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, Indian Ocean dipole/basin modes and inter-basin teleconnection, (2) Variability of the 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, (6) Origin of mid-latitude intraseasonal oscillation (ISO), and (7) Nonlinear rectification and scale interactions.

Publication list:

303. 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.
302. 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.
301. 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.
300. 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

299. 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? *J. Climate*, **39** (1), 172-187, doi:10.1002/joc.5793?af=R.
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, in press.
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, in press. **Doi:**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, in press.
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.
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, in press. IPRC Publication # 1367
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, 2018: Effect of Recent Atlantic Warming in Strengthening Atlantic – Pacific Teleconnection on Interannual Timescale via enhanced connection with the Pacific Meridional Mode. **Climate Dynamics**, in press. DOI: 10.1007/s00382-018-4591-7
291. Wang, L., T. Li, L. Chen (2018): Modulation of the Madden–Julian oscillation on the energetics of wintertime synoptic-scale disturbances. **Climate Dynamics,** doi:10.1007/s00382-018-4447-1.
290. 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, doi:10.1007/s13143-018-0064-5, in press.
289. Chen, L., L. Wang, T. Li, J. Liu (2018): Drivers of reduced ENSO variability in mid-Holocene in a coupled model, Climate Dynamics, doi:10.1007/s00382-018-4496-5
288. Zhao, Chen and T. Li, 2019: Basin dependence of the MJO modulating tropical cyclone genesis. Climate Dynamics, in press. DOI: 10.1007/s00382-018-4502-y
287. 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
286. 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.

285. Park, J.-H., and T. Li, 2018: Interdecadal modulation of El Niño-Tropical North Atlantic teleconnection by the Atlantic Multi-Decadal Oscillation, *Climate Dynamics*, in press.
284. 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
283. 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.
282. Yu, Huaying, Tim Li, and Peng Liu, 2018: Influence of ENSO on frequency of wintertime fog days in Eastern China. *Climate Dynamics*, in press. DOI: 10.1007/s00382-018-4437-3
281. 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.
280. 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.
279. 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
278. 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.
277. 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.
276. He, C, and T. Li, 2018: Does global warming amplify interannual climate variability? *Clim Dyn.*, 52(5), 2667-2684, doi:10.1007/s00382-018-4286-0.
275. 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
274. Wang, Y.-H., C. He, and T. Li, 2018: 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.
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*, 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:10.1175/2018BAMSStateofthe Climate.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
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.
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.
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
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. *Journal of the Atmospheric Sciences*, 75, 2017-2028. DOI: 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
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.
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.
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.
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.
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.

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.
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.
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. *Cli*m. *Dyn*., **51** (11-12), 4309-4327. DOI: 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.
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.
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.
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.
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, 2018: 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.
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.
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.
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.
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.
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.
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.
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.
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.
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.
218. Zhu, L.-L., and T. Li, 2016: A Special MJO Event with a Double Kelvin Wave Structure. *J. Mete*or. *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.
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.
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
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.
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.

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.
206. Deng, L., T. Li, J. Liu, and M. Peng, 2016: Factors Controlling the Interannual Variations of MJO Intensity, *J. M*eteor. Res., **30** (3), 328-340, doi: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. 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%2Fs00382-016-2986-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. Meteo. 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 Dynam*ics, **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. Metor. Atmos. Phy., 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.Geophy.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. *Geophy. 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 rainfal. *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. *Geophy. Res. Let*., 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. *Geophy. Res. Let*., 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. *Geophy. Res. Let*., 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. *Numerican 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 Meteoro. 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 Meteoro. Sinica*, 46, 251-254.

