

# Kristen N Collier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1526209/publications.pdf>

Version: 2024-02-01

16  
papers

609  
citations

840776

11  
h-index

940533

16  
g-index

16  
all docs

16  
docs citations

16  
times ranked

1135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous freezing of ice on atmospheric aerosols containing ash, soot, and soil. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	140
2	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	111
3	Marine Aerosols and Clouds. <i>Annual Review of Marine Science</i> , 2018, 10, 289-313.	11.6	82
4	Effects of Chemical Aging on the Ice Nucleation Activity of Soot and Polycyclic Aromatic Hydrocarbon Aerosols. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10036-10047.	2.5	43
5	Raman spectroscopy of glyoxal oligomers in aqueous solutions. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 101, 40-48.	3.9	37
6	Using Raman Microspectroscopy to Determine Chemical Composition and Mixing State of Airborne Marine Aerosols over the Pacific Ocean. <i>Aerosol Science and Technology</i> , 2014, 48, 193-206.	3.1	36
7	Examinations of ice formation processes in Florida cumuli using ice nuclei measurements of anvil ice crystal particle residues. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
8	Ice Nucleation by Marine Aerosols Over the North Atlantic Ocean in Late Spring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030913.	3.3	30
9	Protein and Carbohydrate Exopolymer Particles in the Sea Surface Microlayer (SML). <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	26
10	Role of Organic Hydrocarbons in Atmospheric Ice Formation via Contact Freezing. <i>Journal of Physical Chemistry A</i> , 2016, 120, 10169-10180.	2.5	16
11	Ocean Aerobiology. <i>Frontiers in Microbiology</i> , 2021, 12, 764178.	3.5	14
12	Role of Sea Surface Microlayer Properties in Cloud Formation. <i>Frontiers in Marine Science</i> , 2021, 7, .	2.5	13
13	Analysis of nickel (II) in particulate matter by Raman microspectroscopy. <i>Journal of Aerosol Science</i> , 2014, 67, 207-214.	3.8	9
14	Single Particle Measurements of the Optical Properties of Small Ice Crystals and Heterogeneous Ice Nuclei. <i>Aerosol Science and Technology</i> , 2014, 48, 1123-1132.	3.1	8
15	Using Surface Tension Measurements To Understand How Pollution Can Influence Cloud Formation, Fog, and Precipitation. <i>Journal of Chemical Education</i> , 2009, 86, 838.	2.3	7
16	Editorial: Unraveling Mechanisms Underlying Annual Plankton Blooms in the North Atlantic and Their Implications for Biogenic Aerosol Properties and Cloud Formation. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	3