

# Taylor Shingler

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

736  
citations

516681

16  
h-index

677123

22  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1114  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying chemical aerosol signatures using optical suborbital observations: how much can optical properties tell us about aerosol composition?. Atmospheric Chemistry and Physics, 2022, 22, 3713-3742.	4.9	6
2	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. Environmental Science & Technology, 2022, 56, 7564-7577.	10.0	15
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.	4.9	37
4	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035203.	3.3	16
5	On Assessing ERA5 and MERRA2 Representations of Cold-Air Outbreaks Across the Gulf Stream. Geophysical Research Letters, 2021, 48, e2021GL094364.	4.0	19
6	Biomass Burning Over the United States East Coast and Western North Atlantic Ocean: Implications for Clouds and Air Quality. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD034916.	3.3	10
7	Ozone chemistry in western U.S. wildfire plumes. Science Advances, 2021, 7, eabl3648.	10.3	45
8	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.	3.1	5
9	Atmospheric Research Over the Western North Atlantic Ocean Region and North American East Coast: A Review of Past Work and Challenges Ahead. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031626.	3.3	35
10	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. Atmospheric Chemistry and Physics, 2018, 18, 14493-14510.	4.9	18
11	Is there an aerosol signature of chemical cloud processing?. Atmospheric Chemistry and Physics, 2018, 18, 16099-16119.	4.9	30
12	Development and characterization of a high-efficiency, aircraft-based axial cyclone cloud water collector. Atmospheric Measurement Techniques, 2018, 11, 5025-5048.	3.1	14
13	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12 Åkm. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8283-8300.	3.3	24
14	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1086-1097.	3.3	21
15	Analysis of remotely sensed and surface data of aerosols and meteorology for the Mexico Megalopolis Area between 2003 and 2015. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8705-8723.	3.3	20
16	Hygroscopic Properties and Respiratory System Deposition Behavior of Particulate Matter Emitted By Mining and Smelting Operations. Environmental Science & Technology, 2016, 50, 11706-11713.	10.0	37
17	Airborne characterization of subsaturated aerosol hygroscopicity and dry refractive index from the surface to 6.5 Åkm during the SEAC <sup>4</sup> RS campaign. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4188-4210.	3.3	67
18	Ambient observations of hygroscopic growth factor and $\kappa$ (RH) below 1: Case studies from surface and airborne measurements. Journal of Geophysical Research D: Atmospheres, 2016, 121, 661-677.	3.3	25

#	ARTICLE	IF	CITATIONS
19	Surface and airborne measurements of organosulfur and methanesulfonate over the western United States and coastal areas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 8535-8548.	3.3	58
20	A Multi-Year Aerosol Characterization for the Greater Tehran Area Using Satellite, Surface, and Modeling Data. <i>Atmosphere</i> , 2014, 5, 178-197.	2.3	79
21	Eastern Pacific Emitted Aerosol Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 709-729.	3.3	89
22	Hygroscopic and Chemical Properties of Aerosols Collected near a Copper Smelter: Implications for Public and Environmental Health. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9473-9480.	10.0	66