Services/honors in national and international communities:

Panel member, WMO WWRP Monsoon Panel, 2017 -
Panel member, CLIVAR AMIP East Asian Climate (EAC) Panel, 2005 -
Panel member, Scientific Advisory Committee, Desert Research Institute, Nevada, 2006
Affiliated Scientist, APEC Climate Center, Bussan, Korea, 2006 –

University of Hawaii Board of Regent (BOR) Excellence in Research Medal, 2019
Esteemed Original Paper Prize for Exceptional Contributions to *Advances in Atmospheric Sciences*, 2018
One of top 100 papers in Earth Sciences, 2017

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 -

Affiliated Professor, Nanjing University of Information Science and Technology, 2012 –
Adjunct Professor, National Taiwan University, 2005 -
Scientific Advisor, Central Weather Bureau, Taipei, 2001 –
Chair, Scientific advice committee, Shanghai Typhoon Institute, 2017 –

Current research grants at UH:

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 – 10/30/2019, $496,497.

JAMSTEC JIJI Theme1, Sub-seasonal predictability of tropical and extratropical climate modes, 4/1/2014 – 3/31/2019, $562,000.
NRL, Interactions between the monsoon gyre and tropical cyclone, 5/8/2016 – 5/7/2019, $281,044.
NUIST, A research training program, 3/1/2014 – 8/31/2020, $400,000.
NUIST, China-USA Atmosphere-Ocean Research Center (AORC), 10/1/2014 – 9/30/2019, $4,200,000 (Co-PI, PI: Bin Wang)

Current research grants in China:

National 973 Project, Dynamics of Tropical and Mid-latitude ISO and Extended-range Weather-Climate Prediction, 1/1/2015 – 8/31/2019, RMB 21,000,000.
NSFC, MJO Multi-scale interaction over Maritime Continent, 1/12019 – 12/31/2022, RMB 630,000.
NSFC Key Project, Factors controlling ENSO amplitude and evolution, 1/1/2017 – 12/31/2021, RMB 2,600,000.
National Key R&D Project subcontract, East Asian monsoon-ENSO relationship under global warming, 7/1/2017 – 6/30/2022, RMB 1,100,000.

PhD students and post-docs/visiting scholars supervised:

a) PhD students:
Xianan Jiang, Xuyang Ge, Chris Chambers, Bing Fu, Chunhua Zhou, Lei Zhang, Leishan Jiang, Yan Zhu, Manrui Xue (UH)
Bo Wu, Lu Wang, C.-B. Zhao, S.-L. Mei, Xi Cao, Lin Chen (IAP, China)
Zhiwei Zhu, M.-Y. Bi, Jing Feng, Mingchen Chen, Cong Gu, Chen Zhao, Heng Zuo, Yuqin Da, Lili Zhu, Guoming Chen, Ma Chen, Deng Liyuan (NUIST, China)
K.-P. Li (FIO, China)
Yang Yang (OUC, China)
Y.-K. Wu (NNU, Taiwan)

b) Post-docs:
Yongsheng Zhang, Ping Liu, Xianan Jiang, Xuyang Ge, Xin Zhang, Lin-Lin Pan, Francis Tam, Shengjun Zhang, Jiayi Peng, Minho Kwon, Pang-Chi Hsu, Bing Fu, P. Ray, H. Murakami, Y.-M. Xu, Lu Wang, Lin Chen, Zhiwei Zhu, Lei Zhang, Shuangyan Yang, Zhiping Tian, Zhiqing Xu, J.-H. Park

c) Visiting scholars
Weijun Zhu, Dejun Gu, C.-C. Hong, Pei-Hsuan Chung, Ailan Lin, J.-S., Kug, Wen Chen, Qilin Wan, Jianyun Gao, Ning Pan, Jingzhi Su, J.-N. Yuan, Suxiang Yao, Ying Du, Qingjiu Gao, Hongyu Ma, Hui Wang, Peng Liu, Zhi Li

Citation statistics (up to 01/2019, based on Google Scholar**):**

Total citation number: **11664**; h-index: **59**; i10-index: 158

Since 2014, citation number: 6209; h-index: 45; i10-index: 140