

Juan Carlos Antuña-Marrero

List of Publications by Year in descending order

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56
papers

1,217
citations

623734

14
h-index

395702

33
g-index

61
all docs

61
docs citations

61
times ranked

1720
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiative forcing from the 1991 Mount Pinatubo volcanic eruption. <i>Journal of Geophysical Research</i> , 1998, 103, 13837-13857.	3.3	328
2	Stratospheric aerosol-Observations, processes, and impact on climate. <i>Reviews of Geophysics</i> , 2016, 54, 278-335.	23.0	265
3	Climate model simulation of winter warming and summer cooling following the 1991 Mount Pinatubo volcanic eruption. <i>Journal of Geophysical Research</i> , 1999, 104, 19039-19055.	3.3	181
4	Climatological features of global multiple tropopause events. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	50
5	Latin American Lidar Network (LALINET) for aerosol research: Diagnosis on network instrumentation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 138-139, 112-120.	1.6	46
6	Lidar validation of SAGE II aerosol measurements after the 1991 Mount Pinatubo eruption. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 3-1.	3.3	35
7	Spatial and temporal variability of the stratospheric aerosol cloud produced by the 1991 Mount Pinatubo eruption. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	25
8	Increase of upper troposphere/lower stratosphere wave baroclinicity during the second half of the 20th century. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9143-9153.	4.9	25
9	Global statistics of multiple tropopauses from the IGRA database. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	23
10	LALINET: The First Latin American "Born Regional Atmospheric Observational Network. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1255-1275.	3.3	22
11	Synergetic Aerosol Layer Observation After the 2015 Calbuco Volcanic Eruption Event. <i>Remote Sensing</i> , 2019, 11, 195.	4.0	22
12	Evaluating the simulated radiative forcings, aerosol properties, and stratospheric warmings from the 1963 Mt Agung, 1982 El Chichón, and 1991 Mt Pinatubo volcanic aerosol clouds. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 13627-13654.	4.9	22
13	Early meteorological records from Latin-America and the Caribbean during the 18th and 19th centuries. <i>Scientific Data</i> , 2017, 4, 170169.	5.3	21
14	Modelled and observed sea surface temperature trends for the Caribbean and Antilles. <i>International Journal of Climatology</i> , 2016, 36, 1873-1886.	3.5	18
15	The effect of optically thin cirrus clouds on solar radiation in Camagüey, Cuba. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8625-8634.	4.9	15
16	TEMPO Green Paper: Chemistry, physics, and meteorology experiments with the Tropospheric Emissions: monitoring of pollution instrument. , 2019, , .		14
17	Towards an instrumental harmonization in the framework of LALINET: dataset of technical specifications. <i>Proceedings of SPIE</i> , 2014, , .	0.8	10
18	Comparison of aerosol optical depth from satellite (MODIS), sun photometer and broadband pyrheliometer ground-based observations in Cuba. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 2279-2293.	3.1	9

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19	Demonstrating the Potential for First-Class Research in Underdeveloped Countries: Research on Stratospheric Aerosols and Cirrus Clouds Optical Properties, and Radiative Effects in Cuba (1988–2010). <i>Bulletin of the American Meteorological Society</i> , 2012, 93, 1017-1027.	3.3	8
20	Fostering a Collaborative Atmospheric Chemistry Research Community in the Latin America and Caribbean Region. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1929-1939.	3.3	8
21	Impact of missing sounding reports on mandatory levels and tropopause statistics: a case study. <i>Annales Geophysicae</i> , 2006, 24, 2445-2449.	1.6	7
22	Atmospheric particulate matter levels, chemical composition and optical absorbing properties in Camagüey, Cuba. <i>Environmental Sciences: Processes and Impacts</i> , 2013, 15, 440-453.	3.5	7
23	Cooperation on GPS Meteorology between the United States and Cuba. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1079-1088.	3.3	7
24	Lidar measurements of stratospheric aerosols from Mount Pinatubo at Camaguey, Cuba. <i>Atmospheric Environment</i> , 1996, 30, 1857-1860.	4.1	5
25	Solar Radiation Data Rescue at Camagüey, Cuba. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 1507-1512.	3.3	4
26	How well does the European Centre for Medium-Range Weather Forecasting Interim Reanalysis represent the surface air temperature in Cuban weather stations?. <i>International Journal of Climatology</i> , 2018, 38, 1216-1233.	3.5	4
27	Solar Radiation Climatology in Camagüey, Cuba (1981–2016). <i>Remote Sensing</i> , 2021, 13, 169.	4.0	4
28	Support for a tropical lidar in Latin America. <i>Eos</i> , 2001, 82, 285-289.	0.1	4
29	Determination of the Broadband Aerosol Optical Depth Baseline and comparison with sunphotometer data. <i>Optica Pura Y Aplicada</i> , 2015, 48, 249-258.	0.1	4
30	Integrated water vapor over the Arctic: Comparison between radiosondes and sun photometer observations. <i>Atmospheric Research</i> , 2022, 270, 106059.	4.1	4
31	Simultaneous dimming and brightening under all and clear sky at Camagüey, Cuba (1981–2010). <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019, 190, 45-53.	1.6	3
32	Capacity Building for the Caribbean Region. <i>Eos</i> , 2013, 94, 264-264.	0.1	2
33	Partnering with Cuba: Weather extremes. <i>Science</i> , 2014, 345, 278-278.	12.6	2
34	ALINE/LALINET Network Status. <i>EPJ Web of Conferences</i> , 2016, 119, 19004.	0.3	2
35	Cloud optical depth measurements with sunphotometer in Camagüey, Cuba. <i>Optica Pura Y Aplicada</i> , 2012, 45, 389-396.	0.1	2
36	Climatology of aerosols over the Caribbean islands: aerosol types, synoptic patterns and transport. <i>Journal of Applied Meteorology and Climatology</i> , 2022, , .	1.5	2

