

Betty Croft

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

1,289
citations

471509

17
h-index

713466

21
g-index

41
all docs

41
docs citations

41
times ranked

2106
citing authors

#	ARTICLE	IF	CITATIONS
1	Factors controlling marine aerosol size distributions and their climate effects over the northwest Atlantic Ocean region. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 1889-1916.	4.9	14
2	Characterizing Atmospheric Aerosols off the Atlantic Canadian Coast During C-FOG. <i>Boundary-Layer Meteorology</i> , 2021, 181, 345-364.	2.3	1
3	Beyond SO _x reductions from shipping: assessing the impact of NO _x and carbonaceous-particle controls on human health and climate. <i>Environmental Research Letters</i> , 2020, 15, 124046.	5.2	13
4	Unprecedented Atmospheric Ammonia Concentrations Detected in the High Arctic From the 2017 Canadian Wildfires. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8178-8202.	3.3	25
5	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3137-3160.	4.9	86
6	Arctic marine secondary organic aerosol contributes significantly to summertime particle size distributions in the Canadian Arctic Archipelago. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2787-2812.	4.9	38
7	Overview paper: New insights into aerosol and climate in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2527-2560.	4.9	134
8	Multidecadal trends in aerosol radiative forcing over the Arctic: Contribution of changes in anthropogenic aerosol to Arctic warming since 1980. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3573-3594.	3.3	70
9	Boundary layer and free-tropospheric dimethyl sulfide in the Arctic spring and summer. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8757-8770.	4.9	8
10	Contribution of Arctic seabird-colony ammonia to atmospheric particles and cloud-albedo radiative effect. <i>Nature Communications</i> , 2016, 7, 13444.	12.8	81
11	Ammonia in the summertime Arctic marine boundary layer: sources, sinks, and implications. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1937-1953.	4.9	57
12	Evaluation of observed and modelled aerosol lifetimes using radioactive tracers of opportunity and an ensemble of 19 global models. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3525-3561.	4.9	75
13	Processes controlling the annual cycle of Arctic aerosol number and size distributions. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3665-3682.	4.9	115
14	Dimethyl sulfide in the summertime Arctic atmosphere: measurements and source sensitivity simulations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6665-6680.	4.9	66
15	The importance of interstitial particle scavenging by cloud droplets in shaping the remote aerosol size distribution and global aerosol-climate effects. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6147-6158.	4.9	36
16	Interpreting aerosol lifetimes using the GEOS-Chem model and constraints from radionuclide measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4313-4325.	4.9	29
17	Uncertainty associated with convective wet removal of entrained aerosols in a global climate model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10725-10748.	4.9	43
18	Experimental Study of Collection Efficiencies between Submicron Aerosols and Cloud Droplets. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 1853-1864.	1.7	43

#	ARTICLE	IF	CITATIONS
19	Influences of in-cloud aerosol scavenging parameterizations on aerosol concentrations and wet deposition in ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1511-1543.	4.9	109
20	Aerosol size-dependent below-cloud scavenging by rain and snow in the ECHAM5-HAM. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4653-4675.	4.9	129
21	Global simulations of aerosol processing in clouds. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6939-6963.	4.9	71
22	Parameterizing the optical properties of carbonaceous aerosols in the Canadian Centre for Climate Modeling and Analysis Atmospheric General Circulation Model with impacts on global radiation and energy fluxes. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	19