-4461. DOI 10.1007/s00382-018-4389-7
276. Li, Y., T. Li, C. Fu, and P.-C. Hsu, 2018: Near-equatorial tropical cyclone formation in western North Pacific: Peak season and controlling parameter. *Clim. Dyn.*, **52** (5-6), 2765-2773, doi:[10.1007/s00382-018-4291-3](https://doi.org/10.1007/s00382-018-4291-3).
275. Diao, Y.-F., T. Li, and P.-C. Hsu, 2018: Influence of the Boreal Summer Intraseasonal Oscillation on Extreme Temperature Events in the Northern Hemisphere. *Journal of Meteorological Research*, **32** (4), 534-547, doi:[10.1007/s13351-018-8031-8](https://doi.org/10.1007/s13351-018-8031-8).
274. Ma, H.-Y., T. Li, Z. Jiang, and P. Gu, 2018: Unexpected large-scale atmospheric response to urbanization in East China. *Climate Dynamics*, **52**(7), 4293-4303, DOI : 10.1007/s00382-018-4380-3
273. Ma, Chen, Melinda Peng, Tim Li, Yuan Sun, Jia Liu, Mingyu Bi, 2018: Effects of background state on tropical cyclone size over the Western North Pacific and Northern Atlantic, *Climate Dynamics*, **52** (7-8), 4143-4156, doi:10.1007/s00382-018-4372-3.
272. Gao, Y., P.-C. Hsu, and T. Li, 2018: Effects of high-frequency activity on latent heat flux of MJO. *Climate Dynamics*, DOI: 10.1007/s00382-018-4208-1.
271. Zhu, Z., T. Li, and H. Togawa, 2018: Abnormal West China Autumn Rainfall in 2017 and Persistence of the Pacific–Japan Pattern in August 2017 [in “State of the Climate in 2017”]. *Bull. Amer. Meteor. Soc.*, **99**(8), S243-244, doi:10.1175/2018BAMSStateoftheClimate.1.
270. Li, T., Z. Zhu, P. Zhang, T. C. Lee, Y. Mochizuki, S.-E. Lee, L. Oyunjargal, and B. Timbal, 2018: Regional Climates: Asia [in “State of the Climate in 2017”]. *Bull. Amer. Meteor. Soc.*, **99**(8), S232-233, doi:10.1175/2018BAMSStateoftheClimate.1.
269. Li Chunhui, Tim Li, Zheng Bin, 2018: Characteristic interdecadal change of quasi-biweekly and intraseasonal oscillations of summer convection over the South China Sea and the Western Pacific. *Dynamics of Atmospheres and Oceans*, in press. DOI: 10.1016/j.dynatmoce.2018.05.006.

268. Gao, S., T. Li, et al., 2018: Evaluation of warm-core structure in reanalysis and satellite datasets using HS3 dropsonde observations: A case study of Hurricane Edouard (2014). *JGR-Atmosphere*, in press. doi: [10.1029/2017JD028263](https://doi.org/10.1029/2017JD028263)
267. Park, Jae-Heung, Jong-Seong Kug, Tim Li, and Swadhin Behera, 2018: Predicting El Niño Beyond 1-year Lead: Effect of Western Hemisphere Warm Pool. *Scientific Report*, **8**, 14957.
266. Wang, Lu, T. Li, T. Nasuno, 2018: Impact of Rossby and Kelvin Wave Components on MJO Eastward Propagation. *Journal of Climate*, **31** (17), 6913-6931, doi:[10.1175/JCLI-D-17-0749.1](https://doi.org/10.1175/JCLI-D-17-0749.1).
265. Jiang, X.-A., Baoqiang Xiang; Ming Zhao; Tim Li; Shian-Jiann Lin; Zhuo Wang; Jan-Huey Chen, 2018: Intraseasonal Tropical Cyclogenesis Prediction in a Global Coupled Model System. *J. Climate*, **31**, 6209-6227, doi:[10.1175/JCLI-D-17-0454.1](https://doi.org/10.1175/JCLI-D-17-0454.1).
264. Jiang, L.-S., and T. Li, 2018: Why rainfall response to El Niño over Maritime Continent is weaker and non-uniform in boreal winter than in boreal summer. *Climate Dynamics*, **51**(4), 1465-1483, DOI: [10.1007/s00382-017-3965-6](https://doi.org/10.1007/s00382-017-3965-6)
263. Ge, X., Z. Yan, M. Peng, M. Bi, and T. Li, 2018: [Sensitivity of Tropical Cyclone Track to the Vertical Structure of a Nearby Monsoon Gyre](https://doi.org/10.1175/JAS-D-17-0201.1). *Journal of the Atmospheric Sciences*, **75**, 2017-2028. DOI: [10.1175/JAS-D-17-0201.1](https://doi.org/10.1175/JAS-D-17-0201.1)
262. Li, T., L. Wang, M. Peng, B. Wang, C.-D. Zhang, W. Lau, and H.-C. Kuo, 2018: A Paper on the Tropical Intraseasonal Oscillation Published in 1963 in a Chinese Journal. *Bull. Amer. Meteor. Soc.*, 1765-1779. DOI:[10.1175/BAMS-D-17-0216.1](https://doi.org/10.1175/BAMS-D-17-0216.1)
261. Wang, B., Sun-Seon Lee, Duane E. Waliser, Chidong Zhang, Adam Sobel, Eric Maloney, Tim Li, Xianan Jiang, and Kyung-Ja Ha, 2018: Dynamics-oriented diagnostics for the Madden-Julian Oscillation. *J. Climate*, **31** (8), 3117-3135, doi:[10.1175/JCLI-D-17-0332.1](https://doi.org/10.1175/JCLI-D-17-0332.1).
260. Liu, Q., T. Li, and W.-C. Zhou, 2018: Impact of 10-60-Day Low-Frequency Steering Flows on Straight Northward-Moving Typhoon Tracks over the Western North Pacific. *J. Meteor. Res.*, **32** (3), 394-409, doi:[10.1007/s13351-018-7035-8](https://doi.org/10.1007/s13351-018-7035-8).
259. Hua, L., L. Chen, X. Rong, J. Su, L. Wang, Y. Yu, and T. Li (2017): Impact of atmospheric model resolution on simulation of ENSO feedback processes: a coupled model study. *Climate Dynamics*, Doi: [10.1007/s00382-017-4066-2](https://doi.org/10.1007/s00382-017-4066-2).
258. Tian, Z.-P., T. Li, and Dabang Jiang, 2017: Strengthening and westward shift of the tropical Pacific Walker circulation during the mid-Holocene: PMIP simulation results. *J. Climate*, **31** (5), 2283-2298, doi:[10.1175/JCLI-D-16-0744.1](https://doi.org/10.1175/JCLI-D-16-0744.1).
257. Deng, L.-Y., T. Li, M. Bi, J. Liu, and M. Peng, 2018: Dependence of Tropical Cyclone Development on Coriolis Parameter: A Theoretical Model. *Dyn. Atmos. Ocn.*, **81**, 51-62. doi:[10.1016/j.dynatmoce.2017.12.001](https://doi.org/10.1016/j.dynatmoce.2017.12.001).
256. Zuo, H., T. Li, J. Liu, and M. Peng, 2018: Physical processes controlling earlier and later onset of a typhoon season in the western North Pacific. *Climate Dynamics*, **51**(7), 2807-2823, DOI : [10.1007/s00382-017-4046-6](https://doi.org/10.1007/s00382-017-4046-6).
255. Li, T., B. Wang, B. Wu, T. Zhou, C.-P. Chang, and R. Zhang, 2017: Theories on Formation of an Anomalous Anticyclone in Western North Pacific during El Niño: A review. *Journal of Meteorological Research*, **31**, 987-1006. doi:[10.1007/s13351-017-7147-6](https://doi.org/10.1007/s13351-017-7147-6).
254. Chen, M., and T. Li, 2018: Why 1986 El Niño and 2005 La Niña evolved different from a typical El Niño and La Niña. *Clim. Dyn.*, **51** (11-12), 4309-4327. DOI: [10.1007/s00382-017-3852-1](https://doi.org/10.1007/s00382-017-3852-1).

