Isidro A PÃ©rez

List of Publications by Year
in descending order

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74	893	471509 17	580821 25
papers	citations	h-index	g-index

74	74	74	902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Soil CO2 fluxes beneath barley on the central Spanish plateau. Agricultural and Forest Meteorology, 2003, 118, 85-95.	4.8	47
2	Ground level ozone concentrations at a rural location in northern Spain. Science of the Total Environment, 2005, 348, 135-150.	8.0	46
3	Analysis and parameterisation of wind profiles in the low atmosphere. Solar Energy, 2005, 78, 809-821.	6.1	34
4	Differences between carbon dioxide levels over suburban and rural sites in Northern Spain. Environmental Science and Pollution Research, 2012, 19, 432-439.	5.3	34
5	Forecasting particulate pollutant concentrations in a city from meteorological variables and regional weather patterns. Atmospheric Environment Part A General Topics, 1990, 24, 1509-1519.	1.3	31
6	Analysis of height variations of sodar-derived wind speeds in Northern Spain. Journal of Wind Engineering and Industrial Aerodynamics, 2004, 92, 875-894.	3.9	30
7	Wind speed description and power density in northern Spain. Energy, 2017, 138, 967-976.	8.8	28
8	Evaluation of surface ozone measurements during 2000â€“2005 at a rural area in the upper Spanish plateau. Journal of Atmospheric Chemistry, 2008, 60, 137-152.	3.2	27
9	CO2 transport by urban plumes in the upper Spanish plateau. Science of the Total Environment, 2009, 407, 4934-4938.	8.0	27
10	Continuous Carbon Dioxide Measurements in a Rural Area in the Upper Spanish Plateau. Journal of the Air and Waste Management Association, 2008, 58, 940-946.	1.9	26
11	Study of CO2 variability at different temporal scales recorded in a rural Spanish site. Agricultural and Forest Meteorology, 2010, 150, 1168-1173.	4.8	25
12	Key Points in Air Pollution Meteorology. International Journal of Environmental Research and Public Health, 2020, 17, 8349.	2.6	24
13	Soil CO2 fluxes in cereal land use of the Spanish plateau: influence of conventional and reduced tillage practices. Chemosphere, 2002, 47, 837-844.	8.2	23
14	Ozone concentrations at a high altitude station in the Central Massif (Spain). Chemosphere, 2005, 60, 576-584.	8.2	22
15	Ground-level ozone and ozone vertical profile measurements close to the foothills of the Guadarrama mountain range (Spain). Atmospheric Environment, 2007, 41, 1302-1314.	4.1	22
16	SEBS validation in a Spanish rotating crop. Agricultural and Forest Meteorology, 2014, 195-196, 132-142.	4.8	21
17	Influence of atmospheric stability and transport on CH 4 concentrations in northern Spain. Science of the Total Environment, 2016, 550, 157-166.	8.0	18
18	Analysis of PM10 and PM2.5 Concentrations in an Urban Atmosphere in Northern Spain. Archives of Environmental Contamination and Toxicology, 2019, 76, 331-345.	4.1	18

