

Jean-Paul Vernier

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,245
citations

471061

17
h-index

610482

24
g-index

25
all docs

25
docs citations

25
times ranked

2272
citing authors

#	ARTICLE	IF	CITATIONS
1	Stratospheric aerosol-Observations, processes, and impact on climate. <i>Reviews of Geophysics</i> , 2016, 54, 278-335.	9.0	265
2	Total volcanic stratospheric aerosol optical depths and implications for global climate change. <i>Geophysical Research Letters</i> , 2014, 41, 7763-7769.	1.5	159
3	A global space-based stratospheric aerosol climatology: 1979–2016. <i>Earth System Science Data</i> , 2018, 10, 469-492.	3.7	141
4	Tropical stratospheric aerosol layer from CALIPSO lidar observations. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	112
5	CALIPSO lidar calibration at 532 nm: version 4 nighttime algorithm. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 1459-1479.	1.2	70
6	Global Climate. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, S9-S128.	1.7	61
7	An introduction to the SCOUT-AMMA stratospheric aircraft, balloons and sondes campaign in West Africa, August 2006: rationale and roadmap. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2237-2256.	1.9	58
8	Variability and evolution of the midlatitude stratospheric aerosol budget from 22 years of ground-based lidar and satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1829-1845.	1.9	55
9	Observed multivariable signals of late 20th and early 21st century volcanic activity. <i>Geophysical Research Letters</i> , 2015, 42, 500-509.	1.5	50
10	In situ and space-based observations of the Kelud volcanic plume: The persistence of ash in the lower stratosphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11104-11118.	1.2	50
11	Observing the Impact of Calbuco Volcanic Aerosols on South Polar Ozone Depletion in 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,862.	1.2	32
12	Long-range transport of stratospheric aerosols in the Southern Hemisphere following the 2015 Calbuco eruption. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15019-15036.	1.9	32
13	High predictive skill of global surface temperature a year ahead. <i>Geophysical Research Letters</i> , 2013, 40, 761-767.	1.5	27
14	Monsoon circulations and tropical heterogeneous chlorine chemistry in the stratosphere. <i>Geophysical Research Letters</i> , 2016, 43, 12,624.	1.5	23
15	Impact of the 2018 Ambae Eruption on the Global Stratospheric Aerosol Layer and Climate. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032410.	1.2	22
16	Stratospheric aerosol data records for the climate change initiative: Development, validation and application to chemistry-climate modelling. <i>Remote Sensing of Environment</i> , 2017, 203, 296-321.	4.6	20
17	Estimates of Regional Source Contributions to the Asian Tropopause Aerosol Layer Using a Chemical Transport Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031506.	1.2	18
18	Evidence of horizontal and vertical transport of water in the Southern Hemisphere tropical tropopause layer (TTL) from high-resolution balloon observations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12273-12286.	1.9	14

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19	Detection of Aerosols in Antarctica From Long-Range Transport of the 2009 Australian Wildfires. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032542.	1.2	10
20	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
21	Microphysical modeling of a midlatitude â€œpolar stratospheric cloudâ€ event: Comparisons against multiwavelength ground-based and spaceborne lidar data. Journal of Geophysical Research, 2009, 114, .	3.3	6
22	Aerosol and cloud top height information of Envisat MIPAS measurements. Atmospheric Measurement Techniques, 2020, 13, 1243-1271.	1.2	6
23	Ash Particles Detected in the Tropical Lower Stratosphere. Geophysical Research Letters, 2018, 45, 11,483.	1.5	4
24	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