

# Gregorio Maqueda Burgos

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

486  
citations

759233

12  
h-index

996975

15  
g-index

18  
all docs

18  
docs citations

18  
times ranked

609  
citing authors

#	ARTICLE	IF	CITATIONS
1	Forecasting radiation fog at climatologically contrasting sites: evaluation of statistical methods and WRF. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1048-1063.	2.7	69
2	Influence of stability on the flux-profile relationships for wind speed, <math>\hat{w}'</math>, and temperature, <math>\hat{\theta}'</math>, for the stable atmospheric boundary layer. Nonlinear Processes in Geophysics, 2006, 13, 185-203.	1.3	67
3	Assessment of microscale spatio-temporal variation of air pollution at an urban hotspot in Madrid (Spain) through an extensive field campaign. Atmospheric Environment, 2016, 140, 432-445.	4.1	59
4	Urban vegetation and particle air pollution: Experimental campaigns in a traffic hotspot. Environmental Pollution, 2019, 247, 195-205.	7.5	44
5	Propagation and Effects of a Mesoscale Gravity Wave Over a Weakly-Stratified Nocturnal Boundary Layer During the SABLES2006 Field Campaign. Boundary-Layer Meteorology, 2009, 133, 165-188.	2.3	41
6	Application of a short term air quality action plan in Madrid (Spain) under a high-pollution episode - Part I: Diagnostic and analysis from observations. Science of the Total Environment, 2018, 635, 1561-1573.	8.0	40
7	Convective and stratiform precipitation trends in the Spanish Mediterranean coast. Atmospheric Research, 2013, 119, 46-55.	4.1	35
8	Characteristics of turbulence in the lower atmosphere at Halley IV station, Antarctica. Dynamics of Atmospheres and Oceans, 2001, 34, 205-223.	1.8	34
9	Radiation and cloud-base lowering fog events: Observational analysis and evaluation of WRF and HARMONIE. Atmospheric Research, 2019, 229, 190-207.	4.1	23
10	Estimating fog-top height through near-surface micrometeorological measurements. Atmospheric Research, 2016, 170, 76-86.	4.1	17
11	Atmospheric Boundary-Layer Evening Transitions: A Comparison Between Two Different Experimental Sites. Boundary-Layer Meteorology, 2015, 157, 375-399.	2.3	16
12	Comparing mountain breezes and their impacts on CO2 mixing ratios at three contrasting areas. Atmospheric Research, 2019, 221, 111-126.	4.1	16
13	Vertical structure of the stable boundary layer detected by RASS-SODAR and in-situ measurements in SABLES 2006 field campaign. Acta Geophysica, 2012, 60, 1261-1286.	2.0	10
14	Near-monochromatic ducted gravity waves associated with a convective system close to the Pyrenees. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 1320-1332.	2.7	9
15	From weak to intense downslope winds: origin, interaction with boundary-layer turbulence and impact on CO<sub>2</sub> variability. Atmospheric Chemistry and Physics, 2019, 19, 4615-4635.	4.9	5
16	Influence of atmospheric stratification on the integral scale and fractal dimension of turbulent flows. Nonlinear Processes in Geophysics, 2016, 23, 407-417.	1.3	0