253. Hu, F., T. Li, J. Liu, M. Bi, and M. Peng, 2018: Decrease of Tropical Cyclone Genesis Frequency in the Western North Pacific since 1960s. *Dyn. Atmos. Ocn.*, 81, 42-50. doi:[10.1016/j.dynatmoce.2017.11.003](https://doi.org/10.1016/j.dynatmoce.2017.11.003).
252. Zhu, Zhiwei, and T. Li, 2018: Amplified continental United States summer rainfall variability induced by East Asian monsoon interdecadal change. *Clim. Dyn.*, 50 (9-10), 3523-3536, doi:[10.1007/s00382-017-3821-8](https://doi.org/10.1007/s00382-017-3821-8).
251. Zhu, Z., and T. Li, 2018: Extended-range forecasting of Chinese summer surface air temperature and heat waves. *Clim. Dyn.*, 50 (5-6), 2007-2021, doi:[10.1007/s00382-017-3733-7](https://doi.org/10.1007/s00382-017-3733-7).
250. Wu, Y.-K., L. Chen, C.-C. Hong, T. Li, C.-T. Chen, and L. Wang, 2018: Role of the meridional dipole of SSTA and associated cross-equatorial flow in the tropical eastern Pacific in terminating the 2014 El Niño development. *Clim. Dyn.*, 50 (5-6), 1625-1638, doi:[10.1007/s00382-017-3710-1](https://doi.org/10.1007/s00382-017-3710-1).
249. Wang Hui, Fei Liu, Bin Wang, Tim Li, 2017: Effect of Intraseasonal Oscillation on South China Sea Summer Monsoon Onset. *Clim. Dyn.*, DOI: 10.1007/s00382-017-4027-9.
248. Hu, F. T. Li, J. Liu, M. Peng, 2017: Cause of Interdecadal Change of Tropical Cyclone Controlling Parameter in the Western North Pacific. *Climate Dynamics*, 51, 719-732, DOI: 10.1007/s00382-017-3951-z
247. Wang, L., Tim Li, Lin Chen, Swadhin K. Behera, and Tomoe Nasuno, 2018, Modulation of the MJO intensity over the equatorial western Pacific by two types of El Niño, *Climate Dynamics*, 51 (1-2), 687-700, doi:[10.1007/s00382-017-3949-6](https://doi.org/10.1007/s00382-017-3949-6).
246. Li, C., A. Lin, and T. Li, 2017: Effect of air-sea coupling on the eastward-propagating boreal winter ISO over the tropical Indian Ocean. *Atmospheric and Oceanic Science Lett.* 10, 51-57.
245. Li, T. and P.-C. Hsu, 2017: Fundamentals of Tropical Climate Dynamics, Text Book, Springer, ISBN 978-3-319-59595-5.
244. Xu, Z.-Q., T. Li, and Ke Fan, 2017: The weakened intensity of atmospheric quasi-biweekly oscillation over the western North Pacific during late summer around the late 1990s. *J. Climate*, 30(24): 9807-9826, doi: 10.1175/JCLI-D-16-0759.1.
243. Sun Y., Z. Zhong, T. Li, et al., 2017: Impact of Ocean Warming on Tropical Cyclone Track over the Western North Pacific: A Numerical Investigation Based on Two Case Studies. *JGR-Atmosphere*, 122 (16), 8617-8630, doi:[10.1002/2017JD026959](https://doi.org/10.1002/2017JD026959).
242. Wu, Bo, T. Zhou, T. Li, 2017: Atmospheric dynamic and thermodynamic processes driving the western North Pacific anomalous anticyclone during El Niño. Part I: Maintenance mechanisms. *J. Climate*, 30, 9621-9635.
241. Wu, Bo, T. Zhou, T. Li, 2017: Atmospheric dynamic and thermodynamic processes driving the western North Pacific anomalous anticyclone during El Niño. Part II: Formation processes. *J. Climate*, 30, 9637-9650.
240. Liu, Fei, B. Wang, T. Li, et al., 2017: Divergent El Niño responses to volcanic eruptions at different latitudes over the past millennium, *Clim. Dyn.*, DOI: 10.1007/s00382-017-3846-z
239. Tao, L., T. Li, et al., 2017: Causes of Interannual and Interdecadal Variations of the Summertime Pacific-Japan Pattern over East Asia. *J. Climate*, 30 (22), 8845-8864, doi:[10.1175/JCLI-D-15-0817.1](https://doi.org/10.1175/JCLI-D-15-0817.1).
238. Zhao, C., Tim Li, S. Yao, Tomoe Nasuno, Swadhin K. Behera, 2017: Intraseasonal Variability of Air Temperature over East Asia in Boreal Summer. *Frontiers in Earth Science*, 5:63, DOI: 10.3389/feart.2017.00063.

237. Sun, Y., Z. Zhong, T. Li, L. Yi, Y. Hu, H. Wan, H.-S. Chen, Q.-F. Liao, C. Ma, and Q.-H. Li, 2017: Impact of Ocean Warming on Tropical Cyclone Size and Its Destructiveness. *Scientific Reports*, **7** (8154), doi:[10.1038/s41598-017-08533-6](https://doi.org/10.1038/s41598-017-08533-6).
236. Yang, S., and T. Li, 2017: Causes of intraseasonal diabatic heating variability over and near the Tibetan Plateau in boreal summer. *Clim. Dyn.*, **49** (7-8), 2385-2406, doi:10.1007/s00382-016-3463-2. IPRC-1226.
235. Zhang, L., and T. Li, 2017: Physical processes responsible for the interannual variability of sea ice concentration in Arctic in boreal autumn since 1979. *J. Meteor. Res.*, **31**(3): 468-475.
234. Tian, Z.-P., Tim Li, Dabang Jiang, Lin Chen, 2017: Cause of ENSO weakening during the mid-Holocene. *Journal of Climate*, **30**, 7049-7070. DOI: 10.1175/JCLI-D-16-0899.1
233. Gao, Si, S. Zai, B. Chen, and T. Li, 2017: Water Budget and Intensity Change of Tropical Cyclones over the Western North Pacific. *Mon. Wea. Rev.*, in press.
232. Chen, L., T. Li, B. Wang, and L. Wang, 2017: Formation Mechanism for 2015/16 Super El Niño. *Scientific Reports*, **7** (2975), doi:[10.1038/s41598-017-02926-3](https://doi.org/10.1038/s41598-017-02926-3).
231. Wang, L., T. Li, E. Maloney, and B. Wang, 2017: Fundamental Causes of Propagating and Non-propagating MJOs in MJOTF/GASS models. *J. Climate*, **30** (10), 3743-3769.
230. Yang, S., T. Li, J. Hu, and X. Shen, 2017: Decadal variation of the impact of La Niña on the winter Arctic stratosphere. *Advances in Atmospheric Sciences*, **34** (5), 679-684, doi:[10.1007/s00376-016-6184-x](https://doi.org/10.1007/s00376-016-6184-x).
229. Yang, S.-Y., and T. Li, 2017: The Role of Intraseasonal Variability at Mid-High Latitudes in Regulating Pacific Blockings during Boreal Winter. *International Journal of Climatology*, **37** (S1), 1248-1256, doi:[10.1002/joc.5080](https://doi.org/10.1002/joc.5080).
228. Chen, L., T. Li, Y.-Q. Yu, and S. K. Behera, 2017: A possible explanation for the divergent projection of ENSO amplitude change under global warming. *Climate Dynamics*, **49** (11-12), 3799-3811, doi:[10.1007/s00382-017-3544-x](https://doi.org/10.1007/s00382-017-3544-x).
227. Zhu, Z.-W., and T. Li, 2017: Statistical extended-range forecast of winter surface air temperature and extremely cold days over China. *Q. J. Roy. Meteor. Soc.*, **143** (704), 1528-1538, doi:[10.1002/qj.3023](https://doi.org/10.1002/qj.3023).
226. Zhu, Z.-W., and T. Li, 2017: The record-breaking hot summer in 2015 over Hawaii and its physical causes. *J. Climate*, **30** (11), 4253-4266. doi: 10.1175/JCLI-D-16-0438.1.
225. Gao, S., T. Li, and Z. Chen, 2017: On the asymmetric distribution of shear-relative typhoon rainfall and possible mechanisms, *Meteorology and Atmospheric Physics*, in press.
224. Gao, S., T. Li, et al., 2017: AIRS-observed warm core structures of tropical cyclones over the western North Pacific, *Dynamics of Atmospheres and Oceans*, in press.
223. Zhu, Z., T. Li, L. Bai, and J. Gao, 2017: Extended-range forecast for the temporal distribution of clustering tropical cyclogenesis over the western North Pacific *Theoretical and Applied Climatology*, in press. doi: 10.1007/s00704-016-1925-4.
222. Wang Lu, and T. Li, 2017: Convectively coupled Kelvin waves in CMIP5 coupled climate models. *Clim. Dyn.*, **48** (3), 767-781, doi: 10.1007/s00382-016-3109-4
221. Wang, L., and T. Li, 2017: Roles of Convective Heating and Boundary-layer Moisture Asymmetry in Slowing Down the Convectively Coupled Kelvin Waves. *Clim. Dyn.*, **48**(7), 2453-2469. DOI: 10.1007/s00382-016-3215-3.

