

Emilio Cuevas

List of Publications by Year in descending order

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162
papers

8,868
citations

44042

48
h-index

53190

85
g-index

230
all docs

230
docs citations

230
times ranked

8305
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical composition and complex refractive index of Saharan Mineral Dust at Izaña, Tenerife (Spain) derived by electron microscopy. <i>Atmospheric Environment</i> , 2007, 41, 8058-8074.	1.9	376
2	Long-term changes in tropospheric ozone. <i>Atmospheric Environment</i> , 2006, 40, 3156-3173.	1.9	345
3	Geochemical variations in aeolian mineral particles from the Sahara–Sahel Dust Corridor. <i>Chemosphere</i> , 2006, 65, 261-270.	4.2	330
4	Spatial and temporal variations in airborne particulate matter (PM10 and PM2.5) across Spain 1999–2005. <i>Atmospheric Environment</i> , 2008, 42, 3964-3979.	1.9	287
5	Column aerosol optical properties and aerosol radiative forcing during a serious haze-fog month over North China Plain in 2013 based on ground-based sunphotometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2125-2138.	1.9	266
6	Tropospheric Ozone Assessment Report: Present-day distribution and trends of tropospheric ozone relevant to climate and global atmospheric chemistry model evaluation. <i>Elementa</i> , 2018, 6, .	1.1	240
7	Baseline Surface Radiation Network (BSRN): structure and data description (1992–2017). <i>Earth System Science Data</i> , 2018, 10, 1491-1501.	3.7	229
8	Transport of desert dust mixed with North African industrial pollutants in the subtropical Saharan Air Layer. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6663-6685.	1.9	218
9	Wet and dry African dust episodes over eastern Spain. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	210
10	Aerosol characterization in Northern Africa, Northeastern Atlantic, Mediterranean Basin and Middle East from direct-sun AERONET observations. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 8265-8282.	1.9	199
11	Recent tropospheric ozone changes – A pattern dominated by slow or no growth. <i>Atmospheric Environment</i> , 2013, 67, 331-351.	1.9	195
12	Characterisation of TSP and PM2.5 at Izaña and Sta. Cruz de Tenerife (Canary Islands, Spain) during a Saharan Dust Episode (July 2002). <i>Atmospheric Environment</i> , 2005, 39, 4715-4728.	1.9	187
13	Influence of African dust on the levels of atmospheric particulates in the Canary Islands air quality network. <i>Atmospheric Environment</i> , 2002, 36, 5861-5875.	1.9	180
14	Development and evaluation of the BSC-DREAM8b dust regional model over Northern Africa, the Mediterranean and the Middle East. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 64, 18539.	0.8	176
15	A methodology for the quantification of the net African dust load in air quality monitoring networks. <i>Atmospheric Environment</i> , 2007, 41, 5516-5524.	1.9	174
16	Photocatalysis with solar energy: Sunlight-responsive photocatalyst based on TiO2 loaded on a natural material for wastewater treatment. <i>Solar Energy</i> , 2016, 135, 527-535.	2.9	172
17	Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. <i>Elementa</i> , 2017, 5, .	1.1	172
18	Large contribution of meteorological factors to inter-decadal changes in regional aerosol optical depth. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10497-10523.	1.9	169

