

# Michael C Pitts

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

1,422  
citations

687363  
13  
h-index

677142  
22  
g-index

42  
all docs

42  
docs citations

42  
times ranked

1899  
citing authors

#	ARTICLE	IF	CITATIONS
1	On the best locations for ground-based polar stratospheric cloud (PSC) observations. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 505-516.	4.9	5
2	Quasi-coincident observations of polar stratospheric clouds by ground-based lidar and CALIOP at Concordia (Dome C, Antarctica) from 2014 to 2018. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 2165-2178.	4.9	7
3	Evaluation of polar stratospheric clouds in the global chemistry–climate model SOCOLv3.1 by comparison with CALIPSO spaceborne lidar measurements. <i>Geoscientific Model Development</i> , 2021, 14, 935-959.	3.6	7
4	Polar Stratospheric Clouds: Satellite Observations, Processes, and Role in Ozone Depletion. <i>Reviews of Geophysics</i> , 2021, 59, e2020RG000702.	23.0	49
5	Lagrangian simulation of ice particles and resulting dehydration in the polar winter stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 543-563.	4.9	13
6	Comparison of Antarctic polar stratospheric cloud observations by ground-based and space-borne lidar and relevance for chemistry–climate models. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 955-972.	4.9	14
7	A climatology of polar stratospheric cloud composition between 2002 and 2012 based on MIPAS/Envisat observations. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5089-5113.	4.9	38
8	Widespread polar stratospheric ice clouds in the 2015–2016 Arctic winter – implications for ice nucleation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15623-15641.	4.9	18
9	The MIPAS/Envisat climatology (2002–2012) of polar stratospheric cloud volume density profiles. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5901-5923.	3.1	5
10	The CALIPSO version 4 automated aerosol classification and lidar ratio selection algorithm. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6107-6135.	3.1	334
11	Polar stratospheric cloud climatology based on CALIPSO spaceborne lidar measurements from 2006 to 2017. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10881-10913.	4.9	55
12	Multilevel Cloud Structures over Svalbard. <i>Monthly Weather Review</i> , 2017, 145, 1149-1159.	1.4	24
13	Development of a Polar Stratospheric Cloud Model Within the Community Earth System Model: Assessment of 2010 Antarctic Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,418.	3.3	11
14	Comparing simulated PSC optical properties with CALIPSO observations during the 2010 Antarctic winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1175-1202.	3.3	14
15	Polar stratospheric cloud evolution and chlorine activation measured by CALIPSO and MLS, and modeled by ATLAS. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3311-3325.	4.9	15
16	Vortex-wide chlorine activation by a mesoscale PSC event in the Arctic winter of 2009/10. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4569-4577.	4.9	7
17	Spectroscopic evidence of large aspherical &lt;i>I</i> <sup>2</sup> &lt;i>I</i>-NAT particles involved in denitrification in the December 2011 Arctic stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9505-9532.	4.9	12
18	A multi-wavelength classification method for polar stratospheric cloud types using infrared limb spectra. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3619-3639.	3.1	21

#	ARTICLE	IF	CITATIONS
19	Unprecedented Arctic ozone loss in 2011. <i>Nature</i> , 2011, 478, 469-475.	27.8	572
20	Comment on "A tropical "NAT-like" belt observed from space" by H. Chepfer and V. Noel. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	7
21	A unified, long-term, high-latitude stratospheric aerosol and cloud database using SAM II, SAGE II, and POAM II/III data: Algorithm description, database definition, and climatology. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	55
22	Polar stratospheric cloud climatology based on Stratospheric Aerosol Measurement II observations from 1978 to 1989. <i>Journal of Geophysical Research</i> , 1994, 99, 13083.	3.3	121