

Pedro Salvador

List of Publications by Year in descending order

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48
papers

3,082
citations

201658

27
h-index

223791

46
g-index

54
all docs

54
docs citations

54
times ranked

3312
citing authors

#	ARTICLE	IF	CITATIONS
1	Increasing atmospheric dust transport towards the western Mediterranean over 1948–2020. <i>Npj Climate and Atmospheric Science</i> , 2022, 5, .	6.8	17
2	Synoptic classification of meteorological patterns and their impact on air pollution episodes and new particle formation processes in a south European air basin. <i>Atmospheric Environment</i> , 2021, 245, 118016.	4.1	22
3	Learning from the COVID-19 lockdown in Berlin: Observations and modelling to support understanding policies to reduce NO ₂ . <i>Atmospheric Environment: X</i> , 2021, 12, 100122.	1.4	11
4	Feasibility of Ceilometers Data to Estimate Radiative Forcing Values: Application to Different Conditions around the COVID-19 Lockdown Period. <i>Remote Sensing</i> , 2020, 12, 3699.	4.0	8
5	Impact of mixing layer height variations on air pollutant concentrations and health in a European urban area: Madrid (Spain), a case study. <i>Environmental Science and Pollution Research</i> , 2020, 27, 41702-41716.	5.3	8
6	Saharan dust intrusions in the Iberian Peninsula: Predominant synoptic conditions. <i>Science of the Total Environment</i> , 2020, 717, 137041.	8.0	40
7	Characterization of organic aerosol at a rural site influenced by olive waste biomass burning. <i>Chemosphere</i> , 2020, 248, 125896.	8.2	12
8	Influence of the origin of the air mass on the background levels of atmospheric particulate matter and secondary inorganic compounds in the Madrid air basin. <i>Environmental Science and Pollution Research</i> , 2019, 26, 30426-30443.	5.3	10
9	Impact of air pollution on low birth weight in Spain: An approach to a National Level Study. <i>Environmental Research</i> , 2019, 171, 69-79.	7.5	21
10	African dust and air quality over Spain: Is it only dust that matters?. <i>Science of the Total Environment</i> , 2019, 686, 737-752.	8.0	65
11	Extreme, wintertime Saharan dust intrusion in the Iberian Peninsula: Lidar monitoring and evaluation of dust forecast models during the February 2017 event. <i>Atmospheric Research</i> , 2019, 228, 223-241.	4.1	44
12	Synergistic effect of the occurrence of African dust outbreaks on atmospheric pollutant levels in the Madrid metropolitan area. <i>Atmospheric Research</i> , 2019, 226, 208-218.	4.1	25
13	Impact on mortality of biomass combustion from wildfires in Spain: A regional analysis. <i>Science of the Total Environment</i> , 2018, 622-623, 547-555.	8.0	18
14	Characterization of biomass burning from olive grove areas: A major source of organic aerosol in PM ₁₀ of Southwest Europe. <i>Atmospheric Research</i> , 2018, 199, 1-13.	4.1	9
15	Application of remote sensing techniques to study aerosol water vapour uptake in a real atmosphere. <i>Atmospheric Research</i> , 2018, 202, 112-127.	4.1	14
16	Source apportionment of atmospheric aerosol in a marine dusty environment by ionic/composition mass balance (IMB). <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13215-13230.	4.9	13
17	Phenomenology of summer ozone episodes over the Madrid Metropolitan Area, central Spain. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6511-6533.	4.9	42
18	Ozone, SO _x and NO _x , Particulate Matter, and Urban Air. , 2018, , 7-21.		2

