

Refereed Articles and Chapters in Books

2017

Cai, D., Q. You, K. Fraedrich, and Y. Guan 2017: Spatiotemporal temperature variability over the Tibetan Plateau: Altitudinal dependence associated with the global warming hiatus, *J. Climate* 30, 969-983

Cai, D., K. Fraedrich, Y. Guan, S. Guo, and C. Zhang 2017: Urbanization and the thermal environment of Chinese and US-American cities, *Science of the Total Environment (STOTEN)* 589, 200-211

Ge, F., F. Sielmann, X. Zhu, K. Fraedrich, X. Zhi, T. Peng, and L. Wang 2017: The link between Tibetan Plateau monsoon and Indian summer precipitation: a linear diagnostic perspective, *Climate Dynamics* 47,

Hui, T., K. Fraedrich, T. Fischer, B. Su and T. Jiang 2017: Observed changes in maximum and minimum temperatures in Xinjiang Province, China, *International Journal of Climatology*, sub judice

Zhang, F., P. Yang, K. Fraedrich, X. Zhou, G. Wang, and J. Li 2017: Reconstruction of driving forces from nonstationary time series including stationary regions and application to climate change. *Physica A* 473, 337-343.

Zhang, F., Y. Lei, Y. Q.-R. Yu, K. Fraedrich, and H. Iwabuchi 2017: Causality of the drought in the southwestern United States based on observations. *J Climate* 30,

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Bordi, I., X. Zhu, and K. Fraedrich 2016: Precipitable water vapor and its relationship with the Standardized Precipitation Index: Ground-based GPS measurements and reanalysis data. *Theoretical and Applied Climatol.* 123, 263-275.

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Lin H., Q. You, Y. Zhang, Y. Jiao, and K. Fraedrich 2016: Impact of large-scale circulation on the water vapor balance of the Tibetan Plateau in summer, *Intern. J. Climatol.* 36, 4213-4221.

Provenzale, A., E. Palazzi, and K. Fraedrich (Eds) 2016: *The Fluid Dynamics of Climate*, International Centre for Mechanical Sciences (CISM), Springer Verlag, 209pp.

Tao, H., H. Borth, K. Fraedrich, A. Schneidereit, and X. Zhu, 2015: Hydrological extremes in the Aksu-Tarim River Basin. Part I: Climatology and regime shift. *Climate Dynamics* 46, 2028-2037.

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