Jean-Paul Vernier

List of Publications by Year
in descending order

24	1,245	471061 17	610482 24
papers	citations	h-index	g-index

25	25	25	2272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Variability of the Aerosol Content in the Tropical Lower Stratosphere from 2013 to 2019: Evidence of Volcanic Eruption Impacts. Atmosphere, 2022, 13, 250.	1.0	3
2	The Asian tropopause aerosol layer within the 2017 monsoon anticyclone: microphysical properties derived from aircraft-borne in situ measurements. Atmospheric Chemistry and Physics, 2021, 21, 15259-15282.	1.9	7
3	Detection of Aerosols in Antarctica From Longâ€Range Transport of the 2009 Australian Wildfires. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032542.	1.2	10
4	Impact of the 2018 Ambae Eruption on the Global Stratospheric Aerosol Layer and Climate. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032410.	1.2	22
5	Estimates of Regional Source Contributions to the Asian Tropopause Aerosol Layer Using a Chemical Transport Model. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031506.	1.2	18
6	Aerosol and cloud top height information of Envisat MIPAS measurements. Atmospheric Measurement Techniques, 2020, 13, 1243-1271.	1.2	6
7	Global Climate. Bulletin of the American Meteorological Society, 2020, 101, S9-S128.	1.7	61
8	Ash Particles Detected in the Tropical Lower Stratosphere. Geophysical Research Letters, 2018, 45, 11,483.	1.5	4
9	CALIPSO lidar calibration at 532â€‰nm: versionÂ4 nighttime algorithm. Atmospheric Measurement Techniques, 2018, 11, 1459-1479.	1.2	70
10	A global space-based stratospheric aerosol climatology: 1979â€“2016. Earth System Science Data, 2018, 10, 469-492.	3.7	141
11	Observing the Impact of Calbuco Volcanic Aerosols on South Polar Ozone Depletion in 2015. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,862.	1.2	32
12	Stratospheric aerosol data records for the climate change initiative: Development, validation and application to chemistry-climate modelling. Remote Sensing of Environment, 2017, 203, 296-321.	4.6	20
13	Long-range transport of stratospheric aerosols in the Southern Hemisphere following the 2015 Calbuco eruption. Atmospheric Chemistry and Physics, 2017, 17, 15019-15036.	1.9	32
14	Variability and evolution of the midlatitude stratospheric aerosol budget from 22 years of ground-based lidar and satellite observations. Atmospheric Chemistry and Physics, 2017, 17, 1829-1845.	1.9	55
15	Stratospheric aerosol-Observations, processes, and impact on climate. Reviews of Geophysics, 2016, 54, 278-335.	9.0	265
16	Monsoon circulations and tropical heterogeneous chlorine chemistry in the stratosphere. Geophysical Research Letters, 2016, 43, 12,624.	1.5	23
17	In situ and spaceâ€based observations of the Kelud volcanic plume: The persistence of ash in the lower stratosphere. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11104-11118.	1.2	50
18	Evidence of horizontal and vertical transport of water in the Southern Hemisphere tropical tropopause layer (TTL) from high-resolution balloon observations. Atmospheric Chemistry and Physics, 2016, 16, 12273-12286.	1.9	14

#	Article	IF	Citations
19	Observed multivariable signals of late 20th and early 21st century volcanic activity. Geophysical Research Letters, 2015, 42, 500-509.	1.5	50
20	Total volcanic stratospheric aerosol optical depths and implications for global climate change. Geophysical Research Letters, 2014, 41, 7763-7769.	1.5	159
21	High predictive skill of global surface temperature a year ahead. Geophysical Research Letters, 2013, 40, 761-767.	1.5	27
22	An introduction to the SCOUT-AMMA stratospheric aircraft, balloons and sondes campaign in West Africa, August 2006: rationale and roadmap. Atmospheric Chemistry and Physics, 2010, 10, 2237-2256.	1.9	58
23	Microphysical modeling of a midlatitude â€œpolar stratospheric cloudâ€•event: Comparisons against multiwavelength groundâ€based and spaceborne lidar data. Journal of Geophysical Research, 2009, 114, .	3.3	6
24	Tropical stratospheric aerosol layer from CALIPSO lidar observations. Journal of Geophysical Research, 2009, 114, .	3.3	112