220. Zhang L., T. Li, and M.-M. Lu, 2017: Trends of Surface Wind Energy near Taiwan in Winter since 1871, *Terrestrial, Atmospheric and Oceanic Sciences*, 28, 295-302.
219. Zhang, Lei, and T. Li, 2017: Relative Roles of Differential SST Warming, Uniform SST Warming and Land Surface Warming in Determining the Walker Circulation Changes under Global Warming, *Clim. Dyn.*, **48** (3), 987-997, doi:[10.1007/s00382-016-3123-6](https://doi.org/10.1007/s00382-016-3123-6).
218. Zhu, L.-L., and T. Li, 2016: A Special MJO Event with a Double Kelvin Wave Structure. *J. Meteor. Res.*, **31** (2), 295-308.
217. Feng, J. and T. Li, 2016: Initiation mechanisms for a successive MJO event and a primary MJO event during boreal winter of 2000-2001, *Journal of Tropical Meteorology*, **22**, 479-496.
216. Liu, X., T. Wu, S. Yang, T. Li, et al., 2016: MJO prediction using the sub-seasonal to seasonal forecast model of Beijing Climate Center, *Clim. Dyn.*, in press.
215. Zhu, Z., and T. Li, 2016: A new paradigm for the continental United States summer rainfall variability: Asia-North America teleconnection. *J. Climate*, **29** (20), 7313-7327, doi:[10.1175/JCLI-D-16-0137.1](https://doi.org/10.1175/JCLI-D-16-0137.1).
214. Liu, F., T. Li, L. Deng, and Y. Zhang, 2016: Modulation of boreal summer intraseasonal oscillations over the western North Pacific by ENSO. *J. Climate*, DOI:10.1175/JCLI-D-15-0831.1.
213. Deng, L., and T. Li, 2016: Relative Roles of Background Moisture and Vertical Shear in Regulating Inter-annual Variability of Boreal Summer Intra-seasonal Oscillations. *J. Climate*, **29** (19), 7009-7025, doi:[10.1175/JCLI-D-15-0498.1](https://doi.org/10.1175/JCLI-D-15-0498.1).
212. Zhang, L., and T. Li, 2016: Relative Roles of Anthropogenic Aerosols and Greenhouse Gases in Land and Oceanic Monsoon Changes during Past 156 years in CMIP5 Models. *GRL*, **43** (10), 5295-5301, doi:[10.1002/2016GL069282](https://doi.org/10.1002/2016GL069282)
211. Zhu, Z.-W., and T. Li, 2016: Empirical prediction of the onset dates of South China Sea summer monsoon. *Climate Dynamics*, 48, 1633-1645.
210. Yang, S., T. Li, 2016: Zonal shift of the South Asian High on sub-seasonal timescale and its relation to the summer rainfall anomaly in China. *Q.J. Roy. Meteor. Soc.*, **142** (699), 2324-2335, doi:[10.1002/qj.2826](https://doi.org/10.1002/qj.2826).
209. Zuo H., T. Li, J. Liu, and M. Peng, 2016: What Controls Early or Late Onset of Tropical North Atlantic Hurricane Season? *J. Meteor. Res.*, **30** (3), 298-311, doi:[10.1007/s13351-016-5119-x](https://doi.org/10.1007/s13351-016-5119-x).
208. Chen, L., T. Li, Swadhin K. Behera, Takeshi Doi, 2016: Distinctive precursor air-sea signals between regular and super El Niños, *Adv. Atmos. Sci.*, 33, 996-1004.
207. Li, T., B. Wang, and Lu Wang, 2016: Comments on "Combination Mode Dynamics of the Anomalous Northwest Pacific Anticyclone", *J. Climate*, **29** (12), 4685-4693, doi:[10.1175/JCLI-D-15-0385.1](https://doi.org/10.1175/JCLI-D-15-0385.1).
206. Deng, L., T. Li, J. Liu, and M. Peng, 2016: Factors Controlling the Interannual Variations of MJO Intensity, *J. Meteor. Res.*, **30** (3), 328-340, doi:[10.1007/s13351-016-5113-3](https://doi.org/10.1007/s13351-016-5113-3).
205. Zhu, Z., T. Li, 2017: The statistical extended-range (10-30-day) forecast of summer rainfall anomalies over the entire China. *Clim. Dyn.*, 48(1), 209-224. doi: 10.1007/s00382-016-3070-2.
204. Wu, Bo, T. Zhou, and T. Li, 2016: Impacts of the Pacific-Japan and circumglobal teleconnection patterns on interdecadal variability of the East Asian summer monsoon. *J. Climate*, in press.

203. Hong, C.-C., Y.-K. Wu, T. Li, 2016: Influence of Climate Regime Shift on the Interdecadal Change in Tropical Cyclone Activity over the Pacific Basin during the Middle to Late 1990s. *Clim. Dyn.*, **47** (17), 2587-2600, doi:[10.1007/s00382-016-2986-x](https://doi.org/10.1007/s00382-016-2986-x).
202. Yang, S.-Y., and T. Li, 2016: Intraseasonal variability of air temperature over the mid-high latitude Eurasia in Boreal Winter, *Clim. Dyn.*, **47**, 2155-2175..
201. Chen, M.-C., T. Li, X.-Y. Shen, and B. Wu, 2016: Relative Roles of Dynamic and Thermodynamic Processes in Causing Evolution Asymmetry between El Niño and La Niña, *J. Climate*, **29**, 2201-2220.
200. Cao, Xi, G. Chen, T. Li, 2016: Simulations of Tropical Cyclogenesis Associated with Different Monsoon Trough Patterns over the Western North Pacific. *Meteor. Atmos. Phys.*, in press.
199. Yu, J.-H., C. Chen, T. Li, X. Zhao, and H. Xue, 2016: Contribution of major SSTA modes to the climate variability of tropical cyclone genesis frequency over the western North Pacific. *Q. J. Roy. Meteor. Soc.*, **142**(695), 1171-1181.
198. Li, Z., T. Li, W.-D. Yu, K.-P. Li, and Y.-L. Liu, 2016: What Controls the Interannual Variation of Tropical Cyclone Genesis Frequency over Bay of Bengal in the Post-Monsoon Peak Season? *Atmospheric Science Lett.*, **17** (2), 148-154.
197. Du, Y., T. Li, Z. Xie, and Z. Zhu, 2016: Interannual Variability of the Asian Subtropical Westerly Jet in Boreal Summer and Associated with Circulation and SST Anomalies. *Clim. Dyn.*, **46** (7), 2673-2688.
196. Yu, J.-H., T. Li, Z. Tan, and Z. Zhu, 2016: Effects of tropical North Atlantic SST on tropical cyclone genesis in the western North Pacific. *Climate Dynamics*, **46**(3), 865-877.
195. Li, C., T. Li, A. Lin, D. Gu, and B. Zheng, 2015: Relationship between summer rainfall anomalies and sub-seasonal oscillations in ChangJiang Valley, *Dynamics of Atmospheres and Oceans*, in press.
194. Sun, Y., Z. Zhong, L. Yi, T. Li, M. Chen, H. Wan, Y. Wang, and K. Zhong, 2015: Dependence of the Relationship between the Tropical Cyclone Track and Western Pacific Subtropical High Intensity on Initial Storm Size: A Numerical Investigation, *J. Geophys. Res.-Atmos.*, **120** (22), 11451-11467.
193. Feng, J., Tim Li, and W. Zhu, 2015: Propagating and Non-Propagating MJO Events over Maritime Continent, *J. Climate*, **28** (21), 8430-8449.
192. Qi, Y., R. Zhang, and T. Li, 2015: Structure and evolution characteristics of atmospheric intraseasonal oscillation and its impact on summer rainfall over Yangze River in 1998, *Chinese Journal of Atmospheric Sciences*, in press.
191. Tseng, K.-C., C.-H. Sui, and T. Li, 2015: Moistening Processes for Madden-Julian Oscillations during DYNAMO/CINDY. *J. Climate*, **28**, 3041-3057.
190. Yang, Y., T. Li, W. Yu, and K. Li, 2015: What Controls Seasonal Variations of the Diurnal Cycle of Sea Surface Temperature in the Eastern Tropical Indian Ocean? *J. Climate*, **28** (21), 8466-8485.
189. Ge, X., Y. Ma, S.W. Zhou, and T. Li, 2015: Sensitivity of tropical cyclone warm-core on the solar radiation. *Adv. Atmos. Sci.*, **32**(8), doi: 10.1007/s00376-014-4206-0, in press.
188. Xiang, B., M. Zhao, X. Jiang, S.-J. Lin, T. Li, X. Fu, and G. Vecchi, 2015: 3-4 week MJO prediction skill in a GFDL Coupled Model, *J. Climate*, **28**, 5351-5364.