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19	Trends of ozone in the troposphere. <i>Geophysical Research Letters</i> , 1998, 25, 139-142.	1.5	156
20	The global SF ₆ source inferred from long-term high precision atmospheric measurements and its comparison with emission inventories. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2655-2662.	1.9	125
21	Origin of the exceedances of the European daily PM limit value in regional background areas of Spain. <i>Atmospheric Environment</i> , 2007, 41, 730-744.	1.9	124
22	Climatology of aerosol radiative properties in the free troposphere. <i>Atmospheric Research</i> , 2011, 102, 365-393.	1.8	121
23	Trace element variation in size-fractionated African desert dusts. <i>Journal of Arid Environments</i> , 2008, 72, 1034-1045.	1.2	117
24	Aerosol optical properties and direct radiative forcing based on measurements from the China Aerosol Remote Sensing Network (CARSNET) in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 405-425.	1.9	113
25	Soil Dust Aerosols and Wind as Predictors of Seasonal Meningitis Incidence in Niger. <i>Environmental Health Perspectives</i> , 2014, 122, 679-686.	2.8	111
26	Continuous quality assessment of atmospheric water vapour measurement techniques: FTIR, Cimel, MFRSR, GPS, and Vaisala RS92. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 323-338.	1.2	107
27	Observations of aerosols in the free troposphere and marine boundary layer of the subtropical Northeast Atlantic: Discussion of processes determining their size distribution. <i>Journal of Geophysical Research</i> , 1997, 102, 21315-21328.	3.3	106
28	Spatial distribution of aerosol microphysical and optical properties and direct radiative effect from the China Aerosol Remote Sensing Network. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 11843-11864.	1.9	101
29	Temporal variability of summer-time ozone and aerosols in the free troposphere over the eastern North Atlantic. <i>Geophysical Research Letters</i> , 1995, 22, 2925-2928.	1.5	100
30	Temperature and Organic Matter Dependence of the Distribution of Organochlorine Compounds in Mountain Soils from the Subtropical Atlantic (Teide, Tenerife Island). <i>Environmental Science & Technology</i> , 2002, 36, 1879-1885.	4.6	100
31	Modulation of Saharan dust export by the North African dipole. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7471-7486.	1.9	99
32	Summer and spring ozone profiles over the North Atlantic from ozonesonde measurements. <i>Journal of Geophysical Research</i> , 1996, 101, 29179-29200.	3.3	96
33	A trajectory-based estimate of the tropospheric ozone column using the residual method. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	93
34	Influence of sea breeze circulation and road traffic emissions on the relationship between particle number, black carbon, PM ₁ , PM _{2.5} and PM _{2.5} ¹⁰ concentrations in a coastal city. <i>Atmospheric Environment</i> , 2008, 42, 6523-6534.	1.9	86
35	The new sun-sky-lunar Cimel CE318-T multiband photometer – a comprehensive performance evaluation. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 631-654.	1.2	86
36	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.	1.9	83

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37	Assessment of global warming on the island of Tenerife, Canary Islands (Spain). Trends in minimum, maximum and mean temperatures since 1944. <i>Climatic Change</i> , 2012, 114, 343-355.	1.7	79
38	Assessment of atmospheric processes driving ozone variations in the subtropical North Atlantic free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1973-1998.	1.9	78
39	The MACC-II 2007-2008 reanalysis: atmospheric dust evaluation and characterization over northern Africa and the Middle East. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3991-4024.	1.9	76
40	The contributions of -minimum primary emissions- and -new particle formation enhancements- to the particle number concentration in urban air. <i>Journal of Aerosol Science</i> , 2007, 38, 1207-1219.	1.8	73
41	Arctic ozone loss in threshold conditions: Match observations in 1997/1998 and 1998/1999. <i>Journal of Geophysical Research</i> , 2001, 106, 7495-7503.	3.3	66
42	Semivolatile Organochlorine Compounds in the Free Troposphere of the Northeastern Atlantic. <i>Environmental Science & Technology</i> , 2002, 36, 1155-1161.	4.6	66
43	Status and future of numerical atmospheric aerosol prediction with a focus on data requirements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10615-10643.	1.9	64
44	Subtropical trace gas profiles determined by ground-based FTIR spectroscopy at Izaña (28° N, 16° W): Five-year record, error analysis, and comparison with 3-D CTMs. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 153-167.	1.9	59
45	Atmospheric nanoparticle observations in the low free troposphere during upward orographic flows at Izaña Mountain Observatory. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6319-6335.	1.9	57
46	A new method for nocturnal aerosol measurements with a lunar photometer prototype. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 585-598.	1.2	56
47	Atmospheric polycyclic aromatic hydrocarbons in remote European and Atlantic sites located above the boundary mixing layer. <i>Environmental Science and Pollution Research</i> , 2010, 17, 1207-1216.	2.7	55
48	Multi-decadal surface ozone trends at globally distributed remote locations. <i>Elementa</i> , 2020, 8, .	1.1	54
49	Validation of 10-year SAO OMI Ozone Profile (PROFOZ) product using ozonesonde observations. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 2455-2475.	1.2	53
50	Comparison of ground-based Brewer and FTIR total column O ₃ monitoring techniques. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5535-5550.	1.9	51
51	Characterization of the Marine Boundary Layer and the Trade-Wind Inversion over the Sub-tropical North Atlantic. <i>Boundary-Layer Meteorology</i> , 2016, 158, 311-330.	1.2	51
52	Source areas and long-range transport of pollen from continental land to Tenerife (Canary Islands). <i>International Journal of Biometeorology</i> , 2011, 55, 67-85.	1.3	49
53	Validation of reactive gases and aerosols in the MACC global analysis and forecast system. <i>Geoscientific Model Development</i> , 2015, 8, 3523-3543.	1.3	49
54	Quality assessment of O ₃ profiles measured by a state-of-the-art ground-based FTIR observing system. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5579-5588.	1.9	48

