

# Jose Antonio A Martinez-Lozano

## List of Publications by Year in descending order

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Version: 2024-02-01

81  
papers

1,653  
citations

236925

25  
h-index

361022

35  
g-index

82  
all docs

82  
docs citations

82  
times ranked

1409  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of the SKYRAD Improved Langley plot method for the in situ calibration of CIMEL Sun-sky photometers. <i>Applied Optics</i> , 2007, 46, 2688.	2.1	72
2	Columnar aerosol properties in Valencia (Spain) by ground-based Sun photometry. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	67
3	The parameterisation of the atmospheric aerosol optical depth using the Ångström power law. <i>Solar Energy</i> , 1998, 63, 303-311.	6.1	60
4	Determination and analysis of in situ spectral aerosol optical properties by a multi-instrumental approach. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2373-2387.	3.1	59
5	Aerosol columnar properties retrieved from CIMEL radiometers during VELETA 2002. <i>Atmospheric Environment</i> , 2008, 42, 2654-2667.	4.1	57
6	The optimisation of the angle of inclination of a solar collector to maximise the incident solar radiation. <i>Renewable Energy</i> , 1999, 17, 291-309.	8.9	56
7	Comparison of AERONET and SKYRAD4.2 inversion products retrieved from a Cimel CE318 sunphotometer. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 569-579.	3.1	53
8	Column-integrated aerosol optical properties from ground-based spectroradiometer measurements at Barrax (Spain) during the Digital Airborne Imaging Spectrometer Experiment (DAISEX) campaigns. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	51
9	Intercomparison of spectroradiometers and Sun photometers for the determination of the aerosol optical depth during the VELETA-2002 field campaign. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	47
10	Performance evaluation of several versions of the Perez tilted diffuse irradiance model. <i>Solar Energy</i> , 1994, 53, 155-162.	6.1	40
11	A comparative study of SPCTRAL2 and SMARTS2 parameterised models based on spectral irradiance measurements at Valencia, Spain. <i>Solar Energy</i> , 1998, 63, 161-171.	6.1	40
12	Evaluation of models for estimating solar irradiation on vertical surfaces at Valencia, Spain. <i>Solar Energy</i> , 1991, 47, 223-229.	6.1	39
13	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
14	Comparison of global ultraviolet (290–385 nm) and global irradiation measured during the warm season in valencia, spain. <i>International Journal of Climatology</i> , 1994, 14, 93-102.	3.5	38
15	Values of broad band turbidity coefficients in a mediterranean coastal site. <i>Solar Energy</i> , 1999, 66, 11-20.	6.1	36
16	Evaluation of the new ESR network software for the retrieval of direct sun products from CIMEL CE318 and PREDE POM01 sun-sky radiometers. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11619-11630.	4.9	35
17	Comparison of aerosol optical thickness retrieval from spectroradiometer measurements and from two radiative transfer models. <i>Solar Energy</i> , 2000, 68, 197-205.	6.1	33
18	Analysis of the aerosol radiative forcing over a Mediterranean urban coastal site. <i>Atmospheric Research</i> , 2014, 137, 195-204.	4.1	33