187. Li, T., L. Zhang, and H. Murakami, 2015: Strengthening of the Walker Circulation under Global Warming in an Aqua-Planet General Circulation Model Simulation, *Adv. Atmos. Sci.*, **32** (11), 1473-1480.
186. Bi, M., T. Li, M. Peng, and X.Y. Shen, 2015: Interactions between Typhoon Megi (2010) and a Low-frequency Monsoon Gyre. *J. Atmos. Sci.*, **72** (7), 2682-2702.
185. Mei, S., T. Li, and W. Chen, 2015: Three Types of MJO Initiation Processes over the Western Equatorial Indian Ocean, *Advances in Atmospheric Sciences*, **32** (9), 1208-1216.
184. Bi, M., T. Li, X. Shen, and M. Peng, 2015: To What Extent the Presence of Real-Strength Tropical Cyclones Influences the Estimation of Atmospheric Intraseasonal Oscillation Intensity?, *Atmospheric Science Letters*, **16**, 438-444.
183. Wang, L., T. Li, and T. Zhou, 2015: Effect of high-frequency wind on intraseasonal SST variabilities over the mid-latitude North Pacific region during boreal summer, *Climate Dynamics*, **45**, 2607-2617.
182. Chen L. T. Li, Y. Yu, 2015: Causes of Strengthening and Weakening of ENSO Amplitude under Global Warming in Four CMIP5 Models, *J. Climate*, **28** (8), 3250-3274.
181. Zhang, W., B. Fu, M. Peng, and T. Li, 2015: Discriminating Developing versus Non-developing Tropical Disturbances in the Western North Pacific through Decision Tree Analysis, *Wea. Forecasting*, **30**, 446-454.
180. Li, T., C. Zhao, P.-C. Hsu, and T. Nasuno, 2015: MJO Initiation Processes over the Tropical Indian Ocean during DYNAMO/CINDY2011. *J. Climate*, **28**, 2121-2135.
179. Tao, L., Y. Yang, T. Li, 2015: Trend analysis of tropical intraseasonal oscillations in the summer and winter during 1982-2008, *International Journal of Climatology*, **35**, 3969-3978.
178. Yuan, J., T. Li, and D. Wang, 2015: Precursor synoptic-scale disturbances associated with tropical cyclogenesis in the South China Sea during 2000-2011, *International Journal of Climatology*, **35**, 3454-3470.
177. Xiang, B., S.-J. Lin. M. Zhao. S. Zhang. G. Vecchi, T. Li, X. Jiang, L. Harris. J.-H. Chen, 2015: Beyond weather time scale prediction for Hurricane Sandy and Super Typhoon Haiyan in a global climate model, *Monthly Weather Review*, **143**, 524-535.
176. Nasuno, T., T. Li, and K. Kikuchi, 2015: Moistening processes before the convective initiation of Madden-Julian Oscillation events during the CINDY2011/DYNAMO period. *Mon. Wea. Rev.*, **143** (2), 622-643.
175. Zhu, Z.-W., T. Li, P.-C. Hsu, and J.-H. He, 2015: A Spatial-Temporal Projection Model for Extended-Range Forecast in the Tropics, *Clim. Dyn.*, **45**, 1085-1098.
174. Chung, P.-H., and Tim Li, 2015: Characteristics of tropical cyclone genesis in the western North Pacific during the developing and decaying phases of two types of El Niño, *J. Trop. Meteorol.*, **21**(1), 14-22.
173. Zhang, Lei, and T. Li, 2014: A Simple Analytical Model for Understanding the Formation of Sea Surface Temperature Patterns under Global Warming. *J. Climate*, **27**, 8413-8421.
172. Hsu, P.-C., T. Li, L. You, J. Gao, and H. Ren, 2014: A spatial-temporal projection model for 10-30 day rainfall forecast in South China. *Clim. Dyn.*, **44**, 1227-1244.

171. Ge, X., Y. Ma, S.W. Zhou, and T. Li, 2014: The impacts of diurnal cycle of radiation on tropical cyclone intensification and structure. *Adv. Atmos. Sci.*, 31(6), 1377–1385. DOI: 10.1007/s00376-014-4060-0
170. Peng, M. S., J. Peng, T. Li, and E. A. Hendricks, 2014: Effect of Baroclinicity on Vortex Axisymmetrization, Part 1: Barotropic Basic Vortex. *Advances In Atmospheric Science*, 31, 1256-1266.
169. Peng, J., M. S. Peng, T. Li, and E. A. Hendricks, 2014: Effect of Baroclinicity on Vortex Axisymmetrization, Part 2: Baroclinic Basic Vortex. *Advances In Atmospheric Sciences*, 31, 1267-1278.
168. Su, J.-Z., B.-Q. Xiang, B. Wang, and T. Li, 2014: Abrupt termination of the 2012 Pacific warming and its implication on ENSO prediction. *GRL*, 41, doi:10.1002/2014GL062380.
167. Cao, X., T. Li, M. Peng, W. Chen, and G. Chen, 2014: Effects of monsoon trough intraseasonal oscillation on tropical cyclogenesis in the western North Pacific. *J. Atmos. Sci.*, 71, 4639-4660.
166. Hsu, P.-C., T. Li, and H. Murakami, 2014: Moisture asymmetry and MJO eastward propagation in an aqua planet general circulation model. *J. Climate*, 27, 8747-8760.
165. Xu, Y., T. Li, and M. Peng, 2014: Roles of Synoptic-scale Wave Train, Intraseasonal Oscillation, and High-frequency Eddies in Genesis of Typhoon Manyi (2001). *J. Atmos. Sci.*, 71, 3706–3722.
164. Cao, X., T. Li, M. Peng, W. Chen, and G. Chen, 2014: Effects of the monsoon trough interannual variation on tropical cyclogenesis over the western North Pacific. *GRL*, 41 (12), 4332-4339.
163. Li, C., T. Li, A. Lin, D. Gu, and B. Zheng, 2014: Relationship between summer rainfall anomalies and sub-seasonal oscillations in South China. *Climate Dynamics*, 44, 423-439.
162. Su, J., T. Li, and R. Zhang, 2014: The initiation and developing mechanisms of central Pacific El Ninos. *J. Climate*, 27, 4473-4485.
161. Murakami, H., Tim Li, and Pang-chi Hsu, 2014: Contributing factors to the recent high level of Accumulated Cyclone Energy (ACE) and Power Dissipation Index (PDI) in the North Atlantic. *J. Climate*, 27 (8), 3023-3034.
160. Li, T., 2014: Recent Advance in Understanding the Dynamics of the Madden-Julian Oscillation, *J. Meteor. Res.*, 28, 1-33.
159. Feng, L., T. Li, and W. Yu, 2014: Cause of Severe Droughts in Southwest China during 1951-2010. *Climate Dynamics*, 43, 2033-2042.
158. Murakami, H., P.-C. Hsu, O. Arakawa, and T. Li, 2014: Influence of model biases on projected future changes in tropical cyclone frequency of occurrence. *J. Climate*, 27, 2159-2181.
157. Li, Jiangnan, and T. Li, 2014: Entropy Evolution Characteristics Associated with the Development of the South Asian Monsoon, *J. Atmos. Sci.*, 71, 865-880.
156. Liu, L., S.-P. Xie, X.-T. Zheng, T. Li, Y. Du, G. Huang, and W.-D. Yu, 2014: Indian Ocean variability in the CMIP5 multi-model ensemble: The Zonal Dipole mode. *Climate Dynamics*, doi:10.1007/s00382-013-2000-9.
155. Gao, L.-B., Weidong Yu, Tim Li, T. R. Adi, S. Budi, and M. Salvienty, 2014: Rainfall asymmetry in the southeast Indian Ocean between positive and negative IODs and its local impact, *Atmos. Sci. Lett.*, 15, 127–133.

