# Isidro A PÃ©rez

List of Publications by Year
in descending order

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

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

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | 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 |
| 2 | Spatial analysis and evolution of four air pollutants in England and Wales. Science of the Total Environment, 2021, 774, 145665. | 8.0 | 1 |
| 3 | 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 |
| 4 | Measuring temperature trends in the Mediterranean basin. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 222, 105713. | 1.6 | 0 |
| 5 | Analysis of Ozone Concentrations between 2002â€“2020 in Urban Air in Northern Spain. Atmosphere, 2021, 12, 1495. | 2.3 | 3 |
| 6 | Wind Speed Analysis of Hurricane Sandy. Atmosphere, 2021, 12, 1480. | 2.3 | 1 |
| 7 | Local regressions for decomposing CO2 and CH4 time-series in a semi-arid ecosystem. Atmospheric Pollution Research, 2020, 11, 213-223. | 3.8 | 5 |
| 8 | Key Points in Air Pollution Meteorology. International Journal of Environmental Research and Public Health, 2020, 17, 8349. | 2.6 | 24 |
| 9 | 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 |
| 10 | Statistical Analysis of the CO2 and CH4 Annual Cycle on the Northern Plateau of the Iberian Peninsula. Atmosphere, 2020, 11, 769. | 2.3 | 3 |
| 11 | Lower Atmosphere Meteorology. Atmosphere, 2019, 10, 609. | 2.3 | 2 |
| 12 | CO2 spatio-temporal analysis in the Iberian Peninsula. Science of the Total Environment, 2019, 686, 322-331. | 8.0 | 1 |
| 13 | Influence of dataset density on CO2 and CH4 trend calculation. Air Quality, Atmosphere and Health, 2019, 12, 613-625. | 3.3 | 1 |
| 14 | 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 |
| 15 | 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 |
| 16 | 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 |
| 17 | SCOPE model applied for rapeseed in Spain. Science of the Total Environment, 2018, 627, 417-426. | 8.0 | 2 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Analysis of the airflow at the centre of the upper plateau on the Iberian Peninsula and its link to CO<sub>2</sub> and CH<sub>4</sub> concentrations. International Journal of Climatology, 2018, 38, 2126-2137. | 3.5 | 3 |
| 21 | CO2 AND CH4 URBAN PLUME OVER A MEDITERRANEAN SEMI-NATURAL SITE IN THE IBERIAN PENINSULA. , 2018, , . | | 1 |
| 22 | 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 |
| 23 | 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 |
| 24 | Wind speed description and power density in northern Spain. Energy, 2017, 138, 967-976. | 8.8 | 28 |
| 25 | Boundaries of air mass trajectory clustering: key points and applications. International Journal of Environmental Science and Technology, 2017, 14, 653-662. | 3.5 | 3 |
| 26 | Trend Assessment for a CO2 and CH4 Data Series in Northern Spain. Proceedings (mdpi), 2017, 1, . | 0.2 | 0 |
| 27 | 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 |
| 28 | 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 |
| 29 | Applications of Air Mass Trajectories. Advances in Meteorology, 2015, 2015, 1-20. | 1.6 | 14 |
| 30 | Applications of Air Trajectories. Advances in Meteorology, 2015, 2015, 1-2. | 1.6 | 0 |
| 31 | Daily patterns of CO2 in the lower atmosphere of a rural site. Theoretical and Applied Climatology, 2015, 122, 195-205. | 2.8 | 4 |
| 32 | Cluster analysis applied to CO2 concentrations at a rural site. Environmental Science and Pollution Research, 2015, 22, 1954-1962. | 5.3 | 1 |
| 33 | 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 |
| 34 | Energy balance and partitioning over a rotating rapeseed crop. Agricultural Water Management, 2015, 161, 31-40. | 5.6 | 12 |
| 35 | 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 |
| 36 | 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 |

