

Victoria E Cachorro

List of Publications by Year in descending order

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Version: 2024-02-01

72
papers

1,760
citations

304743

22
h-index

289244

40
g-index

73
all docs

73
docs citations

73
times ranked

2075
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessing vineyard condition with hyperspectral indices: Leaf and canopy reflectance simulation in a row-structured discontinuous canopy. <i>Remote Sensing of Environment</i> , 2005, 99, 271-287.	11.0	589
2	Synergetic monitoring of Saharan dust plumes and potential impact on surface: a case study of dust transport from Canary Islands to Iberian Peninsula. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3067-3091.	4.9	83
3	Advanced characterisation of aerosol size properties from measurements of spectral optical depth using the GRASP algorithm. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3743-3781.	3.1	71
4	Measurements of the atmospheric turbidity of the North-centre continental area in Spain: spectral aerosol optical depth and Å...ngstrÅm turbidity parameters. <i>Journal of Aerosol Science</i> , 2000, 31, 687-702.	3.8	68
5	Modified Calibration Procedures for a Yankee Environmental System UVB-1 Biometer Based on Spectral Measurements with a Brewer Spectrophotometer. <i>Photochemistry and Photobiology</i> , 2006, 82, 508.	2.5	53
6	Diurnal cycle of precipitable water vapor over Spain. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 948-958.	2.7	43
7	Columnar physical and radiative properties of atmospheric aerosols in north central Spain. <i>Journal of Geophysical Research</i> , 2000, 105, 7161-7175.	3.3	42
8	Intercomparison of aerosol optical depth measurements in the UVB using Brewer Spectrophotometers and a Li-Cor Spectrophotometer. <i>Geophysical Research Letters</i> , 2001, 28, 1691-1694.	4.0	40
9	Comparison of UV irradiances from Aura/Ozone Monitoring Instrument (OMI) with Brewer measurements at El Arenosillo (Spain) â€“ Part 1: Analysis of parameter influence. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5979-5989.	4.9	40
10	Column-integrated aerosol microphysical properties from AERONET Sun photometer over southwestern Spain. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12535-12547.	4.9	39
11	UV Index Experimental Values During the Years 2000 and 2001 from the Spanish Broadband UV-B Radiometric Network. <i>Photochemistry and Photobiology</i> , 2002, 76, 181.	2.5	39
12	Comparison of atmospheric aerosol climatologies over southwestern Spain derived from AERONET and MODIS. <i>Remote Sensing of Environment</i> , 2011, 115, 1272-1284.	11.0	38
13	Solar radiation measurements compared to simulations at the BSRN IzaÅ±a station. Mineral dust radiative forcing and efficiency study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 179-194.	3.3	33
14	Determination of the atmospheric-water-vapor content in the 940-nm absorption band by use of moderate spectral-resolution measurements of direct solar irradiance. <i>Applied Optics</i> , 1998, 37, 4678.	2.1	32
15	On the sub-micron aerosol size distribution in a coastal-rural site at El Arenosillo Station (SW â€“) Tj ETQq1 1 0.784314 rgBT /Overlo	4.9	32
16	The evaluation of the integrated water vapour annual cycle over the Iberian Peninsula from EOSâ€MODIS against different groundâ€based techniques. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013, 139, 1935-1956.	2.7	31
17	Inventory of African desert dust events in the north-central Iberian Peninsula in 2003â€2014 based on sun-photometerâ€AERONET and particulate-massâ€EMEP data. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8227-8248.	4.9	31
18	Columnar characteristics of aerosols by spectroradiometer measurements in the maritime area of the Cadiz Gulf (Spain). <i>International Journal of Climatology</i> , 2005, 25, 1781-1804.	3.5	28