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55	Aerosol characterization at the Saharan AERONET site Tamanrasset. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 11753-11773.	1.9	48
56	Impact of the Saharan dust outbreaks on the ambient levels of total suspended particles (TSP) in the marine boundary layer (MBL) of the Subtropical Eastern North Atlantic Ocean. <i>Atmospheric Environment</i> , 2007, 41, 9468-9480.	1.9	47
57	Iodine monoxide in the north subtropical free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4909-4921.	1.9	44
58	Observations of the nitrate radical in the free troposphere at Izaña de Tenerife. <i>Journal of Geophysical Research</i> , 1997, 102, 10613-10622.	3.3	42
59	<title>PHOTONS/AERONET sunphotometer network overview: description, activities, results</title> . , 2007, . , .		40
60	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.	1.3	39
61	Quantification of ozone reductions within the Saharan air layer through a 13-year climatologic analysis of ozone profiles. <i>Atmospheric Environment</i> , 2014, 84, 28-34.	1.9	38
62	Polycyclic Aromatic Hydrocarbons in Mountain Soils of the Subtropical Atlantic. <i>Journal of Environmental Quality</i> , 2003, 32, 977-987.	1.0	37
63	The fictitious diurnal cycle of aerosol optical depth: A new approach for <i>in situ</i> calibration and correction of AOD data series. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	37
64	Using ¹³⁷ Cs and ⁴⁰ K to identify natural Saharan dust contributions to PM ₁₀ concentrations and air quality impairment in the Canary Islands. <i>Atmospheric Environment</i> , 2008, 42, 7034-7042.	1.9	37
65	The pulsating nature of large-scale Saharan dust transport as a result of interplays between mid-latitude Rossby waves and the North African Dipole Intensity. <i>Atmospheric Environment</i> , 2017, 167, 586-602.	1.9	37
66	NO ₂ climatology in the northern subtropical region: diurnal, seasonal and interannual variability. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1635-1648.	1.9	35
67	Origin of observed high ⁷ Be and mineral dust concentrations in ambient air on the Island of Tenerife. <i>Atmospheric Environment</i> , 2008, 42, 4247-4256.	1.9	34
68	African dust source regions for observed dust outbreaks over the Subtropical Eastern North Atlantic region, above 25°N. <i>Journal of Arid Environments</i> , 2012, 78, 100-109.	1.2	34
69	Assessment of Sun photometer Langley calibration at the high-elevation sites Mauna Loa and Izaña. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14555-14567.	1.9	34
70	Ozone profiles and total column amounts derived at Izaña, Tenerife Island, from FTIR solar absorption spectra, and its validation by an intercomparison to ECC-sonde and Brewer spectrometer measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2005, 91, 245-274.	1.1	33
71	Solar radiation measurements compared to simulations at the BSRN Izaña station. Mineral dust radiative forcing and efficiency study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 179-194.	1.2	33
72	Results from the Fourth WMO Filter Radiometer Comparison for aerosol optical depth measurements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3185-3201.	1.9	33