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19	Characterisation of the mixing height temporal evolution by means of a laser dial system in an urban area â€“ intercomparison results with a model application. Annales Geophysicae, 2007, 25, 2119-2124.	1.6	17
20	Synoptic weather patterns associated with carbon dioxide levels in Northern Spain. Science of the Total Environment, 2010, 408, 3411-3417.	8.0	17
21	Analysis of CO2 daily cycle in the low atmosphere at a rural site. Science of the Total Environment, 2012, 431, 286-292.	8.0	17
22	GPP and maximum light use efficiency estimates using different approaches over a rotating biodiesel crop. Agricultural and Forest Meteorology, 2015, 214-215, 444-455.	4.8	17
23	Ground laser remote sensing measurements of a Saharan dust outbreak in Central Spain. Influence on PM10 concentrations in the lower and upper Spanish plateaus. Chemosphere, 2007, 67, 229-239.	8.2	15
24	Daily and annual cycle of CO2 concentration near the surface depending on boundary layer structure at a rural site in Spain. Theoretical and Applied Climatology, 2009, 98, 269-277.	2.8	15
25	CH4 continuous measurements in the upper Spanish plateau. Environmental Monitoring and Assessment, 2014, 186, 2823-2834.	2.7	15
26	Applications of Air Mass Trajectories. Advances in Meteorology, 2015, 2015, 1-20.	1.6	14
27	Weibull wind speed distribution: Numerical considerations and use with sodar data. Journal of Geophysical Research, 2007, 112, .	3.3	13
28	Carbon dioxide at an unpolluted site analysed with the smoothing kernel method and skewed distributions. Science of the Total Environment, 2013, 456-457, 239-245.	8.0	13
29	Temporal patterns of CO 2 and CH 4 in a rural area in northern Spain described by a harmonic equation over 2010â€“2016. Science of the Total Environment, 2017, 593-594, 1-9.	8.0	13
30	Autocorrelation Analysis of Meteorological Data from a RASS Sodar. Journal of Applied Meteorology and Climatology, 2004, 43, 1213-1223.	1.7	12
31	A classification of CO2 concentrations based on a binary meteorological six variable system. Agricultural and Forest Meteorology, 2009, 149, 1686-1692.	4.8	12
32	Energy balance and partitioning over a rotating rapeseed crop. Agricultural Water Management, 2015, 161, 31-40.	5.6	12
33	Relationship between CO2 at a rural site and integral measures of atmospheric stagnation, recirculation, and ventilation. Die Naturwissenschaften, 2011, 98, 565-574.	1.6	11
34	Analysis of directional meteorological data by means of cylindrical models. Renewable Energy, 2007, 32, 459-473.	8.9	10
35	Description of atmospheric variables measured with a RASS sodar: Cycles and distribution functions. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 436-453.	3.9	10
36	Spatial analysis of CO2 concentration in an unpolluted environment in northern Spain. Journal of Environmental Management, 2012, 113, 417-425.	7.8	10

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37	Features of the annual evolution of CO 2 and CH 4 in the atmosphere of a Mediterranean climate site studied using a nonparametric and a harmonic function. Atmospheric Pollution Research, 2016, 7, 1013-1021.	3.8	10
38	Persistence analysis of CO2 concentrations recorded at a rural site in the upper Spanish plateau. Atmospheric Research, 2011, 100, 45-50.	4.1	9
39	Analysis and fit of surface CO2 concentrations at a rural site. Environmental Science and Pollution Research, 2012, 19, 3015-3027.	5.3	9
40	Analysis of air mass trajectories in the northern plateau of the Iberian Peninsula. Journal of Atmospheric and Solar-Terrestrial Physics, 2015, 134, 9-21.	1.6	9
41	Fit of wind speed and temperature profiles in the low atmosphere from rass sodar data. Journal of Atmospheric and Solar-Terrestrial Physics, 2006, 68, 1125-1135.	1.6	8
42	Boundary layer structure and stability classification validated with CO₂ concentrations over the Northern Spanish Plateau. Annales Geophysicae, 2009, 27, 339-349.	1.6	8
43	Trend analysis of CO2 and CH4 recorded at a semi-natural site in the northern plateau of the Iberian Peninsula. Atmospheric Environment, 2017, 151, 24-33.	4.1	8
44	Annual and seasonal cycles of CO2 and CH4 in a Mediterranean Spanish environment using different kernel functions. Stochastic Environmental Research and Risk Assessment, 2019, 33, 915-930.	4.0	8
45	Analysis of carbon dioxide concentration skewness at a rural site. Science of the Total Environment, 2014, 476-477, 158-164.	8.0	7
46	CO2 dilution in the lower atmosphere from temperature and wind speed profiles. Theoretical and Applied Climatology, 2012, 107, 247-253.	2.8	6
47	The influence of meteorological variables on CO2 and CH4 trends recorded at a semi-natural station. Journal of Environmental Management, 2018, 209, 37-45.	7.8	6
48	Description and distribution fitting of transformed sodar wind observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 89-100.	1.6	5
49	Local regressions for decomposing CO2 and CH4 time-series in a semi-arid ecosystem. Atmospheric Pollution Research, 2020, 11, 213-223.	3.8	5
50	Trend analysis and outlier distribution of CO2 and CH4: A case study at a rural site in northern Spain. Science of the Total Environment, 2022, 819, 153129.	8.0	5
51	Daily patterns of CO2 in the lower atmosphere of a rural site. Theoretical and Applied Climatology, 2015, 122, 195-205.	2.8	4
52	An experimental relationship between airflow and carbon dioxide concentrations at a rural site. Science of the Total Environment, 2015, 533, 432-438.	8.0	4
53	Influence of Wind Speed on CO2 and CH4 Concentrations at a Rural Site. International Journal of Environmental Research and Public Health, 2021, 18, 8397.	2.6	4
54	Directional analysis of CO2 persistence at a rural site. Science of the Total Environment, 2011, 409, 3887-3893.	8.0	3