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| 37 | CH4 continuous measurements in the upper Spanish plateau. Environmental Monitoring and Assessment, 2014, 186, 2823-2834. | 2.7 | 15 |
| 38 | SEBS validation in a Spanish rotating crop. Agricultural and Forest Meteorology, 2014, 195-196, 132-142. | 4.8 | 21 |
| 39 | Analysis of carbon dioxide concentration skewness at a rural site. Science of the Total Environment, 2014, 476-477, 158-164. | 8.0 | 7 |
| 40 | 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 |
| 41 | Analysis and fit of surface CO2 concentrations at a rural site. Environmental Science and Pollution Research, 2012, 19, 3015-3027. | 5.3 | 9 |
| 42 | Spatial analysis of CO2 concentration in an unpolluted environment in northern Spain. Journal of Environmental Management, 2012, 113, 417-425. | 7.8 | 10 |
| 43 | 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 |
| 44 | 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 |
| 45 | CO2 dilution in the lower atmosphere from temperature and wind speed profiles. Theoretical and Applied Climatology, 2012, 107, 247-253. | 2.8 | 6 |
| 46 | Persistence analysis of CO2 concentrations recorded at a rural site in the upper Spanish plateau. Atmospheric Research, 2011, 100, 45-50. | 4.1 | 9 |
| 47 | Directional analysis of CO2 persistence at a rural site. Science of the Total Environment, 2011, 409, 3887-3893. | 8.0 | 3 |
| 48 | 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 |
| 49 | Analysis of two atmospheric dispersion schemes from CO<sub>2</sub> surface concentrations at a rural site. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 394-401. | 2.7 | 0 |
| 50 | Synoptic weather patterns associated with carbon dioxide levels in Northern Spain. Science of the Total Environment, 2010, 408, 3411-3417. | 8.0 | 17 |
| 51 | 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 |
| 52 | Boundary layer structure and stability classification validated with CO<sub>2</sub> concentrations over the Northern Spanish Plateau. Annales Geophysicae, 2009, 27, 339-349. | 1.6 | 8 |
| 53 | CO2 transport by urban plumes in the upper Spanish plateau. Science of the Total Environment, 2009, 407, 4934-4938. | 8.0 | 27 |
| 54 | 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 |

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| 55 | A classification of CO2 concentrations based on a binary meteorological six variable system. Agricultural and Forest Meteorology, 2009, 149, 1686-1692. | 4.8 | 12 |
| 56 | 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 |
| 57 | Description and distribution fitting of transformed sodar wind observations. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 89-100. | 1.6 | 5 |
| 58 | 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 |
| 59 | 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 |
| 60 | 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 |
| 61 | Weibull wind speed distribution: Numerical considerations and use with sodar data. Journal of Geophysical Research, 2007, 112, . | 3.3 | 13 |
| 62 | 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 |
| 63 | Analysis of directional meteorological data by means of cylindrical models. Renewable Energy, 2007, 32, 459-473. | 8.9 | 10 |
| 64 | 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 |
| 65 | 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 |
| 66 | Analysis and parameterisation of wind profiles in the low atmosphere. Solar Energy, 2005, 78, 809-821. | 6.1 | 34 |
| 67 | Ground level ozone concentrations at a rural location in northern Spain. Science of the Total Environment, 2005, 348, 135-150. | 8.0 | 46 |
| 68 | Ozone concentrations at a high altitude station in the Central Massif (Spain). Chemosphere, 2005, 60, 576-584. | 8.2 | 22 |
| 69 | 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 |
| 70 | Autocorrelation Analysis of Meteorological Data from a RASS Sodar. Journal of Applied Meteorology and Climatology, 2004, 43, 1213-1223. | 1.7 | 12 |
| 71 | Soil CO2 fluxes beneath barley on the central Spanish plateau. Agricultural and Forest Meteorology, 2003, 118, 85-95. | 4.8 | 47 |
| 72 | 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 |

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| 73 | 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 |
| 74 | A stochastic model to forecast lead pollutant. Il Nuovo Cimento Della SocietÃ Italiana Di Fisica C, 1989, 12, 415-425. | 0.2 | 2 |