

Josep-Abel Gonz lez

List of Publications by Year in descending order

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44
papers

1,069
citations

471509

17
h-index

414414

32
g-index

46
all docs

46
docs citations

46
times ranked

1273
citing authors

#	ARTICLE	IF	CITATIONS
1	Longwave radiative effect of the cloudâ€‘aerosol transition zone based on CERES observations. Atmospheric Chemistry and Physics, 2022, 22, 1483-1494.	4.9	4
2	Assessing Rapid Variability in Atmospheric Apparent Optical Depth with an Array Spectrometer System. Remote Sensing, 2020, 12, 2917.	4.0	1
3	Quantifying Transition Zone Radiative Effects in Longwave Radiation Parameterizations. Geophysical Research Letters, 2020, 47, .	4.0	4
4	Physiological, growth and root biochemical responses of Arbutus unedo and Quercus suber seedlings to UV radiation and water availability before and after aboveground biomass removal. Environmental and Experimental Botany, 2019, 168, 103861.	4.2	5
5	Leaf biochemical adjustments in two Mediterranean resprouter species facing enhanced UV levels and reduced water availability before and after aerial biomass removal. Plant Physiology and Biochemistry, 2019, 137, 130-143.	5.8	5
6	Transition Zone Radiative Effects in Shortwave Radiation Parameterizations: Case of Weather Research and Forecasting Model. Journal of Geophysical Research D: Atmospheres, 2019, 124, 13091-13104.	3.3	6
7	Contrasting seasonal morphological and physio-biochemical responses to UV radiation and reduced rainfall of two mature naturally growing Mediterranean shrubs in the context of climate change. Environmental and Experimental Botany, 2018, 147, 189-201.	4.2	13
8	Effects of UV radiation and rainfall reduction on leaf and soil parameters related to C and N cycles of a Mediterranean shrubland before and after a controlled fire. Plant and Soil, 2018, 424, 503-524.	3.7	14
9	Building global and diffuse solar radiation series and assessing decadal trends in Girona (NE Iberian) Tj ETQq1 1 0.784314 rgBT /Overlo	2.8	8
10	How large and how long are UV and total radiation enhancements?. AIP Conference Proceedings, 2017, , .	0.4	7
11	Fewer clouds in the Mediterranean: consistency of observations and climate simulations. Scientific Reports, 2017, 7, 41475.	3.3	47
12	The thin border between cloud and aerosol: Sensitivity of several ground based observation techniques. Atmospheric Research, 2017, 196, 248-260.	4.1	28
13	Measuring fast optical depth variations in cloud edges with a CCD-array spectrometer. AIP Conference Proceedings, 2017, , .	0.4	2
14	Climatology and changes in cloud cover in the area of the Black, Caspian, and Aral seas (1991â€‘2010): a comparison of surface observations with satellite and reanalysis products. International Journal of Climatology, 2016, 36, 1428-1443.	3.5	10
15	Aerosol optical depth in a western Mediterranean site: An assessment of different methods. Atmospheric Research, 2016, 174-175, 70-84.	4.1	14
16	Reconstruction of longâ€‘term aerosol optical depth series with sunshine duration records. Geophysical Research Letters, 2016, 43, 1296-1305.	4.0	17
17	Cloud cover climatologies in the Mediterranean obtained from satellites, surface observations, reanalyses, and CMIP5 simulations: validation and future scenarios. Climate Dynamics, 2016, 47, 249-269.	3.8	20
18	Modeling atmospheric longwave radiation at the surface during overcast skies: The role of cloud base height. Journal of Geophysical Research D: Atmospheres, 2015, 120, 199-214.	3.3	40

#	ARTICLE	IF	CITATIONS
19	Using digital image processing to characterize the Campbellâ€”Stokes sunshine recorder and to derive high-temporal resolution direct solar irradiance. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 183-194.	3.1	22
20	Interactive effects of UV radiation and reduced precipitation on the seasonal leaf phenolic content/composition and the antioxidant activity of naturally growing <i>Arbutus unedo</i> plants. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2015, 153, 435-444.	3.8	48
21	Comparing the cloud vertical structure derived from several methods based on radiosonde profiles and ground-based remote sensing measurements. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 2757-2773.	3.1	36
22	Two Methods for Retrieving <sc>UV</sc> Index for All Cloud Conditions from Sky Imager Products or Total <sc>SW</sc> Radiation Measurements. <i>Photochemistry and Photobiology</i> , 2014, 90, 941-951.	2.5	18
23	The signal of aerosolâ€”induced changes in sunshine duration records: A review of the evidence. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4657-4673.	3.3	68
24	Behavior of cloud base height from ceilometer measurements. <i>Atmospheric Research</i> , 2013, 127, 64-76.	4.1	54
25	Aerosol effects on the cloud optical depth retrieval from atmospheric transmittance. <i>AIP Conference Proceedings</i> , 2013, , .	0.4	3
26	A method to estimate erythemal UV from total solar irradiance measurements based on 9 years of 1-minute data at Lauder, New Zealand. , 2013, , .		0
27	A Simple Method to Retrieve Cloud Properties from Atmospheric Transmittance and Liquid Water Column Measurements. <i>Journal of Applied Meteorology and Climatology</i> , 2011, 50, 283-295.	1.5	6
28	Towards a more realistic description of swing pumping due to the exchange of angular momentum. <i>European Journal of Physics</i> , 2010, 31, 1195-1207.	0.6	13
29	Modeling atmospheric longwave radiation at the surface under cloudless skies. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	18
30	Towards closure between measured and modelled UV under clear skies at four diverse sites. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2817-2837.	4.9	29
31	Aerosol radiative forcing efficiency in the UV region over southeastern Mediterranean: VELETA2002 campaign. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	19
32	Using a Parameterization of a Radiative Transfer Model to Build High-Resolution Maps of Typical Clear-Sky UV Index in Catalonia, Spain. <i>Journal of Applied Meteorology and Climatology</i> , 2005, 44, 789-803.	1.7	15
33	Empirical studies of cloud effects on UV radiation: A review. <i>Reviews of Geophysics</i> , 2005, 43, .	23.0	252
34	Using routine meteorological data to derive sky conditions. <i>Annales Geophysicae</i> , 2003, 21, 649-654.	1.6	11
35	Modelled and measured ratio of PAR to global radiation under cloudless skies. <i>Agricultural and Forest Meteorology</i> , 2002, 110, 319-325.	4.8	71
36	A Method for Sky-Condition Classification from Ground-Based Solar Radiation Measurements. <i>Journal of Applied Meteorology and Climatology</i> , 2001, 40, 2193-2199.	1.7	37

#	ARTICLE	IF	CITATIONS
37	INFLUENCE OF THE GLOBAL RADIATION VARIABILITY ON THE HOURLY DIFFUSE FRACTION CORRELATIONS. Solar Energy, 1999, 65, 119-131.	6.1	36
38	Information theory and blackbody radiation. Contemporary Physics, 1999, 40, 57-70.	1.8	8
39	Cloud recognition from ground-based solar radiation measurements: preliminary results. , 1998, 3495, 313.		1
40	<title>Ground-based evaluation of aerosol transmittance for cloudless and scattered cloudy skies</title>. , 1998, , .		1
41	Information-theoretical derivation of a nonequilibrium extension of Wien's displacement law. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 236, 193-200.	2.1	8
42	Spreading of gauge coupling constants in minimal LR models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 201, 315-320.	4.1	4
43	Renormalization group analysis of extended electroweak models from the heterotic string. Nuclear Physics B, 1988, 307, 571-632.	2.5	35
44	String goniometry by neutral currents. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 89-95.	4.1	11