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37	Professor Zalman Makhover: a relevant contributor to early tropopause studies. Meteorologische Zeitschrift, 2009, 18, 573-584.	1.0	1
38	Corrigendum to "Increase of upper troposphere/lower stratosphere wave baroclinicity during the second half of the 20th century" published in Atmos. Chem. Phys., 9, 9143-9153, 2009. Atmospheric Chemistry and Physics, 2010, 10, 9057-9058.	4.9	1
39	Shipborne lidar measurements showing the progression of the tropical reservoir of volcanic aerosol after the June 1991 Pinatubo eruption. Earth System Science Data, 2020, 12, 2843-2851.	9.9	1
40	Characterizing aerosol optical depth measurements and forecasts of Saharan dust events at Camagüey, Cuba, during July 2009. Optica Pura Y Aplicada, 2012, 45, 415-421.	0.1	1
41	CALIPSO and sunphotometer measurements of Saharan dust events over Camagüey. Optica Pura Y Aplicada, 2014, 47, 189-196.	0.1	1
42	Standardizing the determination of the molecular backscatter coefficient profiles for LALINET lidar stations using ERA- Interim Reanalysis. Optica Pura Y Aplicada, 2017, 50, 103-114.	0.1	1
43	Three Decades of Atmospheric Optics Research in Camagüey, Cuba. Eos, 2019, 100, .	0.1	1
44	Norway and Cuba Continue Collaborating to Build Capacity to Improve Weather Forecasting. Eos, 2014, 95, 205-205.	0.1	0
45	Lalinet status - station expansion and lidar ratio systematic measurements. EPJ Web of Conferences, 2018, 176, 09002.	0.3	0
46	Surface shortwave cloud radiative effect of Cumulus (Cu) and Stratocumulus-Cumulus (Sc-Cu) cloud types in the Caribbean area (Camagüey Cuba, 2010-2016). , 0, , .		0
47	Recovery of the first ever multi-year lidar dataset of the stratospheric aerosol layer, from Lexington, MA, and Fairbanks, AK, January 1964 to July 1965. Earth System Science Data, 2021, 13, 4407-4423.	9.9	0
48	A possible impact of stratospheric aerosols over surface mean temperature trends in cuba. , 1996, , 341-344.		0
49	Mount Pinatubo Stratospheric Aerosol Decay During 1992 and 1993, as seen by the Camaguey Lidar Station. , 1996, , 3-9.		0
50	Cloud camera design using a Raspberry Pi. Optica Pura Y Aplicada, 2015, 48, 199-205.	0.1	0
51	Norway and Cuba Evaluate Bilateral Climate Research Results. Eos, 2016, 97, .	0.1	0
52	Mexico City Hosts a Course on Remote Sensing for Latin Americans. Eos, 2016, 97, .	0.1	0
53	A novel spaceborne lidar calibration technique: the multi-calibration lidar experiment. , 2017, , .		0
54	Spectral dependence of aerosol light absorption over Camagüey obtained from an integrating sphere spectral system. , 2019, , .		0

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55	Lidar Observations in South America. Part I - Mesosphere and Stratosphere. , 0, , .		0
56	Comparison of Cimel Sun-Photometer and Ground-Based Gnss Integrated Water Vapor Over South-Western European Sites. SSRN Electronic Journal, 0, , .	0.4	0