

# Elizabeth B Wiggins

## List of Publications by Year in descending order

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Version: 2024-02-01

18  
papers

634  
citations

686830

13  
h-index

839053

18  
g-index

21  
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21  
docs citations

21  
times ranked

1221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser imaging nephelometer for aircraft deployment. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1093-1105.	1.2	4
2	North Atlantic Ocean SST-gradient-driven variations in aerosol and cloud evolution along Lagrangian cold-air outbreak trajectories. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2795-2815.	1.9	4
3	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. <i>Environmental Science &amp; Technology</i> , 2022, 56, 7564-7577.	4.6	15
4	Characteristics and evolution of brown carbon in western United States wildfires. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8009-8036.	1.9	21
5	Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 831-851.	1.9	15
6	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 1545-1559.	1.2	20
7	Boreal forest fire CO and CH <sub>4</sub> emission factors derived from tower observations in Alaska during the extreme fire season of 2015. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8557-8574.	1.9	17
8	Sizing response of the Ultra-High Sensitivity Aerosol Spectrometer (UHSAS) and Laser Aerosol Spectrometer (LAS) to changes in submicron aerosol composition and refractive index. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4517-4542.	1.2	28
9	Evaluation and intercomparison of wildfire smoke forecasts from multiple modeling systems for the 2019 Williams Flats fire. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14427-14469.	1.9	37
10	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16293-16317.	1.9	34
11	Reconciling Assumptions in Bottom-Up and Top-Down Approaches for Estimating Aerosol Emission Rates From Wildland Fires Using Observations From FIREX-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	1.2	10
12	High Temporal Resolution Satellite Observations of Fire Radiative Power Reveal Link Between Fire Behavior and Aerosol and Gas Emissions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090707.	1.5	30
13	Wildfire Smoke Particle Properties and Evolution, From Space-Based Multi-Angle Imaging II: The Williams Flats Fire during the FIREX-AQ Campaign. <i>Remote Sensing</i> , 2020, 12, 3823.	1.8	18
14	Coupling an online ion conductivity measurement with the particle-into-liquid sampler: Evaluation and modeling using laboratory and field aerosol data. <i>Aerosol Science and Technology</i> , 2020, 54, 1542-1555.	1.5	5
15	Smoke radiocarbon measurements from Indonesian fires provide evidence for burning of millennia-aged peat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 12419-12424.	3.3	52
16	Lightning as a major driver of recent large fire years in North American boreal forests. <i>Nature Climate Change</i> , 2017, 7, 529-534.	8.1	285
17	The influence of daily meteorology on boreal fire emissions and regional trace gas variability. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 2793-2810.	1.3	9
18	Black carbon aerosol dynamics and isotopic composition in Alaska linked with boreal fire emissions and depth of burn in organic soils. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1977-2000.	1.9	23