Juan Carlos AntuÃ±a-Marrero

List of Publications by Year
in descending order

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	Climatology of aerosols over the Caribbean islands: aerosol types, synoptic patterns and transport. Journal of Applied Meteorology and Climatology, 2022, , .	1.5	2
2	Integrated water vapor over the Arctic: Comparison between radiosondes and sun photometer observations. Atmospheric Research, 2022, 270, 106059.	4.1	4
3	Solar Radiation Climatology in CamagÃ¼ey, Cuba (1981â€“2016). Remote Sensing, 2021, 13, 169.	4.0	4
4	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
5	Evaluating the simulated radiative forcings, aerosol properties, and stratospheric warmings from the 1963 Mt Agung, 1982 El ChichÃ³n, and 1991 Mt Pinatubo volcanic aerosol clouds. Atmospheric Chemistry and Physics, 2020, 20, 13627-13654.	4.9	22
6	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
7	Synergetic Aerosol Layer Observation After the 2015 Calbuco Volcanic Eruption Event. Remote Sensing, 2019, 11, 195.	4.0	22
8	Simultaneous dimming and brightening under all and clear sky at CamagÃ¼ey, Cuba (1981â€“2010). Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 190, 45-53.	1.6	3
9	TEMPO Green Paper: Chemistry, physics, and meteorology experiments with the Tropospheric Emissions: monitoring of pollution instrument. , 2019, , .		14
10	Three Decades of Atmospheric Optics Research in Camagï¿½ey, Cuba. Eos, 2019, 100, .	0.1	1
11	Spectral dependence of aerosol light absorption over CamagÃ¼ey obtained from an integrating sphere spectral system. , 2019, , .		0
12	How well does the European Centre for Mediumâ€Range Weather Forecasting Interim Reanalysis represent the surface air temperature in Cuban weather stations?. International Journal of Climatology, 2018, 38, 1216-1233.	3.5	4
13	Lalinet status - station expansion and lidar ratio systematic measurements. EPJ Web of Conferences, 2018, 176, 09002.	0.3	0
14	Comparison of aerosol optical depth from satellite (MODIS), sun photometer and broadband pyrheliometer ground-based observations in Cuba. Atmospheric Measurement Techniques, 2018, 11, 2279-2293.	3.1	9
15	LALINET: The First Latin Americanâ€“Born Regional Atmospheric Observational Network. Bulletin of the American Meteorological Society, 2017, 98, 1255-1275.	3.3	22
16	Early meteorological records from Latin-America and the Caribbean during the 18th and 19th centuries. Scientific Data, 2017, 4, 170169.	5.3	21
17	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
18	A novel spaceborne lidar calibration technique: the multi-calibration lidar experiment. , 2017, , .		0

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19	Modelled and observed sea surface temperature trends for the Caribbean and Antilles. International Journal of Climatology, 2016, 36, 1873-1886.	3.5	18
20	Stratospheric aerosol-Observations, processes, and impact on climate. Reviews of Geophysics, 2016, 54, 278-335.	23.0	265
21	Fostering a Collaborative Atmospheric Chemistry Research Community in the Latin America and Caribbean Region. Bulletin of the American Meteorological Society, 2016, 97, 1929-1939.	3.3	8
22	ALINE/LALINET Network Status. EPJ Web of Conferences, 2016, 119, 19004.	0.3	2
23	Latin American Lidar Network (LALINET) for aerosol research: Diagnosis on network instrumentation. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 138-139, 112-120.	1.6	46
24	Norway and Cuba Evaluate Bilateral Climate Research Results. Eos, 2016, 97, .	0.1	0
25	Mexico City Hosts a Course on Remote Sensing for Latin Americans. Eos, 2016, 97, .	0.1	0
26	Cooperation on GPS Meteorology between the United States and Cuba. Bulletin of the American Meteorological Society, 2015, 96, 1079-1088.	3.3	7
27	Determination of the Broadband Aerosol Optical Depth Baseline and comparison with sunphotometer data. Optica Pura Y Aplicada, 2015, 48, 249-258.	0.1	4
28	Cloud camera design using a Raspberry Pi. Optica Pura Y Aplicada, 2015, 48, 199-205.	0.1	0
29	Partnering with Cuba: Weather extremes. Science, 2014, 345, 278-278.	12.6	2
30	Towards an instrumental harmonization in the framework of LALINET: dataset of technical specifications. Proceedings of SPIE, 2014, , .	0.8	10
31	Norway and Cuba Continue Collaborating to Build Capacity to Improve Weather Forecasting. Eos, 2014, 95, 205-205.	0.1	0
32	CALIPSO and sunphotometer measurements of Saharan dust events over CamagÃ¼ey. Optica Pura Y Aplicada, 2014, 47, 189-196.	0.1	1
33	Atmospheric particulate matter levels, chemical composition and optical absorbing properties in CamagÃ¼ey, Cuba. Environmental Sciences: Processes and Impacts, 2013, 15, 440-453.	3.5	7
34	Capacity Building for the Caribbean Region. Eos, 2013, 94, 264-264.	0.1	2
35	Demonstrating the Potential for First-Class Research in Underdeveloped Countries: Research on Stratospheric Aerosols and Cirrus Clouds Optical Properties, and Radiative Effects in Cuba (1988â€“2010). Bulletin of the American Meteorological Society, 2012, 93, 1017-1027.	3.3	8
36	Cloud optical depth measurements with sunphotometer in CamagÃ¼ey, Cuba. Optica Pura Y Aplicada, 2012, 45, 389-396.	0.1	2

