List of Scientific Publications

Peer-reviewed original articles

Chen, A., Emanuel, Kerry A., Chen, D., **Lin, C.**, Zhang, F. (2019) Rising future tropical cyclone-induced extreme winds in the Mekong River Basin. *Science Bulletin*, in press, doi:10.1016/j.scib.2019.11.022. (Number of citations: 0).

[2019]

Wang, Y., Yang, K., Zhou, X., Wang, B., Chen, D., Lu, H., **Lin, C.**, and Zhang, F. (2019) The formation of a dry-belt in the north side of central Himalaya Mountains. *Geophysical Research Letters*, 46(5):2993–3000, doi:10.1029/2018GL081061. (Number of citations: 1).

Zhou, X., Yang, K., Beljaars, A., Li, H., **Lin, C.**, Huang, B., and Wang, Y. (2019) Dynamical impact of parameterized turbulent orographic form drag on the simulation of winter precipitation over the western Tibetan Plateau. *Climate Dynamics*, 53(1–2):707–720, doi:10.1007/s00382-019-04628-0. (Number of citations: 2).

Lin, C., Wu, H., Ou, T., and Chen, D. (2019) A new perspective on solar dimming over the Tibetan Plateau. *International Journal of Climatology*, 39(1):302–316, doi:10.1002/joc.5807. (Number of citations: 0).

[2018]

Lin, C., Chen, D., Yang, K., and Ou, T. (2018) Impact of model resolution on simulating the water vapor transport through the central Himalayas: implication for models' wet bias over the Tibetan Plateau. *Climate Dynamics*, 51(9-10):3195–3207, doi:10.1007/s00382-018-4074-x. (Number of citations: 9).

[2017]

Zhou, X., Beljaars, A., Wang, Y., Huang, B., **Lin, C.**, Chen, Y., and Wu, H. (2017). Evaluation of WRF simulations with different selections of sub-grid orographic drag over the Tibetan Plateau. *Journal of Geophysical Research: Atmospheres*, 122(18):9759–9772, doi:10.1002/2017JD027212. (Number of citations: 6).

Wang, Y., Yang, K., Pan, Z., Qin, J., Chen, D., **Lin, C.**, Chen, Y., Lazhu, Tang, W., Han, M., Lu, N., and Wu, H. (2017). Evaluation of precipitable water vapor from four satellite products and four reanalysis datasets against GPS measurements on the Southern Tibetan Plateau. *Journal of Climate*, 30(15):5699–5713, doi:10.1175/JCLI-D-16-0630.1. (Number of citations: 12).

Tang, W., Yang, K., Qin, J., Niu, X., **Lin, C.**, and Jing, X. (2017). A revisit to decadal change of aerosol optical depth and its impact on global radiation over China. *Atmospheric Environment*, 150:106–115, doi:10.1016/j.atmosenv.2016.11.043. (Number of citations: 11).

Gou, P., Ye, Q., Che, T., Feng, Q., Ding, B., **Lin, C.**, and Zong, J. (2017). Lake ice phenology of Nam Co, Central Tibetan Plateau, China, derived from multiple MODIS data products. *Journal of Great Lakes Research*, 43(6):989–998, doi:10.1016/j.jglr.2017.08.011. (Number of citations: 7).

[2015]

Lin, C., Yang, K., Huang, J., Tang, W., Qin, J., Niu, X., Chen, Y., Chen, D., Lu, N., and Fu, R. (2015). Impacts of wind stilling on solar radiation variability in China. *Scientific reports*, 5, doi:10.1038/srep15135. (Number of citations: 36).

[2014] Yang, K., Wu, H., Qin, J., **Lin, C.**, Tang, W., and Chen, Y. (2014). Recent climate changes over the Tibetan Plateau and their impacts on energy and water cycle: A review. *Global and Planetary Change*, 112:79–91, doi:10.1016/j.gloplacha.2013.12.001. (Number of citations: 372).

[2013] Zhao, L., Yang, K., Qin, J., Chen, Y., Tang, W., Montzka, C., Wu, H., **Lin, C.**, Han, M., and Vereecken, H. (2013). Spatiotemporal analysis of soil moisture observations within a Tibetan mesoscale area and its implication to regional soil moisture measurements. *Journal of hydrology*, 482:92–104, doi:10.1016/j.jhydrol.2012.12.033. (Number of citations: 51).

Yang, K., Qin, J., Zhao, L., Chen, Y., Tang, W., Han, M., Chen, Z., Lv, N., Ding, B., Wu, H., and **Lin, C.** (2013). A multiscale soil moisture and freeze–thaw monitoring network on the third pole. *Bulletin of the American Meteorological Society*, 94(12):1907–1916, doi:10.1175/BAMS-D-12-00203.1. (Number of citations: 130).

Xu, Y., Zhou, S., Jin, L., Wang, J., Yang, J., and **Lin, C.** (2013). Diurnal and seasonal variation of carbon dioxide exchange over a film-mulched cotton field under drip irrigation in northern Xinjiang. *Arid Land Geography*, 36:441–449. In Chinese with English abstract, (Number of citations: 4).

Lin, C., Yang, K., Qin, J., and Fu, R. (2013). Observed coherent trends of surface and upper-air wind speed over China since 1960. *Journal of Climate*, 26(9):2891–2903, doi:10.1175/JCLI-D-12-00093.1. (Number of citations: 84).

[2012] Yang, K., Ding, B., Qin, J., Tang, W., Lu, N., and **Lin, C.** (2012). Can aerosol loading explain the solar dimming over the Tibetan Plateau? *Geophysical Research Letters*, 39(20), doi:10.1029/2012GL053733. (Number of citations: 58).

NOTES:

a Citation number is presented for each publication item according to Google Scholar (December 11, 2019).

b Total citation number since 2014: 769; h-index: 9; i10-index: 8.

Article(s) to be published

[Ou et al.] Ou, T., Chen, D., **Lin, C.**, Yang, K., Lai, H.-W., Zhang, F. (?) Simulation of summer precipitation diurnal cycles over the Tibetan Plateau at the grayzone grid spacing for cumulus parameterization. submitted to *Climate Dynamics*.

[Lin et al.] **Lin, C.**, Yang, K., Chen, D., Yao, T., Guyennon, N., Ou, T., Yang, X., Balestrini, R., Tartari, G., and Salerno, F. (?) Glacier-air interaction may extend the lifetime of Himalayan glaciers. submitted to *Science Bulletin*.

[Dai et al.] Dai, Y., et al. (?) How does lake effect snow respond to the climate change over the Tibetan Plateau? in manuscript.