

Matthew S Johnson

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

618
citations

759233

12
h-index

940533

16
g-index

17
all docs

17
docs citations

17
times ranked

1136
citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrogenic iron: The missing link to high iron solubility in aerosols. <i>Science Advances</i> , 2019, 5, eaau7671.	10.3	128
2	A multiparameter aerosol classification method and its application to retrievals from spaceborne polarimetry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 9838-9863.	3.3	105
3	Modeling dust and soluble iron deposition to the South Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	72
4	Reviews and syntheses: the GESAMP atmospheric iron deposition model intercomparison study. <i>Biogeosciences</i> , 2018, 15, 6659-6684.	3.3	63
5	Four years of global carbon cycle observed from the Orbiting Carbon Observatory 2 (OCO-2) version 9 and in situ data and comparison to OCO-2 version 7. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1097-1130.	4.9	44
6	Validation of the TOLNet lidars: the Southern California Ozone Observation Project (SCOOP). <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6137-6162.	3.1	40
7	Long-range transport of Siberian biomass burning emissions to North America during FIREX-AQ. <i>Atmospheric Environment</i> , 2021, 252, 118241.	4.1	37
8	Prior biosphere model impact on global terrestrial CO ₂ fluxes estimated from OCO-2 retrievals. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 13267-13287.	4.9	28
9	On the role of atmospheric model transport uncertainty in estimating the Chinese land carbon sink. <i>Nature</i> , 2022, 603, E13-E14.	27.8	21
10	Summertime tropospheric ozone enhancement associated with a cold front passage due to stratosphere-to-troposphere transport and biomass burning: Simultaneous ground-based lidar and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1293-1311.	3.3	17
11	Evaluating Summer-Time Ozone Enhancement Events in the Southeast United States. <i>Atmosphere</i> , 2016, 7, 108.	2.3	15
12	Influence of measurement uncertainties on fractional solubility of iron in mineral aerosols over the oceans. <i>Aeolian Research</i> , 2016, 22, 85-92.	2.7	15
13	OCO-2 Satellite-Imposed Constraints on Terrestrial Biospheric CO ₂ Fluxes Over South Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	12
14	Evaluation of potential sources of a priori ozone profiles for TEMPO tropospheric ozone retrievals. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 3457-3477.	3.1	9
15	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
16	Multi-Season Evaluation of CO ₂ Weather in OCO-2 MIP Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	5