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73	Trend changes of African air mass intrusions in the marine boundary layer over the subtropical Eastern North Atlantic region in winter. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2011, 63, 255-265.	0.8	32
74	Forecasting the northern African dust outbreak towards Europe in April 2011: a model intercomparison. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4967-4986.	1.9	32
75	Detecting moisture transport pathways to the subtropical North Atlantic free troposphere using paired H ₂ O and D in situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4251-4269.	1.9	32
76	An empirical equation to estimate mineral dust concentrations from visibility observations in Northern Africa. <i>Aeolian Research</i> , 2015, 16, 55-68.	1.1	31
77	Deposition of Semi-Volatile Organochlorine Compounds in the Free Troposphere of the Eastern North Atlantic Ocean. <i>Marine Pollution Bulletin</i> , 2001, 42, 628-634.	2.3	28
78	Transport pathways of ozone to marine and free-troposphere sites in Tenerife, Canary Islands. <i>Atmospheric Environment</i> , 2004, 38, 4733-4747.	1.9	28
79	Objective identification of synoptic meteorological patterns favouring African dust intrusions into the marine boundary layer of the subtropical eastern north Atlantic region. <i>Meteorology and Atmospheric Physics</i> , 2011, 113, 109-124.	0.9	28
80	Influence of major African dust intrusions on the ¹³⁷ Cs and ⁴⁰ K activities in the lower atmosphere at the Island of Tenerife. <i>Atmospheric Environment</i> , 2005, 39, 4111-4118.	1.9	26
81	Accurate Determination of the TOA Solar Spectral NIR Irradiance Using a Primary Standard Source and the Bouguer-Langley Technique. <i>Solar Physics</i> , 2014, 289, 2433-2457.	1.0	25
82	Aerosol optical depth comparison between GAW-PFR and AERONET-Cimel radiometers from long-term (2005-2015) 1-min synchronous measurements. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 4309-4337.	1.2	25
83	On the origin of elevated surface ozone concentrations at Izaña Observatory, Tenerife during late March 1996. <i>Geophysical Research Letters</i> , 2000, 27, 3699-3702.	1.5	24
84	Quantification of ozone uptake at the stand level in a <i>Pinus canariensis</i> forest in Tenerife, Canary Islands: An approach based on sap flow measurements. <i>Environmental Pollution</i> , 2006, 140, 383-386.	3.7	24
85	Evaluation of sun photometer capabilities for retrievals of aerosol optical depth at high latitudes: The POLAR-AOD intercomparison campaigns. <i>Atmospheric Environment</i> , 2012, 52, 4-17.	1.9	24
86	Wind speed variability over the Canary Islands, 1948-2014: focusing on trend differences at the land-ocean interface and below/above the trade-wind inversion layer. <i>Climate Dynamics</i> , 2018, 50, 4061-4081.	1.7	24
87	Reconstruction of global solar radiation time series from 1933 to 2013 at the Izaña Atmospheric Observatory. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3139-3150.	1.2	22
88	Quantifying Dry and Wet Deposition Fluxes in Two Regions of Contrasting African Influence: The Iberian Peninsula and the Canary Islands. <i>Atmosphere</i> , 2017, 8, 86.	1.0	22
89	Testing the daytime oxidizing capacity of the troposphere: 1994 OH field campaign at the Izaña observatory, Tenerife. <i>Journal of Geophysical Research</i> , 1997, 102, 10603-10611.	3.3	21
90	Quantification of CH ₄ emissions from waste disposal sites near the city of Madrid using ground- and space-based observations of COCCON, TROPOMI and IASI. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 295-317.	1.9	21