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37	Characterizing aerosol optical depth measurements and forecasts of Saharan dust events at CamagÃ¼ey, Cuba, during July 2009. Optica Pura Y Aplicada, 2012, 45, 415-421.	0.1	1
38	The effect of optically thin cirrus clouds on solar radiation in CamagÃ¼ey, Cuba. Atmospheric Chemistry and Physics, 2011, 11, 8625-8634.	4.9	15
39	Corrigendum to "Increase of upper troposphere/lower stratosphere wave baroclinicity during the second half of the 20th century" published in Atmos. Chem. Phys., 9, 9143â€“9153, 2009. Atmospheric Chemistry and Physics, 2010, 10, 9057-9058.	4.9	1
40	Increase of upper troposphere/lower stratosphere wave baroclinicity during the second half of the 20th century. Atmospheric Chemistry and Physics, 2009, 9, 9143-9153.	4.9	25
41	Professor Zalman Makhover: a relevant contributor to early tropopause studies. Meteorologische Zeitschrift, 2009, 18, 573-584.	1.0	1
42	Climatological features of global multiple tropopause events. Journal of Geophysical Research, 2008, 113, .	3.3	50
43	Solar Radiation Data Rescue at CamagÃ¼ey, Cuba. Bulletin of the American Meteorological Society, 2008, 89, 1507-1512.	3.3	4
44	Global statistics of multiple tropopauses from the IGRA database. Geophysical Research Letters, 2007, 34, .	4.0	23
45	Impact of missing sounding reports on mandatory levels and tropopause statistics: a case study. Annales Geophysicae, 2006, 24, 2445-2449.	1.6	7
46	Spatial and temporal variability of the stratospheric aerosol cloud produced by the 1991 Mount Pinatubo eruption. Journal of Geophysical Research, 2003, 108, .	3.3	25
47	Lidar validation of SAGE II aerosol measurements after the 1991 Mount Pinatubo eruption. Journal of Geophysical Research, 2002, 107, ACL 3-1.	3.3	35
48	Support for a tropical lidar in Latin America. Eos, 2001, 82, 285-289.	0.1	4
49	Climate model simulation of winter warming and summer cooling following the 1991 Mount Pinatubo volcanic eruption. Journal of Geophysical Research, 1999, 104, 19039-19055.	3.3	181
50	Radiative forcing from the 1991 Mount Pinatubo volcanic eruption. Journal of Geophysical Research, 1998, 103, 13837-13857.	3.3	328
51	Lidar measurements of stratospheric aerosols from Mount Pinatubo at Camaguey, Cuba. Atmospheric Environment, 1996, 30, 1857-1860.	4.1	5
52	A possible impact of stratospheric aerosols over surface mean temperature trends in cuba. , 1996, , 341-344.		0
53	Mount Pinatubo Stratospheric Aerosol Decay During 1992 and 1993, as seen by the Camaguey Lidar Station. , 1996, , 3-9.		0
54	Surface shortwave cloud radiative effect of Cumulus (Cu) and Stratocumulus-Cumulus (Sc-Cu) cloud types in the Caribbean area (CamagÃ¼ey Cuba, 2010-2016). , 0, , .		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