

Taylor Shingler

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

736
citations

586496

16
h-index

759306

22
g-index

23
all docs

23
docs citations

23
times ranked

1264
citing authors

#	ARTICLE	IF	CITATIONS
1	Identifying chemical aerosol signatures using optical suborbital observations: how much can optical properties tell us about aerosol composition?. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3713-3742.	1.9	6
2	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. <i>Environmental Science & Technology</i> , 2022, 56, 7564-7577.	4.6	15
3	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
4	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035203.	1.2	16
5	On Assessing ERA5 and MERRA2 Representations of Cold-Air Outbreaks Across the Gulf Stream. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094364.	1.5	19
6	Biomass Burning Over the United States East Coast and Western North Atlantic Ocean: Implications for Clouds and Air Quality. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034916.	1.2	10
7	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021, 7, eabl3648.	4.7	45
8	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
9	Atmospheric Research Over the Western North Atlantic Ocean Region and North American East Coast: A Review of Past Work and Challenges Ahead. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031626.	1.2	35
10	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14493-14510.	1.9	18
11	Is there an aerosol signature of chemical cloud processing?. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16099-16119.	1.9	30
12	Development and characterization of a high-efficiency, aircraft-based axial cyclone cloud water collector. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5025-5048.	1.2	14
13	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12 km. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8283-8300.	1.2	24
14	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1086-1097.	1.2	21
15	Analysis of remotely sensed and surface data of aerosols and meteorology for the Mexico Megalopolis Area between 2003 and 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8705-8723.	1.2	20
16	Hygroscopic Properties and Respiratory System Deposition Behavior of Particulate Matter Emitted By Mining and Smelting Operations. <i>Environmental Science & Technology</i> , 2016, 50, 11706-11713.	4.6	37
17	Airborne characterization of subsaturated aerosol hygroscopicity and dry refractive index from the surface to 6.5 km during the SEAC4RS campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4188-4210.	1.2	67
18	Ambient observations of hygroscopic growth factor and relative humidity (RH) below 1: Case studies from surface and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 661-677.	1.2	25

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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.	1.2	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.	1.0	79
21	Eastern Pacific Emitted Aerosol Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , 2013, 94, 709-729.	1.7	89
22	Hygroscopic and Chemical Properties of Aerosols Collected near a Copper Smelter: Implications for Public and Environmental Health. <i>Environmental Science & Technology</i> , 2012, 46, 9473-9480.	4.6	66