

# Betty Croft

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5750170/publications.pdf>

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	Overview paper: New insights into aerosol and climate in the Arctic. Atmospheric Chemistry and Physics, 2019, 19, 2527-2560.	4.9	134
2	Aerosol size-dependent below-cloud scavenging by rain and snow in the ECHAM5-HAM. Atmospheric Chemistry and Physics, 2009, 9, 4653-4675.	4.9	129
3	Processes controlling the annual cycle of Arctic aerosol number and size distributions. Atmospheric Chemistry and Physics, 2016, 16, 3665-3682.	4.9	115
4	Influences of in-cloud aerosol scavenging parameterizations on aerosol concentrations and wet deposition in ECHAM5-HAM. Atmospheric Chemistry and Physics, 2010, 10, 1511-1543.	4.9	109
5	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings. Atmospheric Chemistry and Physics, 2019, 19, 3137-3160.	4.9	86
6	Contribution of Arctic seabird-colony ammonia to atmospheric particles and cloud-albedo radiative effect. Nature Communications, 2016, 7, 13444.	12.8	81
7	Evaluation of observed and modelled aerosol lifetimes using radioactive tracers of opportunity and an ensemble of 19 global models. Atmospheric Chemistry and Physics, 2016, 16, 3525-3561.	4.9	75
8	Global simulations of aerosol processing in clouds. Atmospheric Chemistry and Physics, 2008, 8, 6939-6963.	4.9	71
9	Multidecadal trends in aerosol radiative forcing over the Arctic: Contribution of changes in anthropogenic aerosol to Arctic warming since 1980. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3573-3594.	3.3	70
10	Dimethyl sulfide in the summertime Arctic atmosphere: measurements and source sensitivity simulations. Atmospheric Chemistry and Physics, 2016, 16, 6665-6680.	4.9	66
11	Ammonia in the summertime Arctic marine boundary layer: sources, sinks, and implications. Atmospheric Chemistry and Physics, 2016, 16, 1937-1953.	4.9	57
12	Experimental Study of Collection Efficiencies between Submicron Aerosols and Cloud Droplets. Journals of the Atmospheric Sciences, 2011, 68, 1853-1864.	1.7	43
13	Uncertainty associated with convective wet removal of entrained aerosols in a global climate model. Atmospheric Chemistry and Physics, 2012, 12, 10725-10748.	4.9	43
14	Arctic marine secondary organic aerosol contributes significantly to summertime particle size distributions in the Canadian Arctic Archipelago. Atmospheric Chemistry and Physics, 2019, 19, 2787-2812.	4.9	38
15	The importance of interstitial particle scavenging by cloud droplets in shaping the remote aerosol size distribution and global aerosol-climate effects. Atmospheric Chemistry and Physics, 2015, 15, 6147-6158.	4.9	36
16	Interpreting aerosol lifetimes using the GEOS-Chem model and constraints from radionuclide measurements. Atmospheric Chemistry and Physics, 2014, 14, 4313-4325.	4.9	29
17	Unprecedented Atmospheric Ammonia Concentrations Detected in the High Arctic From the 2017 Canadian Wildfires. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8178-8202.	3.3	25
18	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. Journal of Geophysical Research, 2007, 112, .	3.3	19

#	ARTICLE	IF	CITATIONS
19	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
20	Beyond SO <sub>x</sub> reductions from shipping: assessing the impact of NO <sub>x</sub> and carbonaceous-particle controls on human health and climate. <i>Environmental Research Letters</i> , 2020, 15, 124046.	5.2	13
21	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
22	Characterizing Atmospheric Aerosols off the Atlantic Canadian Coast During C-FOG. <i>Boundary-Layer Meteorology</i> , 2021, 181, 345-364.	2.3	1