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55	Boundaries of air mass trajectory clustering: key points and applications. International Journal of Environmental Science and Technology, 2017, 14, 653-662.	3.5	3
56	Analysis of the airflow at the centre of the upper plateau on the Iberian Peninsula and its link to CO₂ and CH₄ concentrations. International Journal of Climatology, 2018, 38, 2126-2137.	3.5	3
57	Sensitivity of CO2 and CH4 Annual Cycles to Different Meteorological Variables at a Rural Site in Northern Spain. Advances in Meteorology, 2019, 2019, 1-11.	1.6	3
58	Statistical Analysis of the CO2 and CH4 Annual Cycle on the Northern Plateau of the Iberian Peninsula. Atmosphere, 2020, 11, 769.	2.3	3
59	Analysis of Ozone Concentrations between 2002â€“2020 in Urban Air in Northern Spain. Atmosphere, 2021, 12, 1495.	2.3	3
60	A stochastic model to forecast lead pollutant. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1989, 12, 415-425.	0.2	2
61	SCOPE model applied for rapeseed in Spain. Science of the Total Environment, 2018, 627, 417-426.	8.0	2
62	Influence of air parcel trajectories on CO2 and CH4 concentrations in the northern plateau of the Iberian Peninsula. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 167, 58-65.	1.6	2
63	Lower Atmosphere Meteorology. Atmosphere, 2019, 10, 609.	2.3	2
64	Cluster analysis applied to CO2 concentrations at a rural site. Environmental Science and Pollution Research, 2015, 22, 1954-1962.	5.3	1
65	CO2 spatio-temporal analysis in the Iberian Peninsula. Science of the Total Environment, 2019, 686, 322-331.	8.0	1
66	Influence of dataset density on CO2 and CH4 trend calculation. Air Quality, Atmosphere and Health, 2019, 12, 613-625.	3.3	1
67	Spatial analysis and evolution of four air pollutants in England and Wales. Science of the Total Environment, 2021, 774, 145665.	8.0	1
68	CO2 AND CH4 URBAN PLUME OVER A MEDITERRANEAN SEMI-NATURAL SITE IN THE IBERIAN PENINSULA. , 2018, , .		1
69	Wind Speed Analysis of Hurricane Sandy. Atmosphere, 2021, 12, 1480.	2.3	1
70	Analysis of two atmospheric dispersion schemes from CO₂ surface concentrations at a rural site. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 394-401.	2.7	0
71	Applications of Air Trajectories. Advances in Meteorology, 2015, 2015, 1-2.	1.6	0
72	Trend Assessment for a CO2 and CH4 Data Series in Northern Spain. Proceedings (mdpi), 2017, 1, .	0.2	0

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73	Statistical urban plume analysis using observations and air mass modelling at a rural station in the northern Spanish plateau. Air Quality, Atmosphere and Health, 2020, 13, 1343-1350.	3.3	0
74	Measuring temperature trends in the Mediterranean basin. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 222, 105713.	1.6	0