154. Zhu, Z.-W., Tim Li, and J.-H. He, 2014: Out of Phase Relationship between Boreal Spring and Summer Decadal Rainfall Changes in South China, *J. Climate*, **27**, 1083-1099.
153. Li, C.-Y., W. Zhou, and T. Li, 2014: Influences of the Pacific-Japan teleconnection pattern on synoptic-scale variability in the western North Pacific. *J. Climate*, **140**-154.
152. Wu, Liang, Z. Wen, T. Li, and R. Huang, 2014: ENSO-phase dependent TD and MRG wave activity in the western North Pacific. *Climate Dynamics*, **42**, 1217-1227.
151. Wei, W., R. Zhang, M. Wen, X. Rong, and T. Li, 2014: Impact of Indian Summer Monsoon on the South Asian High and its Influence on Summer Rainfall over China. *Clim. Dyn.*, **43** (5-6), 1257-1269.
150. Hong, C.-C., T. Li, and Y.-K. Wu, and C.-C. Chang, 2014: The Climate Regime Shift over the Pacific during 1996/1997, *Clim. Dyn.*, **43**, 435-446.
149. Yao, S.-X., Q. Huang, T. Li, and C. Zhang, 2014: The intraseasonal oscillations of precipitation and circulation from January to March in 2010 in East Asia. *Meteor. Atmos. Phys.*, **123**, 67-79, DOI: 10.1007/s00703-013-0287-z.
148. Ge, X., T. Li, and M. Peng, 2013: Effects of vertical shears and mid-level dry air on tropical cyclone developments. *Journal of the Atmospheric Sciences*, **70**(12), 3859-3875.
147. Hendricks, E.A., M. S. Peng, and T. Li, 2013: Evaluation of multiple dynamic initialization schemes for tropical cyclone prediction. *Mon. Wea. Rev.*, **141**, 4028-4048.
146. Murakami, H., B. Wang, T. Li, and A. Kitoh, 2013: Projected future increase in tropical cyclones near Hawaii. *Nature Climate Change*, **3**, 749-754, doi:10.1038/nclimate1890.
145. Xu, Y.-M., T. Li, and M. Peng, 2013: Tropical Cyclogenesis in the Western North Pacific as Revealed by the 2008-2009 YOTC data. *Wea. Forecasting*, **28**, 1038-1056.
144. Murakami, H., T. Li, and M. Peng, 2013: Changes to Environmental Parameters that Control Tropical Cyclone Genesis under Global Warming. *GRL*, **40** (10), 2265-2270, doi:10.1002/grl.50393.
143. Hsu, P.-C., T. Li, H. Murakami, and A. Kitoh, 2013: Future Change of the Global Monsoon Revealed from 19 CMIP5 Models, *Journal of Geophysical Research – Atmospheres*, **118** (3), 1247-1260.
142. Ray, P. and T. Li, 2013: Relative roles of circumnavigating waves and extratropics on the MJO and its relationship with the mean state. *J. Atmos. Sci.*, **70**, 876-893.
141. Liu, P., T. Li, B. Wang, M. Zhang, J.-J. Luo, Y. Masumoto, X. Wang, and E. Roekner, 2013: MJO change with A1B global warming estimated by the 40-km ECHAM5. *Clim. Dyn.*, **41** (3-4), 1009-1023.
140. Li, K., W. Yu, T. Li, V. S. N. Murty, S. Khokiattiwong, T. R. Adi, and S. Budi, 2013: Structures and mechanisms of the first-branch northward-propagating intraseasonal oscillation over the tropical Indian Ocean, *Clim. Dyn.*, **40** (7-8), 1707-1720.
139. Li, Z., W. Yu, T. Li, V. S. N. Murty, and F. Tangang, 2013: Bimodal character of cyclone climatology in Bay of Bengal modulated by monsoon seasonal cycle, *J. Climate*, **26** (3), 1033-1046.

138. Wang, L., T. Li, and T. Zhou, 2013: Origin of the Intraseasonal Variability over the North Pacific in Boreal Summer, *Journal of Climate*, 26, 1211-1229.
137. Zhao, C.-B., T. Li, and T. Zhou, 2013: Precursor signals and processes associated with MJO initiation over the tropical Indian Ocean. *J. Climate*, 26, 291-307.
136. Ge, X., T. Li, and M. Peng, 2013: Tropical cyclone genesis efficiency: mid-level versus bottom vortex. *J. Tropical Meteorology*, 19(3), 197-213.
135. Chung, P.-H., and T. Li, 2013: Interdecadal relationship between the mean state and El Nino types. *J. Climate*, 26 (2), 361-379.
134. Xiang, B., B. Wang, and T. Li, 2013: A new paradigm for the predominance of standing Central Pacific Warming after the late 1990s. *Climate Dynamics*, 41 (2), 327-340.
133. Gao, J., and T. Li, 2012: Interannual variation of multiple tropical cyclone events in the western north Pacific, *Advances Atmos. Sci.*, 29 (6), 1279-1291.
132. Hsu, P.-C., and T. Li, 2012: Is "rich-get-richer" valid for Indian Ocean and Atlantic ITCZ?" *Geophysical Research Letters*, 39, L13705, doi:10.1029/2012GL052399.
131. Li, T., X. Ge, M. Peng, and W. Wang, 2012: Dependence of tropical cyclone intensification on the Coriolis parameter. *Tropical Cyclone Research and Review*, 1 (2), 242-253.
130. Hsu, P.-C., T. Li, J.-J. Luo, H. Murakami, A. Kitoh, and M. Zhao, 2012: Increase of global monsoon area and precipitation under global warming: A robust signal? *Geophys. Res. Lett.*, 39, L06701, doi:10.1029/2012GL051037.
129. Ray, P., C. Zhang, J. Dudhia, T. Li, and M. W. Moncrieff, 2012: Tropical channel model, In L. M. Druyan (Ed.) *Climate Models*, InTech Publisher, ISBN: 978-953-308-181-6, pp. 350.
128. Hsu, P.-C., and T. Li, 2012: Role of the boundary layer moisture asymmetry in causing the eastward propagation of the Madden-Julian Oscillation. *J. Climate*, 25 (14), 4914-4931.
127. Hsu, P.-C., T. Li, Y.-C. Lin, M.-M. Lu, and J.-Y. Lee, 2012: A spatial-temporal projection method for seasonal prediction of spring rainfall in northern Taiwan. *J. Meteor. Soc. Japan*, Vol. 90, No. 2, 179-190.
126. Zhang, S.-J., T. Li, X. Ge, M. Peng and N. Pan, 2012: A 3DVAR-based Dynamical Initialization Scheme for Tropical Cyclone Predictions. *Wea. Forecasting*, 27, 473-483.
125. Peng, M., B. Fu, T. Li, and D. Stevens, 2012: Developing versus non-developing disturbances for tropical cyclone formation, Part I: North Atlantic. *Monthly Weather Review*, Vol. 140, No. 4, 1047-1066.
124. Fu, B., M. Peng, T. Li, and D. Stevens, 2012: Developing versus non-developing disturbances for tropical cyclone formation, Part II: Western North Pacific. *Monthly Weather Review*, Vol. 140, No. 4, 1067-1080.
123. Li, T. 2012: Synoptic and climatic aspects of tropical cyclogenesis in Western North Pacific. Nova Science Publishers, Inc., Eds. K. Oouchi and H. Fudeyasu, Chap.3, pp.61-94.
122. Wang, L., T. Li, and T. Zhou, 2012: Intraseasonal SST Variability and Air-Sea Interaction over Kuroshio Extension Region during Boreal Summer. *J. Climate*, 25, 1619-1634.

121. Wu, B., T. Zhou, and T. Li, 2012: Two distinct modes of tropical Indian Ocean precipitation in boreal winter and their impacts on equatorial western Pacific. *J. Climate*, 25, 921-938.
120. Chambers, C.R.S., and T. Li, 2011: The Effect of Hawaii's Big Island on Track and Structure of Tropical Cyclones Passing to the South and West. *Mon. Wea. Rev.*, **139**, 3609–3627.
119. Hong, C.-C. Y.-H. Li, T. Li, and M.-Y. Lee, 2011: Impacts of Central Pacific and Eastern Pacific El Niños on tropical cyclone tracks over the western North Pacific. *Geophysical Research Letters*, 38, L16712, doi:10.1029/2011GL048821.
118. Hendricks, E.A., M. S. Peng, X. Ge, and T. Li, 2011: Performance of a Dynamic Initialization Scheme in the Coupled Ocean Atmosphere Mesoscale Prediction System for Tropical Cyclones (COAMPS-TC). *Wea. Forec.*, 26 (5), 650-663.
117. Chung, P., C. Sui, and T. Li (2011), Interannual relationships between the tropical sea surface temperature and summertime subtropical anticyclone over the western North Pacific, *J. Geophys. Res.*, 116, D13111, doi:10.1029/2010JD015554.
116. Liu, L., W. Yu, and T. Li, 2011: Dynamic and Thermodynamic Air-Sea Coupling Associated with the Indian Ocean Dipole diagnosed from 23 WCRP CMIP3 Models. *J. Climate*, 24, 4941-4958.
115. Hsu, P.-C., T. Li, and B. Wang, 2011: Trends in Global Monsoon Area and Precipitation over the Past 30 Years. *Geophys. Res. Lett.*, 38, L08701, doi:10.1029/2011GL046893
114. Rong, X., R. Zhang, T. Li, and J. Su, 2011: Upscale feedback of high-frequency winds to ENSO. *Q. J. R. Meteorol. Soc.*, 137, 894-907.
113. Xiang, B., W. Yu, T. Li, and B. Wang, 2011: The critical role of the boreal summer mean state in the development of the IOD. *Geophys. Res. Lett.*, **38**, L02710, doi:10.1029/2010GL045851.
112. Zhou, X., B. Wang, X. Ge, and T. Li, 2011: Impact of secondary eyewall heating on tropical cyclone intensity change during eyewall replacement. *J. Atmos. Sci.*, **68**, 450–456.
111. Lin, A.-L., T. Li, X. Fu, J.-J. Luo, and Y. Masumoto, 2011: Effects of air-sea coupling on the boreal summer intraseasonal oscillations over the tropical Indian Ocean, *Clim. Dyn.*, 37, 2303-2322.
110. Gao, J.-Y., and T. Li, 2011: Factors controlling multiple tropical cyclone events in the western North Pacific. *Mon. Wea. Rev.*, **139**, 885-894.
109. Hsu, P.C., T. Li, and C.-H. Tsou, 2011: Interactions between boreal summer intraseasonal oscillations and synoptic-scale disturbances over the western North Pacific. Part I: Energetics diagnosis. *J. Climate*, **24**, 927-941.
108. Hsu, P.C., and T. Li, 2011: Interactions between boreal summer intraseasonal oscillations and synoptic-scale disturbances over the western North Pacific. Part II: Apparent heat and moisture sources and eddy momentum transport. *J. Climate*, **24**, 942-961.
107. Lin, A., T. Li, C. Li, J. Liang, and J.-J. Luo, 2011: Effect of air-sea interaction on the interannual oscillation of boreal summer intraseasonal oscillations over the tropical ocean. *Acta Oceanologica Sinica*, 4, 7-14.
106. Li, T., M. Kwon, M. Zhao, J. Kug, J. Luo, and W. Yu (2010), Global warming shifts Pacific tropical cyclone location, *Geophys. Res. Lett.*, 37, L21804, doi:10.1029/2010GL045124.

