Elizabeth B Wiggins

List of Publications by Year
in descending order

18	634	686830 13	839053 18
papers	citations	h-index	g-index

21	21	21	1221
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Lightning as a major driver of recent large fire years in North American boreal forests. Nature Climate Change, 2017, 7, 529-534.	8.1	285
2	Smoke radiocarbon measurements from Indonesian fires provide evidence for burning of millennia-aged peat. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 12419-12424.	3.3	52
3	Evaluation and intercomparison of wildfire smoke forecasts from multiple modeling systems for the 2019 Williams Flats fire. Atmospheric Chemistry and Physics, 2021, 21, 14427-14469.	1.9	37
4	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. Atmospheric Chemistry and Physics, 2021, 21, 16293-16317.	1.9	34
5	High Temporal Resolution Satellite Observations of Fire Radiative Power Reveal Link Between Fire Behavior and Aerosol and Gas Emissions. Geophysical Research Letters, 2020, 47, e2020GL090707.	1.5	30
6	Sizing response of the Ultra-High Sensitivity Aerosol Spectrometer (UHSAS) and Laser Aerosol Spectrometer (LAS) to changes in submicron aerosol composition and refractive index. Atmospheric Measurement Techniques, 2021, 14, 4517-4542.	1.2	28
7	Black carbon aerosol dynamics and isotopic composition in Alaska linked with boreal fire emissions and depth of burn in organic soils. Global Biogeochemical Cycles, 2015, 29, 1977-2000.	1.9	23
8	Characteristics and evolution of brown carbon in western United States wildfires. Atmospheric Chemistry and Physics, 2022, 22, 8009-8036.	1.9	21
9	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. Atmospheric Measurement Techniques, 2021, 14, 1545-1559.	1.2	20
10	Wildfire Smoke Particle Properties and Evolution, From Space-Based Multi-Angle Imaging II: The Williams Flats Fire during the FIREX-AQ Campaign. Remote Sensing, 2020, 12, 3823.	1.8	18
11	Boreal forest fire CO and CH₄ emission factors derived from tower observations in Alaska during the extreme fire season of 2015. Atmospheric Chemistry and Physics, 2021, 21, 8557-8574.	1.9	17
12	Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. Atmospheric Chemistry and Physics, 2021, 21, 831-851.	1.9	15
13	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. Environmental Science & Technology, 2022, 56, 7564-7577.	4.6	15
14	Reconciling Assumptions in Bottomâ€Up and Topâ€Down Approaches for Estimating Aerosol Emission Rates From Wildland Fires Using Observations From FIREXâ€AQ. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	1.2	10
15	The influence of daily meteorology on boreal fire emissions and regional trace gas variability. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 2793-2810.	1.3	9
16	Coupling an online ion conductivity measurement with the particle-into-liquid sampler: Evaluation and modeling using laboratory and field aerosol data. Aerosol Science and Technology, 2020, 54, 1542-1555.	1.5	5
17	Laser imaging nephelometer for aircraft deployment. Atmospheric Measurement Techniques, 2022, 15, 1093-1105.	1.2	4
18	North Atlantic Ocean SST-gradient-driven variations in aerosol and cloud evolution along Lagrangian cold-air outbreak trajectories. Atmospheric Chemistry and Physics, 2022, 22, 2795-2815.	1.9	4