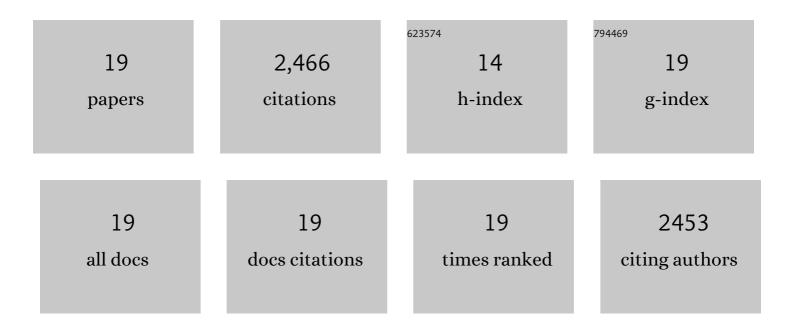
## Matthew J Mcgill

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Aerosol and Cloud Detection Using Machine Learning Algorithms and Space-Based Lidar Data. Atmosphere, 2021, 12, 606.	1.0	16
2	Atmospheric Carbon and Transport – America (ACTâ€America) Data Sets: Description, Management, and Delivery. Earth and Space Science, 2021, 8, e2020EA001634.	1.1	15
3	First retrieval of absorbing aerosol height over dark target using TROPOMI oxygen B band: Algorithm development and application for surface particulate matter estimates. Remote Sensing of Environment, 2021, 265, 112674.	4.6	13
4	Observation and quantification of aerosol outflow from southern Africa using spaceborne lidar. South African Journal of Science, 2020, 116, .	0.3	4
5	Sensitivities in Satellite Lidarâ€Derived Estimates of Daytime Topâ€ofâ€theâ€Atmosphere Optically Thin Cirrus Cloud Radiative Forcing: A Case Study. Geophysical Research Letters, 2020, 47, e2020GL088871.	1.5	5
6	Models transport Saharan dust too low in the atmosphere: a comparison of the MetUM and CAMS forecasts with observations. Atmospheric Chemistry and Physics, 2020, 20, 12955-12982.	1.9	24
7	Radiative Forcing and Stratospheric Warming of Pyrocumulonimbus Smoke Aerosols: First Modeling Results With Multisensor (EPIC, CALIPSO, and CATS) Views from Space. Geophysical Research Letters, 2019, 46, 10061-10071.	1.5	44
8	Cloud-Aerosol Transport System (CATS) 1064 nm calibration and validation. Atmospheric Measurement Techniques, 2019, 12, 6241-6258.	1.2	31
9	An overview of the CATS level 1 processing algorithms and data products. Geophysical Research Letters, 2016, 43, 4632-4639.	1.5	93
10	The Cloud-Aerosol Transport System (CATS): a technology demonstration on the International Space Station. Proceedings of SPIE, 2015, , .	0.8	57
11	Airborne validation of cirrus cloud properties derived from CALIPSO lidar measurements: Optical properties. Journal of Geophysical Research, 2012, 117, .	3.3	18
12	Airborne validation of cirrus cloud properties derived from CALIPSO lidar measurements: Spatial properties. Journal of Geophysical Research, 2011, 116, .	3.3	35
13	Statistics of Cloud Optical Properties from Airborne Lidar Measurements. Journal of Atmospheric and Oceanic Technology, 2011, 28, 869-883.	0.5	55
14	Fully Automated Detection of Cloud and Aerosol Layers in the CALIPSO Lidar Measurements. Journal of Atmospheric and Oceanic Technology, 2009, 26, 2034-2050.	0.5	484
15	Initial performance assessment of CALIOP. Geophysical Research Letters, 2007, 34, .	1.5	1,121
16	Airborne validation of spatial properties measured by the CALIPSO lidar. Journal of Geophysical Research, 2007, 112, .	3.3	144
17	Combined lidar-radar remote sensing: Initial results from CRYSTAL-FACE. Journal of Geophysical Research, 2004, 109, .	3.3	66
18	Airborne lidar measurements of aerosol optical properties during SAFARI-2000. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	64

#	Article	IF	CITATIONS
19	Cloud Physics Lidar: instrument description and initial measurement results. Applied Optics, 2002, 41, 3725.	2.1	177