

Andrey A. Grachev
Scientific Publications
Refereed papers (in reverse chronological order)

- Gryanik V.M., Grachev A., Lüpkes C., Sidorenko D. (2019) New modified and extended stability functions for the stable boundary layer based on SHEBA and parametrizations of bulk transfer coefficients for climate models. *J. Atmos. Sci.* (submitted, Sept. 18, 2019)
- Grachev A.A., Fairall C.W., Blomquist B.W., Fernando H.J.S., Leo L.S., Otárola-Bustos S.F., Wilczak J.M., McCaffrey K.L. (2019) On the surface energy balance closure at different temporal scales. *Agric. Forest Meteorol.* (under revision)
- Mahrt L., Thomas C.K., Grachev A., Persson P.O.G. (2018) Near-surface vertical flux divergence in the stable boundary layer. *Boundary-Layer Meteorol.* **169**(3): 373–393. DOI: 10.1007/s10546-018-0379-x
- Grachev A.A., Persson P.O.G., Uttal T., Akish E.A., Cox C.J., Morris S.M., Fairall C.W., Stone R.S., Lesins G., Makshtas A.P., Repina I.A. (2018) Seasonal and latitudinal variations of surface fluxes at two Arctic terrestrial sites. *Climate Dynamics.* **51**(5-6): 1793–1818. DOI: 10.1007/s00382-017-3983-4
- Wang Q., Alappattu D.P., Billingsley S., Blomquist B., Burkholder R.J., Christman A.J., Creegan E.D., de Paolo T., Eleuterio D.P., Fernando H.J.S., Franklin K.B., Grachev A.A., Haack T., Hanley T.R., Hocut C.M., Holt T.R., Horgan K., Jonsson H.H., Hale R.A., Kalogiros J.A., Khelif D., Leo L.S., Lind R.J., Lozovatsky I., Panella-Morato J., Mukherjee S., Nuss W.A., Pozderac J., Rogers L.T., Savelyev I., Savage D.K., Shearman R.K., Shen L., Terrill E., Ulate A.M., Wang Q., Wendt R.T., Wiss R., Woods R.K., Xu L., Yamaguchi R.T., Yardim C. (2018) CASPER: Coupled Air-Sea Processes and Electromagnetic (EM) Wave ducting Research. *Bull. Amer. Meteorol. Society.* **99**(7): 1449–1471. DOI: 10.1175/BAMS-D-16-0046.1
- Grachev A.A., Leo L.S., Fernando H.J.S., Fairall C.W., Creegan E., Blomquist B.W., Christman A.J., Hocut C.M. (2018) Air-sea/land interaction in the coastal zone. *Boundary-Layer Meteorol.* **167**(2): 181–210. DOI: 10.1007/s10546-017-0326-2
- Uttal T, Starkweather S., Drummond J.R., Vihma T., Makshtas A.P., Darby L.S., Burkhart J.F., Cox C.J., Schmeisser L.N., Haiden T., Maturilli M., Shupe, M.D. de Boer G., Saha A., Grachev A.A., Crepinsek S.M., Bruhwiler L., Goodison B., McArthur B., Walden V.P., Dlugokencky E.J., Persson P.O.G., Lesins G., Laurila T., Ogren J.A., Stone R., Long C.N., Sharma S., Massling A., Turner D.D., Stanitski D.M., Asmi E., Aurela M., Skov H., Eleftheriadis K., Virkkula A., Platt A., Førland E.J., Iijima Y., Nielsen I.E., Bergin M.H., Candlish L., Zimov N.S., Zimov S.A., O'Neill N.T., Fogal P.F., Kivi R., Konopleva-Akish E.A., Verlinde J., Kustov V.Y., Vassel B., Ivakhov V.M., Viisanen Y., Intrieri J.M. (2016) International Arctic Systems for Observing the Atmosphere: An International Polar Year

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Grachev A.A., Leo L.S., Di Sabatino S., Fernando H.J.S., Pardyjak E.R., Fairall C.W. (2016) Structure of turbulence in katabatic flows below and above the wind-speed maximum. *Boundary-Layer Meteorol.* **159**(3), 469–494. DOI: 10.1007/s10546-015-0034-8 (<http://arxiv.org/abs/1501.02297>)

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