

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	Eastern Pacific Emitted Aerosol Cloud Experiment. Bulletin of the American Meteorological Society, 2013, 94, 709-729.	3.3	89
2	A Multi-Year Aerosol Characterization for the Greater Tehran Area Using Satellite, Surface, and Modeling Data. Atmosphere, 2014, 5, 178-197.	2.3	79
3	Airborne characterization of subsaturated aerosol hygroscopicity and dry refractive index from the surface to 6.5 km during the SEAC ⁴ RS campaign. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4188-4210.	3.3	67
4	Hygroscopic and Chemical Properties of Aerosols Collected near a Copper Smelter: Implications for Public and Environmental Health. Environmental Science & Technology, 2012, 46, 9473-9480.	10.0	66
5	Surface and airborne measurements of organosulfur and methanesulfonate over the western United States and coastal areas. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8535-8548.	3.3	58
6	Ozone chemistry in western U.S. wildfire plumes. Science Advances, 2021, 7, eabl3648.	10.3	45
7	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
8	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
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	Is there an aerosol signature of chemical cloud processing?. Atmospheric Chemistry and Physics, 2018, 18, 16099-16119.	4.9	30
11	Ambient observations of hygroscopic growth factor and κ (RH) below 1: Case studies from surface and airborne measurements. Journal of Geophysical Research D: Atmospheres, 2016, 121, 661-677.	3.3	25
12	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12 km. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8283-8300.	3.3	24
13	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
14	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
15	On Assessing ERA5 and MERRA2 Representations of Cold-Air Outbreaks Across the Gulf Stream. Geophysical Research Letters, 2021, 48, e2021GL094364.	4.0	19
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Development and characterization of a high-efficiency, aircraft-based axial cyclone cloud water collector. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5025-5048.	3.1	14
20	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.	3.3	10
21	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.	4.9	6
22	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.	3.1	5