Carmen CÃ³rdoba-Jabonero

List of Publications by Year
in descending order

41 papers	616 citations	687363 13 h-index	610901 24 g-index
51 all docs	51 docs citations	51 times ranked	844 citing authors

#	Article	IF	Citations
1	Synergetic monitoring of Saharan dust plumes and potential impact on surface: a case study of dust transport from Canary Islands to Iberian Peninsula. Atmospheric Chemistry and Physics, 2011, 11, 3067-3091.	4.9	83
2	The unprecedented 2017â€“2018 stratospheric smoke event: decay phase and aerosol properties observed with the EARLINET. Atmospheric Chemistry and Physics, 2019, 19, 15183-15198.	4.9	83
3	Stratospheric AOD after the 2011 eruption of Nabro volcano measured by lidars over the Northern Hemisphere. Environmental Research Letters, 2012, 7, 034013.	5.2	67
4	Solar ultraviolet transfer in the Martian atmosphere: biological and geological implications. Planetary and Space Science, 2003, 51, 399-410.	1.7	32
5	Aerosol Lidar Intercomparison in the Framework of SPALINETâ€”The Spanish Lidar Network: Methodology and Results. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 3547-3559.	6.3	30
6	Ground/space, passive/active remote sensing observations coupled with particle dispersion modelling to understand the inter-continental transport of wildfire smoke plumes. Remote Sensing of Environment, 2019, 232, 111294.	11.0	30
7	Separation of the optical and mass features of particle components in different aerosol mixtures by using POLIPHON retrievals in synergy with continuous polarized Micro-Pulse Lidar (P-MPL) measurements. Atmospheric Measurement Techniques, 2018, 11, 4775-4795.	3.1	26
8	Title is missing!. Journal Physics D: Applied Physics, 1997, 30, 3024-3027.	2.8	24
9	Cluster Analysis: A New Approach Applied to Lidar Measurements for Atmospheric Boundary Layer Height Estimation. Journal of Atmospheric and Oceanic Technology, 2014, 31, 422-436.	1.3	24
10	Radiative habitable zones in martian polar environments. Icarus, 2005, 175, 360-371.	2.5	23
11	Dust and dust storms over Kuwait: Ground-based and satellite observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 105-113.	1.6	22
12	Estimation of the atmospheric boundary layer height during different atmospheric conditions: a comparison on reliability of several methods applied to lidar measurements. International Journal of Remote Sensing, 2017, 38, 3203-3218.	2.9	18
13	Coupling of climate change and biotic UV exposure through changing snow-ice covers in terrestrial habitats. Photochemistry and Photobiology, 2004, 79, 26-31.	2.5	13
14	Vertical mass impact and features of Saharan dust intrusions derived from ground-based remote sensing in synergy with airborne in-situ measurements. Atmospheric Environment, 2016, 142, 420-429.	4.1	12
15	Aerosol radiative impact during the summer 2019 heatwave produced partly by an inter-continental Saharan dust outbreak â€“ Part 1: Short-wave dust direct radiative effect. Atmospheric Chemistry and Physics, 2021, 21, 6455-6479.	4.9	12
16	Performance of a dust model to predict the vertical mass concentration of an extreme Saharan dust event in the Iberian Peninsula: Comparison with continuous, elastic, polarization-sensitive lidars. Atmospheric Environment, 2019, 214, 116828.	4.1	10
17	Experimental assessment of a micro-pulse lidar system in comparison with reference lidar measurements for aerosol optical properties retrieval. Atmospheric Measurement Techniques, 2021, 14, 5225-5239.	3.1	10
18	Volcanic Eruption of Cumbre Vieja, La Palma, Spain: A First Insight to the Particulate Matter Injected in the Troposphere. Remote Sensing, 2022, 14, 2470.	4.0	10