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19	Comparison of UV irradiances from Aura/Ozone Monitoring Instrument (OMI) with Brewer measurements at El Arenosillo (Spain) – Part 2: Analysis of site aerosol influence. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11867-11880.	4.9	28
20	Analysis of the annual cycle of the precipitable water vapour over Spain from 10-year homogenized series of GPS data. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 397-406.	2.7	25
21	Title is missing!. <i>Journal Physics D: Applied Physics</i> , 1997, 30, 3024-3027.	2.8	24
22	Improvement in PWV estimation from GPS due to the absolute calibration of antenna phase center variations. <i>GPS Solutions</i> , 2010, 14, 389-395.	4.3	24
23	Aerosol optical depth at ALOMAR Observatory (And�ya, Norway) in summer 2002 and 2003. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2006, 58, 218-228.	1.6	22
24	A preliminary assessment of a detailed two stream short-wave narrow-band model using spectral radiation measurements. <i>Solar Energy</i> , 1997, 61, 265-273.	6.1	21
25	Aerosol characterization at the sub-Arctic site Andenes (69�N, 16�E), by the analysis of columnar optical properties. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 471-482.	2.7	21
26	The Correlation between Particle Mass Loading and Extinction: Application to Desert Dust Aerosol Content Estimation. <i>Remote Sensing of Environment</i> , 1997, 60, 187-194.	11.0	19
27	Intercomparison of Spectroradiometers for Global and Direct Solar Irradiance in the Visible Range. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003, 20, 997-1010.	1.3	19
28	Retrieval of atmospheric aerosol characteristics from visible extinction data at valladolid (spain). <i>Atmospheric Environment</i> , 1994, 28, 963-971.	4.1	18
29	Characterization of a long range transport pollution episode affecting PM in SW Spain. <i>Journal of Environmental Monitoring</i> , 2008, 10, 1158.	2.1	15
30	In situ measurements of aerosol optical properties and number size distributions in a coastal region of Norway during the summer of 2008. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 5841-5857.	4.9	13
31	Daytime and nighttime aerosol optical depth implementation in C�TLIS. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2020, 9, 417-433.	1.6	12
32	Correction of Angular Response Error in Brewer UV Irradiance Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2008, 25, 2018-2027.	1.3	11
33	Detailed Aerosol Optical Depth Intercomparison between Brewer and Li-Cor 1800 Spectroradiometers and a Cimel Sun Photometer. <i>Journal of Atmospheric and Oceanic Technology</i> , 2009, 26, 1558-1571.	1.3	10
34	An integrating sphere spectral system to measure continuous spectra of aerosol absorption coefficient. <i>Journal of Aerosol Science</i> , 2011, 42, 204-212.	3.8	9
35	Comparison of aerosol optical properties at the sub-arctic stations ALOMAR-Andenes, Abisko and Sodankyl� in late spring and summer 2007. <i>Atmospheric Research</i> , 2012, 107, 20-30.	4.1	9
36	Column Integrated Water Vapor and Aerosol Load Characterization with the New ZEN-R52 Radiometer. <i>Remote Sensing</i> , 2020, 12, 1424.	4.0	9

