

Peer-reviewed publications by Timo Vihma

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Submitted

Palo, T., T. Vihma, J. Jaagus, and E. Jakobson. Observations on temperature inversion over central Arctic sea ice in summer, submitted to Q. J. R. Meteorol. Soc.

Naakka, T., T. Nygård, and T. Vihma. Arctic humidity inversions: climatology and processes. Submitted to Atm. Chem. Phys.

Vihma, T. T. Uttal, V. Walden, C. Cox, S. Starkweather, A. Makshtas, and J. Key. Application of IASOA circumpolar observations in studies of atmospheric transports into and out of the central Arctic, submitted to Arctic.

Zhao, J., B. Cheng, Q. Yang, T. Vihma, and L. Zhang. Observations and modelling of thermodynamics of first-year and second-year land-1 fast sea ice in the Prydz Bay, East Antarctica. Submitted to Ann. Glaciol.

Tian, Z., Cheng, B., Zhao, J., Vihma, T., Zhang, W., Li, Z. and Zhang, Z. Observed and modelled snow and ice thickness in the Arctic Ocean with CHINARE buoy data, submitted to Acta Oceanologica Sinica.

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Suomi, I., Gryning, S.-E., O'Connor, E., and Vihma, T. (2017). Methodology for obtaining wind gusts using Doppler lidar, Q. J. R. Meteorol. Soc., in press.

Vihma, T (2017). Weather extremes linked to interaction of the Arctic and mid-latitudes, In: *Climate Extremes: Mechanisms and Potential Prediction*, Wang, S.-Y., et al. (Eds), AGU Monograph, American Geophysical Union, in press.

Shevnina, E., Kurzeneva, E., Kovalenko, V., and Vihma, T. (2017). Assessment of extreme flood events in changing climate for a long-term planning of socio-economic infrastructure in the Russian Arctic, Hydrol. Earth Syst. Sci. doi:10.5194/hess-2015-504, in press.

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