

Samuel E Leblanc

List of Publications by Year in descending order

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Version: 2024-02-01

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	An overview of the ORACLES (ObseRvations of Aerosols above CLouds and their intEractionS) project: aerosol–cloud–radiation interactions in the southeast Atlantic basin. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1507-1563.	4.9	97
2	Intercomparison of biomass burning aerosol optical properties from in situ and remote-sensing instruments in ORACLES-2016. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9181-9208.	4.9	69
3	Estimations of global shortwave direct aerosol radiative effects above opaque water clouds using a combination of A-Train satellite sensors. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4933-4962.	4.9	34
4	Modeling the smoky troposphere of the southeast Atlantic: a comparison to ORACLES airborne observations from September of 2016. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11491-11526.	4.9	32
5	A spectral method for discriminating thermodynamic phase and retrieving cloud optical thickness and effective radius using transmitted solar radiance spectra. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1361-1383.	3.1	23
6	Above-cloud aerosol optical depth from airborne observations in the southeast Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1565-1590.	4.9	23
7	Above-cloud aerosol radiative effects based on ORACLES 2016 and ORACLES 2017 aircraft experiments. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 6505-6528.	3.1	18
8	Arctic Radiation-IceBridge Sea and Ice Experiment: The Arctic Radiant Energy System during the Critical Seasonal Ice Transition. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1399-1426.	3.3	17
9	Exploring the elevated water vapor signal associated with the free tropospheric biomass burning plume over the southeast Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9643-9668.	4.9	17
10	Two decades observing smoke above clouds in the south-eastern Atlantic Ocean: Deep Blue algorithm updates and validation with ORACLES field campaign data. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3595-3627.	3.1	15
11	Spatiotemporal Heterogeneity of Aerosol and Cloud Properties Over the Southeast Atlantic: An Observational Analysis. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091469.	4.0	13
12	Impact of the variability in vertical separation between biomass burning aerosols and marine stratocumulus on cloud microphysical properties over the Southeast Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4615-4635.	4.9	12
13	Temporal and spatial variations of aerosol optical properties over the Korean peninsula during KORUS-AQ. <i>Atmospheric Environment</i> , 2021, 254, 118301.	4.1	10
14	Spectral aerosol direct radiative forcing from airborne radiative measurements during CalNex and ARCTAS. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	7
15	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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6565-6580.	3.3	7
16	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. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11275-11285.	4.9	7
17	Empirically derived parameterizations of the direct aerosol radiative effect based on ORACLES aircraft observations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 567-593.	3.1	5
18	Biomass burning aerosol heating rates from the ORACLES (ObseRvations of Aerosols above CLouds) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 61-77.	3.1	5

#	ARTICLE	IF	CITATIONS
19	Above-aircraft cirrus cloud and aerosol optical depth from hyperspectral irradiances measured by a total-diffuse radiometer. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1373-1394.	3.1	5
20	Airborne and ground-based measurements of aerosol optical depth of freshly emitted anthropogenic plumes in the Athabasca Oil Sands Region. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10671-10687.	4.9	3