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19	Influence of aerosol multiple scattering of ultraviolet radiation on martian atmospheric sensing. Icarus, 2007, 190, 492-503.	2.5	9
20	Diversity on subtropical and polar cirrus clouds properties as derived from both ground-based lidars and CALIPSO/CALIOP measurements. Atmospheric Research, 2017, 183, 151-165.	4.1	9
21	UV-B irradiance at Madrid during 1996, 1997, and 1998. Journal of Geophysical Research, 2000, 105, 4903-4906.	3.3	8
22	Depolarization ratio of polar stratospheric clouds in coastal Antarctica: comparison analysis between ground-based Micro Pulse Lidar and space-borne CALIOP observations. Atmospheric Measurement Techniques, 2013, 6, 703-717.	3.1	8
23	Study of vertically resolved aerosol properties over an urban background site in Madrid (Spain). International Journal of Remote Sensing, 2014, 35, 2311-2326.	2.9	8
24	Solar ultraviolet-B detectors using Eu2+ doped alkali halide crystals. Journal of Alloys and Compounds, 2001, 323-324, 847-850.	5.5	6
25	Comparison of total ozone measurements from a differential optical absorption filter instrument and a Dobson spectrophotometer. International Journal of Remote Sensing, 1997, 18, 3473-3478.	2.9	5
26	Polar Stratospheric Cloud Observations in the 2006/07 Arctic Winter by Using an Improved Micropulse Lidar. Journal of Atmospheric and Oceanic Technology, 2009, 26, 2136-2148.	1.3	5
27	Vertical assessment of the mineral dust optical and microphysical properties as retrieved from the synergy between polarized micro-pulse lidar and sun/sky photometer observations using GRASP code. Atmospheric Research, 2021, 264, 105818.	4.1	5
28	Coupling of Climate Change and Biotic UV Exposure Through Changing Snowâ€Ice Covers in Terrestrial Habitats^{Â¶}. Photochemistry and Photobiology, 2004, 79, 26-31.	2.5	4
29	Aerosol radiative impact during the summer 2019 heatwave produced partly by an inter-continental Saharan dust outbreak â€“ Part 2: Long-wave and net dust direct radiative effect. Atmospheric Chemistry and Physics, 2022, 22, 1921-1937.	4.9	4
30	Lidar Ratio Derived for Pure Dust Aerosols: Multi-Year Micro Pulse Lidar Observations in a Saharan Dust-Influenced Region. EPJ Web of Conferences, 2016, 119, 23017.	0.3	3
31	Conceptualizing the Impact of Dust-Contaminated Infrared Radiances on Data Assimilation for Numerical Weather Prediction. Journal of Atmospheric and Oceanic Technology, 2021, 38, 209-221.	1.3	3
32	Saharan and Arabian Dust Aerosols: A Comparative Case Study of Lidar Ratio. EPJ Web of Conferences, 2016, 119, 08002.	0.3	2
33	Cirrus-induced shortwave radiative effects depending on their optical and physical properties: Case studies using simulations and measurements. Atmospheric Research, 2020, 246, 105095.	4.1	2
34	<title>Characterization of atmospheric aerosols by an in-situ photometric technique in planetary environments</title>. , 2003, , .		1
35	Coupling of Climate Change and Biotic UV Exposure Through Changing Snowâ€“Ice Covers in Terrestrial HabitatsÂ¶. Photochemistry and Photobiology, 2004, 79, 26.	2.5	1
36	Active remote sensing observations for cirrus clouds profiling at subtropical and polar latitudes. , 2014, , .		0

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37	Multi-platform in-situ and remote sensing techniques to derive Saharan dust properties during AMISOC-TNF 2013. , 2014, , .		0
38	Subtropical and Polar Cirrus Clouds Characterized by Ground-Based Lidars and CALIPSO/CALIOP Observations. EPJ Web of Conferences, 2016, 119, 16012.	0.3	0
39	Cirrus clouds properties derived from polarized micro pulse lidar (p-mpl) observations at the atmospheric observatory â€˜el arenosilloâ€™ (sw iberian peninsula): a case study for radiative implications. EPJ Web of Conferences, 2018, 176, 05042.	0.3	0
40	Vertical separation of the atmospheric aerosol components by using poliphon retrieval in polarized micro pulse lidar (P-MPL) measurements: case studies of specific climate-relevant aerosol types. EPJ Web of Conferences, 2018, 176, 05041.	0.3	0
41	GRASP retrievals in synergy with both polarized Micro-Pulse Lidar and Sun/Sky photometer measurements to derive optical and microphysical properties of aged smoke plumes. , 2021, , .		0