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91	Aerosol optical depth retrievals at the Izaña Atmospheric Observatory from 1941 to 2013 by using artificial neural networks. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 53-62.	1.2	20
92	Evaluation of night-time aerosols measurements and lunar irradiance models in the frame of the first multi-instrument nocturnal intercomparison campaign. <i>Atmospheric Environment</i> , 2019, 202, 190-211.	1.9	20
93	Assessment of nocturnal aerosol optical depth from lunar photometry at the Izaña high mountain observatory. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3007-3019.	1.2	18
94	Use of SEVIRI images and derived products in a WMO Sand and dust Storm Warning System. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 7, 012004.	0.2	17
95	Long-path averaged mixing ratios of O ₃ and NO ₂ in the free troposphere from mountain MAX-DOAS. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3373-3386.	1.2	17
96	Saharan Dust Events in the Dust Belt -Canary Islands- and the Observed Association with in-Hospital Mortality of Patients with Heart Failure. <i>Journal of Clinical Medicine</i> , 2020, 9, 376.	1.0	17
97	Quality assurance of the solar UV network in the Antarctic. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	16
98	Rapid changes of dust geochemistry in the Saharan Air Layer linked to sources and meteorology. <i>Atmospheric Environment</i> , 2020, 223, 117186.	1.9	16
99	Impacts of Desert Dust Outbreaks on Air Quality in Urban Areas. <i>Atmosphere</i> , 2020, 11, 23.	1.0	16
100	Characteristics of the subtropical tropopause region based on long-term highly resolved sonde records over Tenerife. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,754.	1.2	15
101	Recovering long-term aerosol optical depth series (1976–2012) from an astronomical potassium-based resonance scattering spectrometer. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 4103-4116.	1.2	15
102	Changes in the Mediterranean pine forest: pollination patterns and annual trends of airborne pollen. <i>Aerobiologia</i> , 2017, 33, 375-391.	0.7	14
103	Long-term characterisation of the vertical structure of the Saharan Air Layer over the Canary Islands using lidar and radiosonde profiles: implications for radiative and cloud processes over the subtropical Atlantic Ocean. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 739-763.	1.9	14
104	Column water vapor determination in night period with a lunar photometer prototype. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 2159-2167.	1.2	13
105	A 10-year characterization of the Saharan Air Layer lidar ratio in the subtropical North Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6331-6349.	1.9	13
106	Description of the Baseline Surface Radiation Network (BSRN) station at the Izaña Observatory (2009–2017): measurements and quality control/assurance procedures. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2019, 8, 77-96.	0.6	13
107	Polycyclic Aromatic Hydrocarbons in Mountain Soils of the Subtropical Atlantic. <i>Journal of Environmental Quality</i> , 2003, 32, 977.	1.0	13
108	Comparison of measured and modelled spectral UV irradiance at Izaña high mountain station: estimation of the underlying effective albedo. <i>International Journal of Climatology</i> , 2016, 36, 377-388.	1.5	12

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109	Vertical mass impact and features of Saharan dust intrusions derived from ground-based remote sensing in synergy with airborne in-situ measurements. <i>Atmospheric Environment</i> , 2016, 142, 420-429.	1.9	12
110	Behavior of NO ₂ and O ₃ columns during the eclipse of February 26, 1998, as measured by visible spectroscopy. <i>Journal of Geophysical Research</i> , 2000, 105, 3583-3593.	3.3	11
111	Arrival of radionuclides released by the Fukushima accident to Tenerife (Canary Islands). <i>Journal of Environmental Radioactivity</i> , 2013, 116, 180-186.	0.9	11
112	Atmospheric CO ₂ , CH ₄ , and CO with the CRDS technique at the Izaña Global GAW station: instrumental tests, developments, and first measurement results. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2043-2066.	1.2	11
113	Twenty years of ground-based NDACC FTIR spectrometry at Izaña Observatory – overview and long-term comparison to other techniques. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15519-15554.	1.9	11
114	The WMO SDS-WAS Regional Center for Northern Africa, Middle East and Europe. <i>E3S Web of Conferences</i> , 2019, 99, 04008.	0.2	10
115	NO ₂ ; seasonal evolution in the north subtropical free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10567-10579.	1.9	9
116	Aerosols attenuating the solar radiation collected by solar tower plants: The horizontal pathway at surface level. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	9
117	Diversity on subtropical and polar cirrus clouds properties as derived from both ground-based lidars and CALIPSO/CALIOP measurements. <i>Atmospheric Research</i> , 2017, 183, 151-165.	1.8	9
118	Column Integrated Water Vapor and Aerosol Load Characterization with the New ZEN-R52 Radiometer. <i>Remote Sensing</i> , 2020, 12, 1424.	1.8	9
119	Sea-land total ozone differences from TOMS: GHOST effect. <i>Journal of Geophysical Research</i> , 2001, 106, 27745-27755.	3.3	7
120	Comments to the Article by Thuillier et al. – “The Infrared Solar Spectrum Measured by the SOLSPEC Spectrometer Onboard the International Space Station” – on the Interpretation of Ground-based Measurements at the Izaña Site. <i>Solar Physics</i> , 2016, 291, 2473-2477.	1.0	6
121	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.	1.3	6
122	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.	1.2	6
123	Sensitivity study of surface wind flow of a limited area model simulating the extratropical storm Delta affecting the Canary Islands. <i>Advances in Science and Research</i> , 2008, 2, 151-157.	1.0	6
124	The Izaña BSRN station. <i>Optica Pura Y Aplicada</i> , 2012, 45, 51-55.	0.0	6
125	Comparison of the aerosol index from satellites and the atmospheric extinction coefficient above the Canarian Observatories. , 2004, , .		5
126	Compatibility of different measurement techniques of global solar radiation and application for long-term observations at Izaña Observatory. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 731-743.	1.2	5