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37	Absorption Å...ngstrÅm exponents of aerosols and light absorbing carbon (LAC) obtained from in situ data in Covilhã, central Portugal. <i>Journal of Environmental Monitoring</i> , 2012, 14, 3174.	2.1	8
38	Characterization of Stratospheric Smoke Particles over the Antarctica by Remote Sensing Instruments. <i>Remote Sensing</i> , 2020, 12, 3769.	4.0	8
39	Atmospheric effects on the ultraviolet erythema and total shortwave solar radiation in Valladolid, Spain. <i>Optica Pura Y Aplicada</i> , 2012, 45, 17-21.	0.1	8
40	Simple approaches and inversion methods retrieve particle size parameters of atmospheric desert aerosols. <i>Atmospheric Environment</i> , 1998, 32, 239-245.	4.1	7
41	Retrieval of biophysical vegetation parameters using simultaneous inversion of high resolution remote sensing imagery constrained by a vegetation index. <i>Precision Agriculture</i> , 2013, 14, 541-557.	6.0	7
42	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
43	Analysis of aerosol scattering properties measured by a nephelometer at a coastal-rural site in the Atlantic southwest of the Iberian Peninsula. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 132, 48-63.	1.6	7
44	Error source in AOD retrieval from filter radiometer data in the UV due to filter band function. <i>Journal of Aerosol Science</i> , 2009, 40, 597-602.	3.8	6
45	Comparison of observed and modeled cloud-free longwave downward radiation (2010-2016) at the high mountain BSRN Izaña station. <i>Geoscientific Model Development</i> , 2018, 11, 2139-2152.	3.6	6
46	Aerosol retrievals from the EKO MS-711 spectral direct irradiance measurements and corrections of the circumsolar radiation. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 2601-2621.	3.1	6
47	The Izaña BSRN station. <i>Optica Pura Y Aplicada</i> , 2012, 45, 51-55.	0.1	6
48	SSolar-GOA v1.0: a simple, fast, and accurate Spectral SOLAR radiative transfer model for clear skies. <i>Geoscientific Model Development</i> , 2022, 15, 1689-1712.	3.6	5
49	Solar Radiation Climatology in Camagüey, Cuba (1981-2016). <i>Remote Sensing</i> , 2021, 13, 169.	4.0	4
50	Water Vapor Retrievals from Spectral Direct Irradiance Measured with an EKO MS-711 Spectroradiometer Intercomparison with Other Techniques. <i>Remote Sensing</i> , 2021, 13, 350.	4.0	4
51	Optical calibration facility at the Izaña Atmospheric Research Center. <i>Optica Pura Y Aplicada</i> , 2012, 45, 57-62.	0.1	4
52	An analytical study about the ratio between particle mass loading and extinction: application to desert dust aerosols. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 1997, 57, 559-568.	2.3	3
53	Comparison of aerosol size distributions measured at ground level and calculated from inversion of solar radiances. , 2005, 5979, 204.		3
54	<title>Particle mass loading estimation from extinction data: application to satellite determination</title>. , 1995, , .		2

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55	<title>Comparison of two methods for inferring total columnar ozone amount and aerosol optical depth</title>. , 1995, , .		2
56	Characterization of temperature sensitivity of sun photometers by field comparison with a reference instrument. Journal of Aerosol Science, 2013, 59, 1-5.	3.8	2
57	Comparison between measurements and model simulations of solar radiation at a high altitude site: Case studies for the Izana BSRN station. , 2013, , .		2
58	Morphology, Mineralogy, and Chemistry of Atmospheric Aerosols Nearby an Active Mining Area: Aljustrel Mine (SW Portugal). Atmosphere, 2021, 12, 333.	2.3	2
59	Vertical radiative properties of atmospheric aerosols in a representative continental area of north-central Spain during 1995. , 1998, , .		2
60	Cloud optical depth measurements with sunphotometer in CamagÃ¼ey, Cuba. Optica Pura Y Aplicada, 2012, 45, 389-396.	0.1	2
61	ORION software tool for the geometrical calibration of all-sky cameras. PLoS ONE, 2022, 17, e0265959.	2.5	2
62	Atmospheric Aerosols and Climate. Advances in Meteorology, 2010, 2010, 1-2.	1.6	1
63	CÃ¶LIS: a System for Aersol Measurement Network. , 2018, , .		1
64	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
65	Comparison of CIMEL sun-photometer and ground-based GNSS integrated water vapor over south-western European sites. Atmospheric Research, 2022, 275, 106217.	4.1	1
66	Analysis of the atmospheric water vapor content determination in the 940-nm band using moderate spectral resolution measurements of direct solar irradiance. , 1998, , .		0
67	Aerosol optical depth derived from lidar measurements during VELETA-2002 campaign. , 2004, 5235, 477.		0
68	Observation and characterization of aerosols above ALOMAR (69 degrees N) by tropospheric lidar, sun-photometer, and VHF radar. , 2006, , .		0
69	Validation of TOMS UV irradiance with Brewer ground-based measurements at southwestern Spain. , 2006, , .		0
70	Summer lidar measurements in the troposphere over ALOMAR, Norway in 2007. , 2008, , .		0
71	Aerosol scattering optical properties by nephelometer measurements at the El Arenosillo site (SW) Tj ETQq1 1 0.784314 rgBT ₀ /Overlock		0
72	Editorial for the Special Issue â€œRemote Sensing of Atmospheric Components and Water Vaporâ€• Remote Sensing, 2020, 12, 2074.	4.0	0