Allison C Mccomiskey

List of Publications by Year
in descending order

34 papers	2,093 citations	361388 20 h-index	395678 33 g-index
40 all docs	40 docs citations	40 times ranked	2875 citing authors

#	Article	IF	Citations
1	A Novel Networkâ€Based Approach to Determining Measurement Representation Error for Model Evaluation of Aerosol Microphysical Properties. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	3
2	Assessing the vertical structure of Arctic aerosols using balloon-borne measurements. Atmospheric Chemistry and Physics, 2021, 21, 1737-1757.	4.9	25
3	The De-Icing Comparison Experiment (D-ICE): a study of broadband radiometric measurements under icing conditions in the Arctic. Atmospheric Measurement Techniques, 2021, 14, 1205-1224.	3.1	7
4	The Shortwave Spectral Radiometer for Atmospheric Science: Capabilities and Applications from the ARM User Facility. Bulletin of the American Meteorological Society, 2021, 102, E539-E554.	3.3	2
5	Observations of greenhouse gases as climate indicators. Climatic Change, 2021, 165, 12.	3.6	30
6	Cloud, Aerosol, and Radiative Properties Over the Western North Atlantic Ocean. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034113.	3.3	5
7	Atmospheric Research Over the Western North Atlantic Ocean Region and North American East Coast: A Review of Past Work and Challenges Ahead. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031626.	3.3	35
8	Identifying a regional aerosol baseline in the eastern North Atlantic using collocated measurements and a mathematical algorithm to mask high-submicron-number-concentration aerosol events. Atmospheric Chemistry and Physics, 2020, 20, 7553-7573.	4.9	7
9	An Atmospheric Aerosol Short Course for Early Career Scientists. Bulletin of the American Meteorological Society, 2020, 101, E1562-E1567.	3.3	0
10	Aerosolâ€“Cloudâ€“Meteorology Interaction Airborne Field Investigations: Using Lessons Learned from the U.S. West Coast in the Design of ACTIVATE off the U.S. East Coast. Bulletin of the American Meteorological Society, 2019, 100, 1511-1528.	3.3	51
11	Measurement-based climatology of aerosol direct radiative effect, its sensitivities, and uncertainties from a background southeast US site. Atmospheric Chemistry and Physics, 2018, 18, 4131-4152.	4.9	11
12	The influence of local oil exploration and regional wildfires on summer 2015 aerosol over the North Slope of Alaska. Atmospheric Chemistry and Physics, 2018, 18, 555-570.	4.9	23
13	The relative impact of cloud condensation nuclei and ice nucleating particle concentrations on phase partitioning in Arctic mixed-phase stratocumulus clouds. Atmospheric Chemistry and Physics, 2018, 18, 17047-17059.	4.9	44
14	A Birdâ€™s-Eye View: Development of an Operational ARM Unmanned Aerial Capability for Atmospheric Research in Arctic Alaska. Bulletin of the American Meteorological Society, 2018, 99, 1197-1212.	3.3	46
15	Climatology of aerosol optical depth at mid-continental US site: ground-based observations. , 2018, , .		0
16	The thin border between cloud and aerosol: Sensitivity of several ground based observation techniques. Atmospheric Research, 2017, 196, 248-260.	4.1	28
17	Analysis of albedo versus cloud fraction relationships in liquid water clouds using heuristic models and large eddy simulation. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7086-7102.	3.3	12
18	Aerosol indirect effects on the nighttime Arctic Ocean surface from thin, predominantly liquid clouds. Atmospheric Chemistry and Physics, 2017, 17, 7311-7332.	4.9	16

#	Article	IF	Citations
19	Aerosol Physical and Optical Properties and Processes in the ARM Program. Meteorological Monographs, 2016, 57, 21.1-21.17.	5.0	20
20	ARMâ€™s Aerosolâ€“Cloudâ€“Precipitation Research (Aerosol Indirect Effects). Meteorological Monographs, 2016, 57, 22.1-22.15.	5.0	14
21	A long-term study of aerosolâ€“cloud interactions and their radiative effect at the Southern Great Plains using ground-based measurements. Atmospheric Chemistry and Physics, 2016, 16, 11301-11318.	4.9	21
22	New approaches to quantifying aerosol influence on the cloud radiative effect. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5812-5819.	7.1	58
23	Stratocumulus to cumulus transition in the presence of elevated smoke layers. Geophysical Research Letters, 2015, 42, 10,478.	4.0	45
24	Effect of gradients in biomass burning aerosol on shallow cumulus convective circulations. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9948-9964.	3.3	13
25	Trends in sulfate and organic aerosol mass in the Southeast U.S.: Impact on aerosol optical depth and radiative forcing. Geophysical Research Letters, 2014, 41, 7701-7709.	4.0	77
26	On the relationship between cloud contact time and precipitation susceptibility to aerosol. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,544.	3.3	50
27	The scale problem in quantifying aerosol indirect effects. Atmospheric Chemistry and Physics, 2012, 12, 1031-1049.	4.9	137
28	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic Climate (ARCPAC) Project. Atmospheric Chemistry and Physics, 2011, 11, 2423-2453.	4.9	259
29	An assessment of aerosolâ€cloud interactions in marine stratus clouds based on surface remote sensing. Journal of Geophysical Research, 2009, 114, .	3.3	148
30	On the link between ocean biota emissions, aerosol, and maritime clouds: Airborne, ground, and satellite measurements off the coast of California. Global Biogeochemical Cycles, 2009, 23, .	4.9	113
31	Aerosol indirect effects â€“ general circulation model intercomparison and evaluation with satellite data. Atmospheric Chemistry and Physics, 2009, 9, 8697-8717.	4.9	418
32	Quantifying error in the radiative forcing of the first aerosol indirect effect. Geophysical Research Letters, 2008, 35, .	4.0	81
33	Direct aerosol forcing: Calculation from observables and sensitivities to inputs. Journal of Geophysical Research, 2008, 113, .	3.3	157
34	Aerosol direct radiative effects over the northwest Atlantic, northwest Pacific, and North Indian Oceans: estimates based on in-situ chemical and optical measurements and chemical transport modeling. Atmospheric Chemistry and Physics, 2006, 6, 1657-1732.	4.9	135