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127	A new zenith-looking narrow-band radiometer-based system (ZEN) for dust aerosol optical depth monitoring. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 565-579.	1.2	5
128	The MONARCH high-resolution reanalysis of desert dust aerosol over Northern Africa, the Middle East and Europe (2007–2016). <i>Earth System Science Data</i> , 2022, 14, 2785-2816.	3.7	5
129	Non-correlation between atmospheric extinction coefficient and TOMS aerosol index at the Canarian Observatories. , 2004, , .		4
130	Spectral Aerosol Optical Depth Retrievals by Ground-Based Fourier Transform Infrared Spectrometry. <i>Remote Sensing</i> , 2020, 12, 3148.	1.8	4
131	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.	1.8	4
132	Origin and SEM analysis of aerosols in the high mountain of Tenerife (Canary Islands). <i>Natural Science</i> , 2010, 02, 1119-1129.	0.2	4
133	Optical calibration facility at the Izaña Atmospheric Research Center. <i>Optica Pura Y Aplicada</i> , 2012, 45, 57-62.	0.0	4
134	Dust modelling and forecasting in the Barcelona Supercomputing Center: Activities and developments. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 7, 012013.	0.2	3
135	Effect of the Aerosol Type Selection for the Retrieval of Shortwave Ground Net Radiation: Case Study Using Landsat 8 Data. <i>Atmosphere</i> , 2016, 7, 111.	1.0	3
136	Lidar Ratio Derived for Pure Dust Aerosols: Multi-Year Micro Pulse Lidar Observations in a Saharan Dust-Influenced Region. <i>EPJ Web of Conferences</i> , 2016, 119, 23017.	0.1	3
137	High resolution modelling results of the wind flow over Canary Islands during the meteorological situation of the extratropical storm Delta (28–30 November 2005). <i>Advances in Science and Research</i> , 2008, 2, 81-87.	1.0	3
138	Aerobiología y alergias respiratorias de Tenerife. , 0, , .		3
139	African dust influence on ambient PM levels in South-Western Europe (Spain and Portugal): A quantitative approach to support implementation of Air Quality Directives. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 7, 012018.	0.2	2
140	Comparison between measurements and model simulations of solar radiation at a high altitude site: Case studies for the Izaña BSRN station. , 2013, , .		2
141	Saharan and Arabian Dust Aerosols: A Comparative Case Study of Lidar Ratio. <i>EPJ Web of Conferences</i> , 2016, 119, 08002.	0.1	2
142	Ozone and carbon monoxide at the Ushuaia GAW-WMO global station. <i>Atmospheric Research</i> , 2019, 217, 1-9.	1.8	2
143	Programa de vapor de agua en columna del Centro de Investigación Atmosférica de Izaña: análisis e intercomparación de diferentes técnicas de medida. , 0, , .		2
144	Airborne dust: from R and D to operational forecast. 2013-2015 Activity Report of the SDS-WAS Regional Center for Northern Africa, Middle East and Europe. , 0, , .		2

#	ARTICLE	IF	CITATIONS
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