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19	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
20	In-situ integrating nephelometer measurements of the scattering properties of atmospheric aerosols at an urban coastal site in western Mediterranean. <i>Atmospheric Environment</i> , 2012, 47, 43-50.	4.1	32
21	Design of a sun tracker for the automatic measurement of spectral irradiance and construction of an irradiance database in the 330-1100nm range. <i>Renewable Energy</i> , 2007, 32, 2053-2068.	8.9	31
22	Aerosol Lidar Intercomparison in the Framework of SPALINET – The Spanish Lidar Network: Methodology and Results. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2009, 47, 3547-3559.	6.3	30
23	Influence of air mass history on the columnar aerosol properties at Valencia, Spain. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	28
24	Diffuse UV erythemal radiation experimental values. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	27
25	Precipitable water vapour content from ESR/SKYNET sun sky radiometers: validation against GNSS/GPS and AERONET over three different sites in Europe. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 81-94.	3.1	27
26	Aerosol optical characteristics from a summer campaign in an urban coastal Mediterranean area. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2001, 39, 1573-1585.	6.3	26
27	Altitude effect in UV radiation during the Evaluation of the Effects of Elevation and Aerosols on the Ultraviolet Radiation 2002 (VELETA2002) field campaign. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	26
28	Ultraviolet Radiation Protection by a Beach Umbrella. <i>Photochemistry and Photobiology</i> , 2010, 86, 449-456.	2.5	25
29	Study of erythemal, UV (A + B) and global solar radiation in Valencia (Spain). <i>International Journal of Climatology</i> , 2008, 28, 693-702.	3.5	24
30	Factors for inconsistent aerosol single scattering albedo between SKYNET and AERONET. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1859-1877.	3.3	22
31	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
32	Ten years of measured UV Index from the Spanish UVB Radiometric Network. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 125, 1-7.	3.8	21
33	Determinación de la dosis eritemática mínima y reacciones anómalas a radiación ultravioleta A según fototipo. <i>Actas Dermo-sifilográficas</i> , 2014, 105, 780-788.	0.4	21
34	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
35	Aerosol radiative forcing efficiency in the UV region over southeastern Mediterranean: VELETA2002 campaign. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	19
36	The erythemal clearness index for Valencia, Spain. <i>International Journal of Climatology</i> , 2009, 29, 147-155.	3.5	19

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37	Analysis of four years of ceilometer-derived aerosol backscatter profiles in a coastal site of the western Mediterranean. <i>Atmospheric Research</i> , 2018, 213, 331-345.	4.1	19
38	The influence of ozone and aerosols on the experimental values of UV erythema radiation at ground level in Valencia. <i>International Journal of Climatology</i> , 2009, 29, 2171-2182.	3.5	17
39	Analysis of a severe pollution episode in Valencia (Spain) and its effect on ground level particulate matter. <i>Journal of Aerosol Science</i> , 2013, 56, 41-52.	3.8	17
40	Relationship between the effective cloud optical depth and different atmospheric transmission factors. <i>Atmospheric Research</i> , 2015, 160, 50-58.	4.1	17
41	Ozone mini-holes over Valencia (Spain) and their influence on the UV erythema radiation. <i>International Journal of Climatology</i> , 2011, 31, 1554-1566.	3.5	15
42	Influence of cloudiness over the values of erythema radiation in Valencia, Spain. <i>International Journal of Climatology</i> , 2010, 30, 127-136.	3.5	14
43	Diffuse Ultraviolet Erythema Irradiance on Inclined Planes: A Comparison of Experimental and Modeled Data. <i>Photochemistry and Photobiology</i> , 2009, 85, 1245-1253.	2.5	14
44	Study of the correlation between columnar aerosol burden, suspended matter at ground and chemical components in a background European environment. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	14
45	Effective cloud optical depth for overcast conditions determined with a UV radiometers. <i>International Journal of Climatology</i> , 2014, 34, 3939-3952.	3.5	14
46	Estimation of the diffuse solar irradiation from global solar irradiation. Daily and monthly average daily values. <i>Renewable Energy</i> , 1994, 4, 95-100.	8.9	13
47	Climatology of the Aerosol Extinction-to-Backscatter Ratio from Sun-Photometric Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010, 48, 237-249.	6.3	13
48	Operational considerations to improve total ozone measurements with a Microtops II ozone monitor. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 759-769.	3.1	13
49	UVER and UV index at high altitude in Northwestern Argentina. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 290-295.	3.8	12
50	Estimation of daily average values of the Ångström turbidity coefficient $\hat{\tau}^2$ using a Corrected Yang Hybrid Model. <i>Renewable Energy</i> , 2013, 51, 182-188.	8.9	10
51	Energy saving and solar energy use in the University of Valencia (Spain). <i>Renewable Energy</i> , 2004, 29, 675-685.	8.9	9
52	Measurement and Analysis of Broadband UVB Solar Radiation in Spain. <i>Photochemistry and Photobiology</i> , 2012, 88, 1489-1496.	2.5	9
53	A comparison of Microtops II and satellite ozone measurements in the period 2001-2011. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 94, 5-12.	1.6	9
54	A New Method for Determining the Ångström Turbidity Coefficient from Broadband Filter Measurements. <i>Journal of Applied Meteorology and Climatology</i> , 2000, 39, 863-874.	1.7	8

