Samuel E Leblanc

List of Publications by Year
in descending order

20 papers	460 citations	840776 11 h-index	752698 20 g-index
41 all docs	41 docs citations	41 times ranked	676 citing authors

#	Article	IF	Citations
1	Biomass burning aerosol heating rates from the ORACLES (ObseRvations of Aerosols above CLouds) Tj ETQq1 1 0.784314 rgBT /Over 61-77.	3.1	5
2	Above-aircraft cirrus cloud and aerosol optical depth from hyperspectral irradiances measured by a total-diffuse radiometer. Atmospheric Measurement Techniques, 2022, 15, 1373-1394.	3.1	5
3	An overview of the ORACLES (ObseRvations of Aerosols above CLouds and their intEractionS) project: aerosolâ€“cloudâ€“radiation interactions in the southeast Atlantic basin. Atmospheric Chemistry and Physics, 2021, 21, 1507-1563.	4.9	97
4	Impact of the variability in vertical separation between biomass burning aerosols and marine stratocumulus on cloud microphysical properties over the Southeast Atlantic. Atmospheric Chemistry and Physics, 2021, 21, 4615-4635.	4.9	12
5	Spatiotemporal Heterogeneity of Aerosol and Cloud Properties Over the Southeast Atlantic: An Observational Analysis. Geophysical Research Letters, 2021, 48, e2020GL091469.	4.0	13
6	Exploring the elevated water vapor signal associated with the free tropospheric biomass burning plume over the southeast Atlantic Ocean. Atmospheric Chemistry and Physics, 2021, 21, 9643-9668.	4.9	17
7	Temporal and spatial variations of aerosol optical properties over the Korean peninsula during KORUS-AQ. Atmospheric Environment, 2021, 254, 118301.	4.1	10
8	Airborne and ground-based measurements of aerosol optical depth of freshly emitted anthropogenic plumes in the Athabasca Oil Sands Region. Atmospheric Chemistry and Physics, 2021, 21, 10671-10687.	4.9	3
9	Empirically derived parameterizations of the direct aerosol radiative effect based on ORACLES aircraft observations. Atmospheric Measurement Techniques, 2021, 14, 567-593.	3.1	5
10	Above-cloud aerosol optical depth from airborne observations in the southeast Atlantic. Atmospheric Chemistry and Physics, 2020, 20, 1565-1590.	4.9	23
11	Daytime aerosol optical depth above low-level clouds is similar to that in adjacent clear skies at the same heights: airborne observation above the southeast Atlantic. Atmospheric Chemistry and Physics, 2020, 20, 11275-11285.	4.9	7
12	Modeling the smoky troposphere of the southeast Atlantic: a comparison to ORACLES airborne observations from September of 2016. Atmospheric Chemistry and Physics, 2020, 20, 11491-11526.	4.9	32
13	Two decades observing smoke above clouds in the south-eastern Atlantic Ocean: Deep Blue algorithm updates and validation with ORACLES field campaign data. Atmospheric Measurement Techniques, 2019, 12, 3595-3627.	3.1	15
14	Intercomparison of biomass burning aerosol optical properties from in situ and remote-sensing instruments in ORACLES-2016. Atmospheric Chemistry and Physics, 2019, 19, 9181-9208.	4.9	69
15	Estimations of global shortwave direct aerosol radiative effects above opaque water clouds using a combination of A-Train satellite sensors. Atmospheric Chemistry and Physics, 2019, 19, 4933-4962.	4.9	34
16	Above-cloud aerosol radiative effects based on ORACLES 2016 and ORACLES 2017 aircraft experiments. Atmospheric Measurement Techniques, 2019, 12, 6505-6528.	3.1	18
17	Bias and Sensitivity of Boundary Layer Clouds and Surface Radiative Fluxes in MERRA-2 and Airborne Observations Over the Beaufort Sea During the ARISE Campaign. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6565-6580.	3.3	7
18	Arctic Radiation-IceBridge Sea and Ice Experiment: The Arctic Radiant Energy System during the Critical Seasonal Ice Transition. Bulletin of the American Meteorological Society, 2017, 98, 1399-1426.	3.3	17

#	Article	IF	Citations
19	A spectral method for discriminating thermodynamic phase and retrieving cloud optical thickness and effective radius using transmitted solar radiance spectra. Atmospheric Measurement Techniques, 2015, 8, 1361-1383.	3.1	23
20	Spectral aerosol direct radiative forcing from airborne radiative measurements during CalNex and ARCTAS. Journal of Geophysical Research, 2012, 117, .	3.3	7