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*Publications*

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## Citations

Peer-reviewed papers in international journals 48

Proceedings in international conferences 21

Google Scholar Times cited= 2355, H-index = 25

Web of Science Times cited= 1541, H-index = 22

## Peer-reviewed papers

2020

- [1] Daskalakis, N., **Raut, J.-C.**, Law, K. S., Onishi, T., Marelle, L. : Impacts of shipping emissions in the Barents Sea in atmospheric composition and deposition, *J. Geophys. Res.*, to be submitted, 2020.
- [2] Maillard, J., Ravetta, F., **Raut, J.-C.**, Pelon, J., Mariage, V. : Characteristics and seasonal variation of Arctic low clouds from the IAOOS field experiment and link to the surface, *Atmos. Chem. Phys. Disc.*, to be submitted, 2020.
- [3] Di Biagio, C., Pelon, J., Blanchard, Y., Loyer, L. Hudson, S. R., Von Walden, P., **Raut, J.-C.**, Kato, S. Mariage, V., Granskog, M. : Towards a better surface radiation budget analysis over the high Arctic Ocean: a comparative study between satellite, re-analysis, and local-scale observations, *J. Geophys. Res.*, submitted, 2020.
- [4] Petäjä, T., Duplissy, E.-M., Tabakova, K., Schmale, J., Altstädter, B., Ancellet, G., Arshinov, M., Balin, Y., Baltensperger, U., Bange, J., Beamish, A., Belan, B., Berchet, A., Bossi, R., Cairns, W. R. L., Ebinghaus, R., El Haddad, I., Ferreira-Araujo, B., Franck, A., Huang, L., Hyvärinen, A., Humbert, A., Kalogridis, A.-C., Konstantinov, P., Lampert, A., MacLeod, M., Magand, O., Mahura, A., Marelle, L., Masloboev, V., Moisseev, D., Moschos, V., Neckel, N., Onishi, T., Osterwalder, S., Ovaska, A., Paasonen, P., Panchenko, D., Panchenko, M., Pankratov, F., Pernov, J. B., Platis, A., Popovicheva, O., **Raut, J.-C.**, Riandet, A., Sachs, T., Salvatori, R., Salzano, R., Schröder, L., Schön, M., Shevchenko, V., Skov, H., Sonke, J. E., Spolaor, A., Stathopoulos, V., Strahlendorff, M., Thomas, J. L., Vitale, V., Vratolis, S., Barbante, C., Chabrilat, S., Dommergue, A., Eleftheriadis, K., Heilmö, J., Law, K. S., Massling, A., Noe, S. M., Paris, J.-D., Prévôt, A., Riipinen, I., Wehner, B., Xie, Z., and Lappalainen, H. K : Integrative and comprehensive Understanding on Polar Environments (iCUPE): the concept and initial results, *Atmos. Chem. Phys. Disc.*, 20, pp. 1-62, doi:10.5194/acp-2019-1217, 2020.
- [5] Keita, S. A., Girard, E., **Raut, J.-C.**, Leriche, M. Blanchet, J.-P., Pelon, J., Onishi, T., Cirisan, A. : A new parameterization of ice heterogeneous nucleation coupled to aerosol chemistry in WRF-Chem model version 3.5.1: evaluation through the ISDAC measurements, *Geosci. Model Dev.*, submitted, 2020.

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- [6] Keita, S. A., Girard, E., **Raut, J.-C.**, Pelon, J., Blanchet, J.-P., Lemoine, O., Onishi, T. : Simulating Arctic Ice Clouds during Spring Using an Advanced Ice Cloud Microphysics in the WRF Model, *Atmosphere*, MDPI, 10 (8), art. 433, doi:10.3390/atmos10080433, 2019.
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## Proceedings in international conferences with reviewing board

- [1] Di Biagio, C., Pelon, J., Blanchard, Y., Loyer, L. Hudson, S. R., Von Walden, P., **Raut, J.-C.**, Kato, S. Mariage, V., Granskog, M. : Surface Radiation Budget Analysis over sea ice in the Arctic Ocean: Comparison Between Satellite, Re-analysis, and Local-Scale Observations, International Radiation Symposium (IRS), Thessaloniki, Greece, 14-18 June, 2021.
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- [3] Onishi, T., Law, K.S., **Raut, J.-C.**, Fierli, F., Cairo, F., Ravegnani, F., Viciani, S., D'Amato, F., and Borrmann, S. : Transport of aerosols and trace gases into the upper troposphere during the peak Asian monsoon period in summer 2017, Stratosphere-Troposphere Processes And their Role in Climate (SPARC) General Assembly, Kyoto, Japan, 1-5 October, 2018.
- [4] **Raut, J.-C.**, Law, K.S., Onishi, T., Daskalakis, N., Marelle, L., Ellingsen, I. : Impacts of present-day and future shipping emissions in the Barents Sea region, International Global Atmospheric Chemistry conference (IGAC), Kagawa, Japan, 25-29 September, 2018.
- [5] Law, K.S., Onishi, T., Paris, J.-D., Ancellet, G., **Raut, J.-C.**, Nédélec, P., Panchenko, M., Chernov, D., Arshinov, M., Belan, B. : Towards improved quantification of Russian oil and gas extraction emissions based on analysis of YAK-AEROSIB aircraft data, International Global Atmospheric Chemistry conference (IGAC), Kagawa, Japan, 25-29 September, 2018.
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- [8] Totems, J., Chazette, P. and **Raut, J.-C.** : Summertime tropospheric water vapor measurements above the Arctic Circle by Raman lidar and comparison to weather model, European Geosciences Union (EGU) General Assembly, Vienna, Austria, 8-13 April, 2018.
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- [10] Pelon, J., Di Biagio, C., Mariage, V., Blanchard, Y., Ancellet, G., **Raut, J.-C.**, Sennechael, N. : Study of Aerosol Properties North of Svalbard from Autumn 2014 to Spring 2015 Using Combined V4 CALIOP Data, Ice-based IAOS Lidar Observations and Trajectory Analyses, AGU Fall Meeting, New Orleans, United States, 11-15 December, 2017.
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