105. Lin, A.-L., T. Li, and C. Li, 2010: Climatology and Interannual Variability of Boreal Summer Intraseasonal Oscillation Spectrum over the Tropics: Comparison of Wind and OLR Fields. *Chinese Journal of Applied Meteorology*, 21 (5), 545-557.
104. Zhou, C. and T. Li, 2010: Upscale feedback of tropical synoptic variability to intraseasonal oscillations through the nonlinear rectification of the surface latent heat flux. *J. Climate*, 23, 5738-5754.
103. Hong, C.-C., and T. Li, 2010: The independence of SST skewness to thermocline feedback in the eastern equatorial Indian Ocean. *Geophys. Res. Lett.*, **37**, L11702, doi:10.1029/2010GL043380.
102. Feng, L., T. Zhou, B. Wu, T. Li, and J.-J. Luo, 2010: Projection of future precipitation changes over China with a high-resolution global atmospheric model. *Adv. Atmos. Sci.*, 28(2), 464-476, doi:10.1007/s00376-010-0016-1.
101. Chen, J.-M., T. Li, and C.-F. Shih, 2010: Tropical Cyclone and Monsoon Induced Rainfall Variability in Taiwan. *J. Climate*, 23, 4107-4120.
100. Zhu, W., T. Li, X. Fu, and J.-J. Luo, 2010: Influence of the Maritime Continent on the Boreal Summer Intraseasonal Oscillation. *J. Meteor. Soc. Japan*, 88, 395-407.
99. Gu, D., T. Li, Z. Ji, and B. Zheng, 2010: On the Western North Pacific Monsoon, Indian Monsoon and Australian Monsoon Phase Relations. *J. Climate*, 23, 5572-5589.
98. Hong, C.-C., T. Li, H. Lin, and Y.-C. Chen, 2010: Asymmetry of the Indian Ocean Basin-wide SST Anomalies: Roles of ENSO and IOD. *J. Climate*, **23**, 3563–3576. doi: 10.1175/2010JCLI3320.1.
97. Hendricks, E.A., M. S. Peng, B. Fu, and T. Li, 2010: Quantifying environmental control on tropical cyclone intensity change. *Mon. Wea. Rev.*, 138, 3243-3271.
96. Wu, B., T. Li, and T. Zhou, 2010: Relative contributions of the Indian Ocean and local SST anomalies to the maintenance of the western North Pacific anomalous anticyclone during El Niño decaying summer. *J. Climate*, 23, 2974-2986.
95. Wu, B., T. Li, and T. Zhou, 2010: Asymmetry of atmospheric circulation anomalies over the western North Pacific between El Niño and La Niña. *J. Climate*, 23, 4807-4822.
94. Kug, J.-S., K.P. Sooraj, T. Li, F.-F. Jin, and I.-S. Kang, 2010: Precursors of the El Niño/La Niña onset and their inter-relationship. *J. Geophys. Res.*, 115, D05106, doi:10.1029/2009JD012861.
93. Rong, X., R. Zhang, and T. Li, 2010: Impacts of Atlantic SST anomalies on the Indo-East Asian summer monsoon-ENSO relationship. *Chin. Sci. Bull.*, 55, 1397-1408.
92. Ge, X., T. Li, S. Zhang, and M. Peng, 2010: What causes the extremely heavy rainfall in Taiwan during Typhoon Morakot (2009)? *Atmospheric Science Letters*, 11(1), 46-50.
91. Gu, D., T. Li, Z. Ji, and B. Zheng, 2010: Connection of the South China Sea summer monsoon to Maritime Continent convection and ENSO, *Journal of Tropical Meteorology*, **16**, 1-9. 10.3969/j.issn.1006-8775.2010.01.001.
90. Li, T., 2010: Monsoon climate variabilities. in *Climate Dynamics: Why Does Climate Vary?*, *Geophys. Monogr. Ser.*, Editor: D.-Z. Sun & B. Frank, doi:10.1029/2008GM000782.
89. Wen, M., T. Li, R. Zhang, and Y. Qi, 2010: Structure and origin of the quasi-biweekly oscillation over the tropical Indian Ocean in boreal spring. *J. Atmos. Sci.*, Vol. 67, No. 6, 1965-1982.

88. Ge, X., T. Li, and M. Peng, 2010: Cyclogenesis simulation of Typhoon Prapiroon (2000) associated with Rossby wave energy dispersion. *Mon. Wea. Rev.*, 138, 42-54.
87. Li, C., T. Li, J. Liang, D. Gu, A. Lin, and B. Zheng, 2010: Interdecadal variations of meridional winds in the South China Sea and their relationship with summer climate in China. *Journal of Climate*, 23, 825-841.
86. Su, J., R. Zhang, T. Li, X. Rong, J. Kug, and C.-C. Hong, 2010: Amplitude asymmetry of El Nino and La Nina in the eastern equatorial Pacific. *Journal of Climate*, 23(3), 605-617.
85. Zhang, Y.-S., and T. Li, 2009: Satellite-observed 3-D moisture structure and air-sea interactions during summer monsoon onset in the South China Sea. *Advances in Geosciences*, Vol. 10, 27-39. (ISBN: 978-981-283-612-0).
84. Liu, P., M. Satoh, B. Wang, H. Fudeyasu, T. Nasuno, T. Li, H. Miura, H. Taniguchi, H. Masunaga, X. Fu, and H. Annamalai, 2009: An MJO Simulated by the NICAM at 14-km and 7-km Resolutions. *Mon. Wea. Rev.*, 137, 3254-3268.
83. Wu, B., T. Zhou, and T. Li, 2009: Contrast of rainfall-SST relationships in the western North Pacific between the ENSO developing and decaying summers. *J. Climate*, 22, 4398-4405.
82. Wu, B., T. Zhou, and T. Li, 2009: Asian-Australian monsoon interannual variability and ENSO simulated by a coupled GCM FGOALS_s. *Chinese Journal of Atmospheric Sciences*, 33, 285-299.
81. Guilyardi, E., P. Braconnot, F.-F. Jin, S. T. Kim, M. Kolasinski, T. Li, and I. Musat, 2009: Atmosphere feedbacks during ENSO in a coupled GCM with a modified atmospheric convection scheme. *J. Climate*, 22, 5698-5718.
80. Lin, A., T. Li, X. Fu, and J. Luo, 2009: Impact of air-sea interactions over the Indian Ocean on the climatological state of tropical atmospheric circulation in boreal summer. *Chinese Journal of Atmospheric Sciences*, 33, 1123-1136.
79. Li, T., and C. Zhou, 2009: Planetary scale selection of the Madden-Julian Oscillation. *J. Atmos. Sci.*, 66, 2429-2443.
78. Peng, J., T. Li, M. Peng, and X. Ge, 2009: Barotropic instability in the tropical cyclone outer region. *Quart. J. Roy. Meteor. Soc.*, 135, 851-864.
77. Liu, P., Y. Kajikawa, B. Wang, A. Kitoh, T. Yasunari, T. Li, H. Annamalai, X. Fu, K. Kikuchi, R. Mizuta, K. Rajendran, D. E. Waliser, and D. Kim, 2009: Tropical Intraseasonal Variability in the MRI-20km60L AGCM. *J. Climate*, 2006-2022.
76. Hong, C.-C. and T. Li, 2009: The Extreme Cold Anomaly over Southeast Asia in February 2008: Roles of ISO and ENSO, *J. Climate*, 22, 3786-3801.
75. Wu, B., T. Zhou, and T. Li, 2009: Seasonally evolving dominant interannual variability mode over the East Asia. *J. Climate*, 2992-3005.
74. Su, J., R. Zhang, T. Li, and X. Rong, 2009: Skewness of the subsurface ocean temperature in the equatorial Pacific based on assimilated data. *Chinese Journal of Oceanology and Limnology*, 27, 600-606.
73. Qi, Y., R. Zhang, T. Li, M. Wen, 2009: Impacts of intraseasonal oscillation on the onset and interannual variation of the Indian summer monsoon. *Chin. Sci. Bull.*, 54, 880-884.
72. Sooraj, J.-S. Kug, T. Li, I.-S. Kang, 2009: Impact of El Nino onset timing on the Indian Ocean - Pacific coupling and subsequent El Nino evolution. *Theoretical and Applied Climatology*, DOI 10.1007/s00704-008-0067-8.

