

## Refereed Journal Articles

- Graham, R. M, **Cohen, L.**, Ritzhaupt, N., Segger, B., Graverson, R. G., Rinke, A., Walden, V. P., Granskog, M. A., Hudson, S. R. (2019) Evaluation of six atmospheric reanalyses over Arctic sea ice from winter to early summer, *J. Climate*, 32, 4121-4143, <https://doi.org/10.1175/JCLI-D-18-0643.1>.
- Graham, R. M., P. Itkin, A. Meyer, A. Sundfjord, G. Spreen, L. H. Smedsrud, G. E. Liston, B. Cheng, **L. Cohen**, and 20 others. (2019) Winter storms accelerate the demise of Arctic sea ice in the Atlantic sector of the Arctic Ocean. *Scientific Reports*, 9:9222, <https://doi.org/10.1038/s41598-019-45574-5>.
- Pramanik, A., J. Kohler, T. V. Schuler, W. van Pelt, **L. Cohen** (2019) Comparison of snow accumulation events on two High-Arctic glaciers to model-derived and observed precipitation. *Polar Research*, 38, 3364, <https://doi.org/10.33265/polar.v38.3364>.
- Pavlov, A., Meyer, A., Rösel, A., **Cohen, L.**, King, J., Itkin, P., Negrel, J., Gerland, S., Hudson, S. R., Dodd, P., de Steur, L., Mathisen, S., Cobbing, N., Granskog, M. A. (2018) From the Arctic to the public: Social media as a science communication tool. *Bull. Amer. Met. Soc.*, doi:10.1175/BAMS-D-17-0195.1.
- Nomura, D., M. A. Granskog, A. Fransson, M. Chierici, A. Silyakova, K. I. Ohshima, **L. Cohen**, B. Delille, S. R. Hudson, G. S. Dieckmann (2018) CO<sub>2</sub> flux over young and snow-covered Arctic pack ice in winter and spring, *Biogeosciences*, 15, 3331-3343, [doi.org/10.5194/bg-15-3331-2018](https://doi.org/10.5194/bg-15-3331-2018).
- Meyer, A., A.K. Pavlov, A. Rösel, J. Negrel, P. Itkin, **L. Cohen**, J. King, S. Gerland, S.R. Hudson, L. de Steur, P.A. Dodd, L. Crews, M. Bratrein, Mats A. Granskog, and N. Cobbing (2018) Science outreach using social media: Oceanography from the lab to the public. *Oceanography* 31(2), [doi.org/10.5670/oceanog.2018.212](https://doi.org/10.5670/oceanog.2018.212).
- Cohen, L.**, Hudson, S.R., Walden, V.P., Graham, R., Granskog, M.A. (2017) Meteorological conditions in a thinner Arctic sea ice regime from winter through summer during the Norwegian Young Sea Ice expedition (N-ICE2015). *Journal of Geophysical Research: Atmospheres*, doi:10.1002/2016JD026034.
- Graham, R. M., **L. Cohen**, A. A. Petty, L. N. Boisvert, A. Rinke, S. R. Hudson, M. Nicolaus, and M. A. Granskog (2017), Increasing frequency and duration of Arctic winter warming events, *Geophys. Res. Lett.*, 44, 6974–6983, doi:10.1002/2017GL073395.
- Walden, V.P., Hudson, S.R., **Cohen, L.**, Murphy, S.Y., Granskog, M.A. (2017) Atmospheric components of the surface energy budget over young sea ice: Results from the N-ICE2015 campaign. *Journal of Geophysical Research: Atmospheres*, doi:10.1002/2016JD026091.
- Rinke, A., Maturilli, M., Graham, R., Heidrun, M., Handorf, D., **Cohen, L.**, Hudson, S. R., Moore, J. (2017) Extreme cyclone events in the Arctic: Wintertime variability and trends. *Environ. Res. Lett.* 12 094006, doi: 10.1088/1748-9326/aa7def.
- Kayser, M., Maturilli, M., Graham, R., Hudson, S.R., Rinke, A., **Cohen, L.**, Kim, J.-H., Park, S.-J., Moon, W., Granskog, M.A. (2017) Vertical Thermodynamic Structure of the Troposphere during the Norwegian young sea ICE expedition (N-ICE2015). *Journal of Geophysical Research: Atmospheres*, doi:10.1002/2016JD026089.
- Graham, R.M., Rinke, A., **Cohen, L.**, Hudson, S.R., Walden, V.P., Granskog, M.A., Dorn, W., Kayser, M., Maturilli, M. (2017) A comparison of the two Arctic atmospheric winter states observed during N-ICE2015 and SHEBA. *Journal of Geophysical Research: Atmospheres* 121, doi:10.1002/2016JD025475.
- Assmy, P., et al. (2017) Leads in Arctic pack ice enable early phytoplankton blooms below snow-covered sea ice. *Scientific Reports* 7: 40850, doi:10.1038/srep40850.
- Duarte, P., et al. (2017) Sea ice thermohaline dynamics and biogeochemistry in the Arctic Ocean: Empirical and model results. *Journal of Geophysical Research: Biogeosciences*, doi:10.1002/2016JG003660.
- Olsen, L.M., et al. (2017) The seeding of ice-algal blooms in Arctic pack ice: the multiyear ice seed repository hypothesis. *Journal of Geophysical Research: Biogeosciences*, doi:10.1002/2016JG003668.
- Cohen, L.** and Dean, S., (2013) Snow on the Ross Ice Shelf: comparison of reanalyses and observations from automatic weather stations. *The Cryosphere*, 7, 1399-1410, doi: 10.5194/tc-7-1399-2013.
- Cohen, L.**, Dean, S., and Renwick, J., (2013) Synoptic Weather Types for the Ross Sea Region, Antarctica. *J. Clim.*, 26, 636-649, doi: 10.1175/JCLI-D-11-00690.1.

