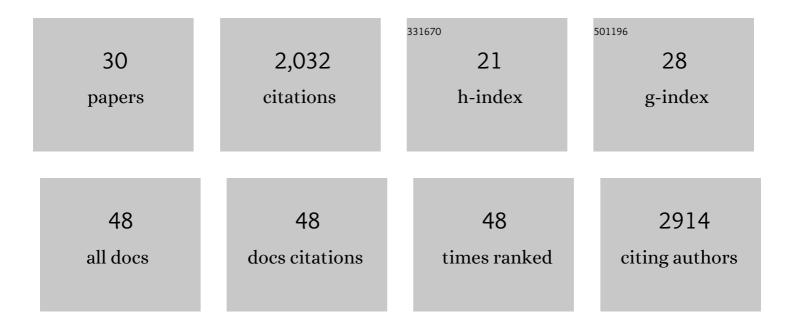
Tianle Yuan

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Dominant role by vertical wind shear in regulating aerosol effects on deep convective clouds. Journal of Geophysical Research, 2009, 114, .	3.3	265
2	The fertilizing role of African dust in the Amazon rainforest: A first multiyear assessment based on data from Cloudâ€Aerosol Lidar and Infrared Pathfinder Satellite Observations. Geophysical Research Letters, 2015, 42, 1984-1991.	4.0	251
3	Aerosols from Overseas Rival Domestic Emissions over North America. Science, 2012, 337, 566-569.	12.6	213
4	Observational evidence of aerosol enhancement of lightning activity and convective invigoration. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	155
5	Preface to special section on East Asian Studies of Tropospheric Aerosols: An International Regional Experiment (EASTâ€AIRE). Journal of Geophysical Research, 2007, 112, .	3.3	151
6	Quantification of trans-Atlantic dust transport from seven-year (2007–2013) record of CALIPSO lidar measurements. Remote Sensing of Environment, 2015, 159, 232-249.	11.0	146
7	Increase of cloud droplet size with aerosol optical depth: An observation and modeling study. Journal of Geophysical Research, 2008, 113, .	3.3	138
8	Microphysical, macrophysical and radiative signatures of volcanic aerosols in trade wind cumulus observed by the A-Train. Atmospheric Chemistry and Physics, 2011, 11, 7119-7132.	4.9	108
9	Positive low cloud and dust feedbacks amplify tropical North Atlantic Multidecadal Oscillation. Geophysical Research Letters, 2016, 43, 1349-1356.	4.0	99
10	Estimates of African Dust Deposition Along the Transâ€Atlantic Transit Using the Decadelong Record of Aerosol Measurements from CALIOP, MODIS, MISR, and IASI. Journal of Geophysical Research D: Atmospheres, 2019, 124, 7975-7996.	3.3	68
11	Opportunistic experiments to constrain aerosol effective radiative forcing. Atmospheric Chemistry and Physics, 2022, 22, 641-674.	4.9	44
12	General Macro- and Microphysical Properties of Deep Convective Clouds as Observed by MODIS. Journal of Climate, 2010, 23, 3457-3473.	3.2	42
13	An integrated analysis of aerosol above clouds from A-Train multi-sensor measurements. Remote Sensing of Environment, 2012, 121, 125-131.	11.0	40
14	Interannual variability and trends of combustion aerosol and dust in major continental outflows revealed by MODIS retrievals and CAM5 simulations during 2003–2017. Atmospheric Chemistry and Physics, 2020, 20, 139-161.	4.9	38
15	On the global character of overlap between low and high clouds. Geophysical Research Letters, 2013, 40, 5320-5326.	4.0	36
16	Reconstruction of Cloud Vertical Structure With a Generative Adversarial Network. Geophysical Research Letters, 2019, 46, 7035-7044.	4.0	30
17	Estimating glaciation temperature of deep convective clouds with remote sensing data. Geophysical Research Letters, 2010, 37, .	4.0	28
18	The Sensitivity of Hurricane Irene to Aerosols and Ocean Coupling: Simulations with WRF Spectral Bin Microphysics. Journals of the Atmospheric Sciences, 2016, 73, 467-486.	1.7	27

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#	Article	IF	CITATIONS
19	Observation and modeling of the historic "Godzilla―African dust intrusion into the Caribbean Basin and the southern US in June 2020. Atmospheric Chemistry and Physics, 2021, 21, 12359-12383.	4.9	27
20	Aerosol indirect effect on tropospheric ozone via lightning. Journal of Geophysical Research, 2012, 117, .	3.3	24
21	Observations of Local Positive Low Cloud Feedback Patterns and Their Role in Internal Variability and Climate Sensitivity. Geophysical Research Letters, 2018, 45, 4438-4445.	4.0	23
22	Automatically Finding Ship Tracks to Enable Largeâ€Scale Analysis of Aerosol loud Interactions. Geophysical Research Letters, 2019, 46, 7726-7733.	4.0	18
23	MODIS Retrievals of Cloud Effective Radius in Marine Stratocumulus Exhibit No Significant Bias. Geophysical Research Letters, 2018, 45, 10,656.	4.0	15
24	Vertical distribution of the particle phase in tropical deep convective clouds as derived from cloud-side reflected solar radiation measurements. Atmospheric Chemistry and Physics, 2017, 17, 9049-9066.	4.9	14
25	Applying deep learning to NASA MODIS data to create a community record of marine low-cloud mesoscale morphology. Atmospheric Measurement Techniques, 2020, 13, 6989-6997.	3.1	9
26	Effect of volcanic emissions on clouds during the 2008Âand 2018ÂKilauea degassing events. Atmospheric Chemistry and Physics, 2021, 21, 7749-7771.	4.9	8
27	Identifying meteorological influences on marine low-cloud mesoscale morphology using satellite classifications. Atmospheric Chemistry and Physics, 2021, 21, 9629-9642.	4.9	6
28	Anthropogenic Decline of African Dust: Insights From the Holocene Records and Beyond. Geophysical Research Letters, 2020, 47, e2020GL089711.	4.0	5
29	Current and Future Perspectives of Aerosol Research at NASA Goddard Space Flight Center. Bulletin of the American Meteorological Society, 2014, 95, ES203-ES207.	3.3	0
30	MISR Radiance Anomalies Induced by Stratospheric Volcanic Aerosols. Remote Sensing, 2018, 10, 1875.	4.0	0