71. Peng, J., T. Li, and M. Peng, 2009: Formation of tropical cyclone concentric eyewalls by wave-mean flow interactions. *Advances in Geosciences*, Vol. 10, 57-71 (ISBN: 978-981-283-611-3).
70. Li, T., F. Tam, X. Fu, T. Zhou, and W. Zhu, 2008: Causes of the Intraseasonal SST Variability in the Tropical Indian Ocean, *Atmosphere-Ocean Science Letters*, 1, 18-23.
69. Lin, A., and T. Li, 2008: Energy spectrum characteristics of boreal summer intraseasonal oscillations: climatology and variations during the ENSO developing and decaying phases. *J. Climate*, 21, 6304-6320.
68. Qi, Y., R. Zhang, T. Li, and M. Wen (2008), Interactions between the summer mean monsoon and the intraseasonal oscillation in the Indian monsoon region, *Geophys. Res. Lett.*, 35, L17704, doi:10.1029/2008GL034517.
67. Hong, C.-C., T. Li, LinHo, J.-S. Kug, 2008: Asymmetry of the Indian Ocean Dipole. Part I: Observational Analysis. *J. Climate*, 21, 4834-4848.
66. Hong, C.-C., T. Li, J.-J. Luo, 2008: Asymmetry of the Indian Ocean Dipole. Part II: Model diagnosis. *J. Climate*, 21, 4849-4858.
65. Chen, J.-M., T. Li, and J. Shih, 2008: Asymmetry of the El Niño-spring rainfall relationship in Taiwan. *J.M.S. Japan*, 86, 297-312.
64. Zhang, Y.-S., and T. Li, 2008: Influence of the Sea Surface Temperature in the Indian Ocean on the In-phase Transition between the South Asian and North Australian Summer Monsoons. *TAO*, 19, 321-329.
63. Peng, J. Y., M. S. Peng and T. Li, 2008: Dependence of vortex axisymmetrization on the characteristics of the asymmetry. *Quart. J. Roy. Meteor. Soc.*, 134, 1253-1268.
62. Ge, X., T. Li, Y. Wang, and M. Peng, 2008: Tropical Cyclone Energy Dispersion in a Three-Dimensional Primitive Equation Model: Upper Tropospheric Influence. *J. Atmos.Sci.*, 65 (7), 2272-2289.
61. Pan, L., and T. Li, 2008: Interactions between the tropical ISO and mid-latitude low-frequency flow. *Clim. Dyn.*, DOI: 10.1007/s00382-007-0272-7. 31, 375-388.
60. Ge, X., T. Li, and X. Zhou, 2007: Tropical cyclone energy dispersion under vertical shears. *Geophys. Res. Lett.*, 34, L23807, doi:10.1029/2007GL031867
59. Chen, W., and T. Li, 2007: Modulation of northern hemisphere wintertime stationary planetary wave activity – East Asia climate relationships by the quasi-biennial oscillation. *JGR-Atmosphere*, 112, D20120, doi:10.1029/2007JD008611.
58. Zhang, X, T. Li, et al., 2007: Reanalysis of western Pacific typhoons in 2004 with multi-satellite observations, *Meteor. Atmosp. Phys.*, Vol. 98 (special issue on tropical cyclones), 3-18.
57. Chambers, C., and T. Li, 2007: Simulation of formation of a near-equatorial Typhoon Vamei (2001), *Meteor. Atmosp. Phys.*, Vol. 98, 67-80.
56. Sui, C.-H., P.-H. Chung, and T. Li, 2007: Interannual and interdecadal variability of the summertime western north Pacific subtropical high. *Geophys. Res. Let.*, 34, L11701, doi:10.1029/2006GL029204.
55. Fu, B., T. Li, M. Peng, and F. Weng, 2007: Analysis of tropical cyclone genesis in the western North Pacific for 2000 and 2001. *Weather Forecasting*, 22, 763-780.
54. Chen, J.-M., T. Li, and J. Shih, 2007: Fall persistence barrier of sea surface temperature in the South China Sea associated with ENSO. *J. Climate*, 158-172.
53. Li, T., and B. Fu, 2006: Tropical cyclogenesis associated with Rossby wave energy dispersion of a pre-existing typhoon. Part I: Satellite data analyses. *J.Atmos.Sci.*, Vol. 63, No. 5, pages 1377-1389.

52. Li, T., X. Ge, B. Wang, and Y. Zhu, 2006: Tropical cyclogenesis associated with Rossby wave energy dispersion of a pre-existing typhoon. Part II: Numerical simulations. *J.Atmos.Sci.*, 63, 1390–1409.
51. Kug, J.-S., T. Li, S.-I. An, I.-S. Kang, J.-J. Luo, S. Masson, and T. Yamagata, 2006: Role of the ENSO-Indian Ocean Coupling on ENSO variability in a coupled GCM. *GRL*, Vol. 33, L09710, doi:10.1029/2005GL024916.
50. Li, T., 2006: Origin of the summertime synoptic-scale wave train in the western North Pacific. *J.Atmos.Sci.*, 63, 1093–1102.
49. Li, T., P. Liu, X. Fu, B. Wang, and G. A. Meehl, 2006: Tempo-Spatial Structures and Mechanisms of the Tropospheric Biennial Oscillation in the Indo-Pacific Warm Ocean Regions. *J. Climate*, 19, 3070–3087.
48. Tam, C.-Y. and T. Li, 2006: The origin and dispersion characteristics of the observed summertime synoptic-scale waves over the western Pacific. *Mon.Wea.Rev.*, 134, 1630--1646.
47. Peng, M., S., B. Fu, T. F. Hogan, and T. Li, 2006: On Africa easterly waves that impacted two tropical cyclones in 2004. *GRL*, VOL. 33, L11807, doi:10.1029/2006GL026038.
46. Li, T., Y.-C. Tung, and J.-W. Hwu, 2005: Remote and local SST forcing in shaping Asian-Australian monsoon anomalies. *J. Meteor. Soc. Japan*, 83, 153-167.
45. Li, T., and B. Wang, 2005: A review on the western North Pacific monsoon: synoptic-to-interannual variabilities. *Terrestrial, Atmospheric and Oceanic Sciences*, 16, 285-314.
44. Wang, B., T. Li, Y. Ding, R. Zhang, and H. Wang, 2005: East Asian- Western North Pacific monsoon: A distinctive component of the Asian-Australian Monsoon system, *The Global Monsoon System: Research and Forecast Eds. C.-P. Chang, B. Wang, N.-C. Lau*, Chapter 6, pp 72, WMO TD No. 1266, WMO, Geneva.
43. Jiang, X. and T. Li, 2005: Re-initiation of the boreal summer intraseasonal oscillation in the tropical Indian Ocean. *J. Climate*, 18, 3777–3795.
42. Liu, P., B. Wang, K. R. Sperber, T. Li, and G. A. Meehl, 2005: MJO in the NCAR CAM2 with the Tiedtke Convective Scheme. *J. Climate*, 18, 3007-3020.
41. Wang, B. and T. Li, 2004: East Asian monsoon and ENSO interaction, *East Asian Monsoon, World Scientific Publishing Company, Book Chapter*, 177-212.
40. Jiang, X., T. Li, B. Wang, 2004: Structures and mechanisms of the northward propagating boreal summer intraseasonal oscillation. *J. Climate*, 17, 1022-1039.
39. Chang, C.-P., Z. Wang, J. Ju, T Li, 2004: On the relationship between western maritime continent monsoon rainfall and ENSO during northern winter. *J. Climate*, 17, 665-672.
38. Zhang, Y., T. Li, and B. Wang, 2004: Decadal change of snow depth over the Tibetan Plateau in spring: The associated circulation and its relationship to the East Asian summer monsoon rainfall. *J. Climate*, 17, 2780-2793.
37. Li, T., B. Fu, X. Ge, B. Wang, M. Peng, 2003: Satellite data analysis and numerical simulation of tropical cyclone formation. *Geophys. Res. Lett.*, 2122-2126.
36. Li, T., B. Wang, C.-P. Chang, and Y. Zhang, 2003: A theory for the Indian Ocean dipole-zonal mode. *J. Atmos. Sci.*, 60, 2119-2135.
35. Chen, J.-M., C.-P. Chang, and T. Li, 2003: Annual cycle of the South China Sea surface temperature using the NCEP/NCAR reanalysis. *J. Meteor. Soc. Japan*, 81, 879-884.