- Helmig, D., **L. Cohen**, F. Bocquet, S. Oltmans, A. Grachev, W. Neff, (2009) Spring and summertime diurnal surface ozone fluxes over the polar snow at Summit, Greenland. *Geophys. Res. Lett.*, 36, L08809.
- Cohen, L.**, D. Helmig, W. Neff, A. Grachev, C.W. Fairall, (2007) Boundary-layer dynamics and its influence on atmospheric chemistry at Summit, Greenland. *Atmos. Environ.*, 41, 5044-5060.
- Helmig, D., F. Bocquet, **L. Cohen**, S.J. Oltmans, (2007) Ozone uptake to the polar snowpack at Summit, Greenland. *Atmos. Environ.*, 41, 5061-5076.
- Dibb, J.E., M. Albert, C. Anastasio, E. Atlas, A.J. Beyersdorf, N.J. Blake, D.R. Blake, F. Bocquet, J.F. Burkhart, G. Chen, **L. Cohen**, and 20 others, (2007) An overview of air-snow exchange at Summit, Greenland: Recent experiments and findings. *Atmos. Environ.*, 41, 4995-5006, DOI: [10.1016/j.atmosenv.2006.12.006](https://doi.org/10.1016/j.atmosenv.2006.12.006).

## Published Datasets

- Kral, S., Reuder, J., Hudson, S. R., & **Cohen, L.** (2017). N-ICE2015 sodar wind data [Data set]. Norwegian Polar Institute, doi.org/10.21334/npolar.2017.79e05d20.
- Hudson, S. R., **Cohen, L.**, Kayser, M., Matruilli, M., Kim, J.H., Park, S.J., Moon, W., Granskog, M.A. (2017). N-ICE2015 atmospheric profiles from radiosondes [Data set]. Norwegian Polar Institute, doi.org/10.21334/npolar.2017.216df9b3.
- Walden, V. P., Murphy, S., Hudson, S. R., & **Cohen, L.** (2017). N-ICE2015 atmospheric turbulent fluxes [Data set]. Norwegian Polar Institute, doi.org/10.21334/npolar.2017.298013b7.
- Hudson, S. R., **L. Cohen**, & Walden, V. P. (2016). N-ICE2015 surface broadband radiation data [Data set]. Norwegian Polar Institute, doi.org/10.21334/npolar.2016.a89cb766.
- Hudson, S. R., **L. Cohen**, & Walden, V. (2015). N-ICE2015 surface meteorology [Data set]. Norwegian Polar Institute, doi.org/10.21334/npolar.2015.056a61d1.

## Other publications

- Rösel, A., **L. Cohen**, G. E. Liston, S. Hudson, P. Itkin, S. Gerland (2018). Arctic Heat Transfer Mechanisms between Ocean and Atmosphere during Autumn and Winter. Arctic Observing Summit 2018 Short Statement, Sub-theme 3. Operating Observing Systems and Networks, [www.arcticobservingsummit.org/aos-2018-statements](http://www.arcticobservingsummit.org/aos-2018-statements).
- Cohen, L.** (2017). Meteorological conditions in a thinner Arctic sea ice regime from winter to summer during the Norwegian Young Sea Ice expedition (N-ICE2015). *Ice and Climate Newsletter*, 27, Climate and Cryosphere (CliC), [ISSN 1811-0843](https://doi.org/10.1186/1811-0843).