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19	Real-time monitoring of atmospheric ammonia during a pollution episode in Madrid (Spain). <i>Atmospheric Environment</i> , 2018, 189, 80-88.	4.1	26
20	Saharan dust intrusions in Spain: Health impacts and associated synoptic conditions. <i>Environmental Research</i> , 2017, 156, 455-467.	7.5	75
21	Aerosol optical, microphysical and radiative forcing properties during variable intensity African dust events in the Iberian Peninsula. <i>Atmospheric Research</i> , 2017, 196, 129-141.	4.1	13
22	Composition and origin of PM 10 in Cape Verde: Characterization of long-range transport episodes. <i>Atmospheric Environment</i> , 2016, 127, 326-339.	4.1	47
23	Multicriteria approach to interpret the variability of the levels of particulate matter and gaseous pollutants in the Madrid metropolitan area, during the 1999-2012 period. <i>Atmospheric Environment</i> , 2015, 109, 205-216.	4.1	26
24	Short-term effects of particulate matter constituents on daily hospitalizations and mortality in five South-European cities: Results from the MED-PARTICLES project. <i>Environment International</i> , 2015, 75, 151-158.	10.0	100
25	Size fractionated aerosol composition at roadside and background environments in the Madrid urban atmosphere. <i>Atmospheric Research</i> , 2014, 138, 278-292.	4.1	38
26	African dust outbreaks over the western Mediterranean Basin: 11-year characterization of atmospheric circulation patterns and dust source areas. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6759-6775.	4.9	132
27	African dust contribution to ambient aerosol levels across central Spain: Characterization of long-range transport episodes of desert dust. <i>Atmospheric Research</i> , 2013, 127, 117-129.	4.1	65
28	Variability of carbonaceous aerosols in remote, rural, urban and industrial environments in Spain: implications for air quality policy. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6185-6206.	4.9	104
29	Evaluation of the changes in the Madrid metropolitan area influencing air quality: Analysis of 1999-2008 temporal trend of particulate matter. <i>Atmospheric Environment</i> , 2012, 57, 175-185.	4.1	42
30	Spatial and temporal variations in PM10 and PM2.5 across Madrid metropolitan area in 1999-2008. <i>Procedia Environmental Sciences</i> , 2011, 4, 198-208.	1.4	18
31	Modelling the influence of peri-urban trees in the air quality of Madrid region (Spain). <i>Environmental Pollution</i> , 2011, 159, 2138-2147.	7.5	48
32	Short-term secondary organic carbon estimations with a modified OC/EC primary ratio method at a suburban site in Madrid (Spain). <i>Atmospheric Environment</i> , 2011, 45, 2496-2506.	4.1	43
33	Evaluation of aerosol sources at European high altitude background sites with trajectory statistical methods. <i>Atmospheric Environment</i> , 2010, 44, 2316-2329.	4.1	65
34	Assessing the Performance of Methods to Detect and Quantify African Dust in Airborne Particulates. <i>Environmental Science & Technology</i> , 2010, 44, 8814-8820.	10.0	34
35	Spatial and temporal variations in airborne particulate matter (PM10 and PM2.5) across Spain 1999-2005. <i>Atmospheric Environment</i> , 2008, 42, 3964-3979.	4.1	287
36	A combined analysis of backward trajectories and aerosol chemistry to characterise long-range transport episodes of particulate matter: The Madrid air basin, a case study. <i>Science of the Total Environment</i> , 2008, 390, 495-506.	8.0	75

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37	Source origin of trace elements in PM from regional background, urban and industrial sites of Spain. Atmospheric Environment, 2007, 41, 7219-7231.	4.1	396
38	Characterisation of local and external contributions of atmospheric particulate matter at a background coastal site. Atmospheric Environment, 2007, 41, 1-17.	4.1	75
39	Variations in atmospheric PM trace metal content in Spanish towns: Illustrating the chemical complexity of the inorganic urban aerosol cocktail. Atmospheric Environment, 2006, 40, 6791-6803.	4.1	126
40	Influence of traffic on the PM10 and PM2.5 urban aerosol fractions in Madrid (Spain). Science of the Total Environment, 2004, 334-335, 111-123.	8.0	75
41	Levels of particulate matter in rural, urban and industrial sites in Spain. Science of the Total Environment, 2004, 334-335, 359-376.	8.0	159
42	Identification and characterisation of sources of PM10 in Madrid (Spain) by statistical methods. Atmospheric Environment, 2004, 38, 435-447.	4.1	173
43	Speciation and origin of PM10 and PM2.5 in Spain. Journal of Aerosol Science, 2004, 35, 1151-1172.	3.8	246
44	Anthropogenic and natural influence on the PM10 and PM2.5 aerosol in Madrid (Spain). Analysis of high concentration episodes. Environmental Pollution, 2003, 125, 453-465.	7.5	137
45	Application of a lidar system to the estimation of the ambient aerosol source. , 2002, , .		0
46	Assessment of airborne particulate levels in Spain in relation to the new EU-directive. Atmospheric Environment, 2001, 35, 43-53.	4.1	65
47	A COMPARISON OF GRAVIMETRIC AND CONTINUOUS METHODS FOR PM10 MEASSUREMENT IN SUMMER-AUTUMN PERIOD IN AN URBAN AREA IN SPAIN. Journal of Aerosol Science, 2001, 32, 773-774.	3.8	1
48	TOTAL SUSPENDED PARTICLES AND PM10 IN AMBIENT AIR IN MADRID (SPAIN). Journal of Aerosol Science, 2001, 32, 771-772.	3.8	4