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55	Column-integrated aerosol optical properties in Sodankylä (Finland) during the Solar Induced Fluorescence Experiment (SIFLEX-2002). <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	8
56	Relationship between <scp>UVB</scp> and broadband solar radiation in Spain. <i>International Journal of Climatology</i> , 2015, 35, 1761-1771.	3.5	8
57	Assessment and application of MODIS ocean and land algorithms for the characterization of aerosol properties over a Mediterranean coastal site. <i>Atmospheric Research</i> , 2015, 157, 66-73.	4.1	8
58	Spectral solar irradiance in the range 300–1100 nm measured at València, Spain. <i>Renewable Energy</i> , 1995, 6, 997-1003.	8.9	6
59	A multi-instrument approach for characterizing the atmospheric aerosol optical thickness during the STAAARTE/DAISEX-99 campaign. <i>Geophysical Research Letters</i> , 2002, 29, 12-1.	4.0	6
60	Column-integrated aerosol optical properties in the free troposphere: case study-Sierra Nevada, Spain. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2004, 42, 2268-2276.	6.3	6
61	Approaches to partitioning the global UVER irradiance into its direct and diffuse components in Valencia, Spain. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
62	Sensitivity of UVER enhancement to broken liquid water clouds: A Monte Carlo approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 949-964.	3.3	6
63	Characterization of the atmosphere during SEN2FLEX 2005 field campaign. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	5
64	Incorporation of aerosol effects in a clear-sky semi-empirical model of UVER radiation for Valencia, Spain. <i>International Journal of Climatology</i> , 2011, 31, 937-948.	3.5	5
65	Modelling of the UV Index on vertical and 40° tilted planes for different orientations. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 333-344.	2.9	5
66	UV Index on Tilted Surfaces. <i>Photochemistry and Photobiology</i> , 2006, 82, 1047.	2.5	4
67	Atmospheric Components Determination From Ground-Level Measurements During the Spectra Barax Campaigns (SPARC) Field Campaigns. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2007, 45, 2778-2793.	6.3	4
68	Column aerosol characterization in a semi-arid region around Marrakech during the WATERMED 2003 campaign. <i>International Journal of Remote Sensing</i> , 2008, 29, 5013-5027.	2.9	4
69	Performance of a FieldSpec spectroradiometer for aerosol optical depth retrieval: method and preliminary results. <i>Applied Optics</i> , 2009, 48, 1969.	2.1	4
70	AERONET and Euroskyrad (ESR) aerosol optical depth intercomparison on Cimel CE318 and Prede POM01 radiometers. , 2010, , .		4
71	Analysis of Desert Dust Outbreaks Over Southern Europe Using CALIOP Data and Ground-Based Measurements. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2016, 54, 744-756.	6.3	4
72	UV Index experimental values on vertical surfaces. <i>International Journal of Climatology</i> , 2012, 32, 2066-2072.	3.5	3

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73	<title>Comparison of two methods for inferring total columnar ozone amount and aerosol optical depth</title>. , 1995, , .		2
74	Preliminary study of the influence of the urban effect on the spectral aerosol optical thickness in a Mediterranean coastal site. , 1998, , .		2
75	Proposal of a simple model for the characterization of aerosols in relation to the dominant air masses. International Journal of Remote Sensing, 2013, 34, 3625-3635.	2.9	2
76	<title>Ozone content determination and aerosol characteristics from spectral radiation measurements in Valladolid (Spain)</title>. , 1995, , .		1
77	Empirical determination of direct aerosol radiative effects in the shortwave and longwave spectral ranges during desert dust events over Valencia (Spain). , 2013, , .		1
78	Estimation of cloud optical depth for low clouds from UV erythemal irradiance. , 2013, , .		1
79	Analysis of the atmospheric water vapor content determination in the 940-nm band using moderate spectral resolution measurements of direct solar irradiance. , 1998, , .		0
80	Aerosol optical depth derived from lidar measurements during VELETA-2002 campaign. , 2004, 5235, 477.		0
81	<title>UVB and erythemal solar radiation on tilted planes in Valencia, Spain</title>. , 2004, , .		0