34. Wang, B. R. Wu, and T. Li, 2003: Atmosphere-warm ocean interaction and its impact on Asian-Australian monsoon variation. *J. Climate*, 16, 1195-1211.
33. Fu, X., B. Wang, T. Li, and J. McCreary, 2003: Coupling between northward propagating ISO and SST in the Indian Ocean. *J. Atmos. Sci.*, 60, 1733-1753.
32. Li, T., Y.S. Zhang, E. Lu, and D. Wang, 2002: Relative role of dynamic and thermodynamic processes in the development of the Indian Ocean dipole. *Geophys. Res. Lett.*, 29, 2110-2113.
31. Fu, X., B. Wang and T. Li, 2002: Impacts of air-sea coupling on the simulation of the mean Asian summer monsoon in the ECHAM4 model. *Mon. Wea. Rev.*, **130**, 2889-2904.
30. Li, T., and Y. Zhang, 2002: Processes that determine the quasi-biennial and lower-frequency variability of the South Asian monsoon. *J. Meteor. Soc. Japan*, 80, 1149-1163.
29. Zhang, Y., T. Li, B. Wang, and G. Wu, 2002: Onset of Asian summer monsoon over Indochina: Climatology and Interannual Variability. *J. Climate*, 15, 3206-3221.
28. Li, T., Y.S. Zhang, C.-P. Chang, B. Wang, 2001: On the relationship between Indian Ocean SST and Asian summer monsoon. *Geophys. Res. Lett.*, 28, 2843-2846.
27. Li, T., B. Wang, C.-P. Chang, 2001: Theories on the tropospheric biennial oscillation: a review. *Dynamics of Atmospheric and Oceanic Circulations and Climate*, Eds.: M. Wang et al., Chinese Academy of Sciences, China Meteorological Press, Beijing, China, 252-276.
26. Li, T., C.-W. Tham, and C.-P. Chang, 2001: A coupled air-sea-monsoon oscillator for the tropospheric biennial oscillation. *J. Climate*, 14, 752-764.
25. Chang, C.-P., and T. Li, 2001: Tropical tropospheric biennial oscillation and ENSO. *East Asian and Western Pacific Meteorology and Climate*, Eds.: C.P. Chang et al., Vol. 1, World Scientific Publishing Company, Singapore, 167-179.
24. Li, T., T. F. Hogan, C.-P. Chang, 2000: Dynamic and thermodynamic regulation of ocean warming, *J. Atmos. Sci.*, 57, 3353-3365.
23. Chang, C.-P., Y.S. Zhang, and T. Li, 2000: Interannual and interdecadal variations of the East Asian summer monsoon and tropical Pacific SSTs: Part I: Role of subtropic ridges. *J. Climate*, 13, 4310-4325.
22. Chang, C.-P., Y.S. Zhang, and T. Li, 2000: Interannual and interdecadal variations of the East Asian summer monsoon and tropical Pacific SSTs: Part II: Meridional structure of the monsoon. *J. Climate*, 13, 4326-4340.
21. Chang, C.-P., and T. Li, 2000: A theory of the tropical tropospheric biennial oscillation. *J. Atmos. Sci.*, 57, 2209-2224.
20. Li, T. and T. F. Hogan, 1999: The role of the annual mean climate on seasonal and interannual variability of the tropical Pacific in a coupled GCM. *J. Climate*, **12**, 780-792.
19. Li, T., 1997: Phase transition of the El Nino-Southern Oscillation: A stationary SST mode. *J. Atmos. Sci.*, **54**, 2872-2887.
18. Li, T., 1997: Air-sea interactions of relevance to the ITCZ: the analysis of coupled instabilities and experiments in a hybrid coupled GCM. *J. Atmos. Sci.*, **54**, 134-147.
17. Li, T., and S.G.H. Philander, 1997: On the seasonal cycle of the equatorial Atlantic Ocean. *J. Climate*, **10**, 813-817.

16. Philander, S.G.H., D. Gu, D. Halpern, G. Lambert, N.-C. Lau, T. Li, and R. Pacanowski, 1996: Why the ITCZ is mostly north of the equator. *J. Climate*, **9**, 2958-2972.
15. Li, T., and S.G.H. Philander, 1996: On the annual cycle of the equatorial eastern Pacific. *J. Climate*, **9**, 2986-2998.
14. Li, T., and B. Wang, 1996: On the seasonal sea surface temperature variation in the tropical Pacific. *Theoret. Appl. Climatology*, **55**, 113-120.
13. Philander, S.G.H., T. Li, and G. Lambert, 1996: Climatic asymmetries relative to the equator. *Numerical Simulations in the Environmental and Earth Sciences*. Ed.: Garcia Garcia, Cambridge University Press, 126-132.
12. Wang, B., T. Li, and P. Chang, 1995: An intermediate model of the tropical Pacific ocean. *J. Phys. Oceanog.*, **25**, 1599-1616.
11. Chang, P., L. Ji, B. Wang, and T. Li, 1995: Interactions between the seasonal cycle and El Nino-Southern Oscillation in an intermediate coupled ocean-atmosphere model. *J. Atmos. Sci.*, **52**, 2353-2372.
10. Li, T., and B. Wang, 1994: A thermodynamic equilibrium climate model for monthly mean surface winds and precipitation over the tropical Pacific. *J. Atmos. Sci.*, **51**, 1372-1385.
9. Li, T., and B. Wang, 1994: The influence of sea surface temperature on the tropical intraseasonal oscillation: a numerical study. *Mon. Wea. Rev.*, **122**, 2349-2362.
8. Wang, B., and T. Li, 1994: Convective interaction with boundary-layer dynamics in the development of a tropical intraseasonal system. *J. Atmos. Sci.*, **51**, 1386-1400.
7. Chang, P., B. Wang, T. Li, and L. Ji, 1994: Interactions between the seasonal cycle and the southern oscillation: frequency entrainment and chaos in a coupled ocean-atmosphere model. *Geophys. Res. Lett.*, **21**, 2817-2820.
6. Wang, B., and T. Li, 1993: A simple tropical atmosphere model of relevance to short-term climate variations. *J. Atmos. Sci.*, **50**, 260-284.
5. Li, T., and Y. Zhu, 1991: Analysis and modeling of tropical cyclone motion: I: asymmetric structure and sudden change of tracks. *Science in China (Series B)*, **34**, 222-233.
4. Li, T., and Y. Zhu, 1991: Numerical experiment of effects of environmental flows on tropical cyclone motion. *Acta Meteor. Sinica*, **5**, 111-117.
3. Li, T., and Y. Zhu, 1989: On the multiple equilibrium of development of tropical cyclones in a nonlinear CISK model. *Advance in Atmos. Sci.*, **6**, 447-456.
2. Li, T., and Y. Zhu, 1988: On the dynamics of development of tropical disturbances: Optimum scales. *Selected Papers in Atmospheric Sciences*, Ed: Institute of Atmospheric Physics, Beijing, China, 43-51.
1. Li, T., 1988: An improved cumulus convection parameterization scheme. *Acta Meteor. Sinica*, **46**, 251-254.

Services/awards in national and international communities:

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 –

University of Hawaii Board of Regent (BOR) Medal for Excellence in Research, 2019

Editor, Journal of Climate, 2015 –
Editor, Earth-Science Reviews, 2015 – 2017
Editor, Dynamics of Atmospheres and Oceans, 2014 - 2017
Co-Chief Editor, Journal of Meteorological Research, 2017 –
Editor, BAMS State of the Climate, 2017 -

Current research grants:

NOAA, Upscale Feedback of Higher-Frequency Modes to MJO over Maritime Continent, 7/1/2018 – 6/30/2021, \$366,406.

NSF, Zonal Asymmetry of Moist Static Energy Tendency and MJO Eastward Propagation in Climate Models, 7/1/2017 – 6/30/2020, \$407,662.

NSF, Mechanisms for El Nino and La Nina Evolution Asymmetry and Formation of Super El Ninos, 11/1/2016 – 10/31/2019, \$496,497.

Citation statistics (up to 09/2019, based on Google Scholar):

Total citation number: **13196**; h-index: **62**; i10-index: 174

Since 2014, citation number: 7690; h-index: 49; i10-index: 157

