

Joan A Lopez-Bustins

List of Publications by Year in descending order

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Version: 2024-02-01

34
papers

1,372
citations

471509

17
h-index

395702

33
g-index

41
all docs

41
docs citations

41
times ranked

1733
citing authors

#	ARTICLE	IF	CITATIONS
1	The Western Mediterranean Oscillation and rainfall in the Iberian Peninsula. International Journal of Climatology, 2006, 26, 1455-1475.	3.5	335
2	Monthly precipitation trends on the Mediterranean fringe of the Iberian Peninsula during the second half of the twentieth century (1951–2000). International Journal of Climatology, 2009, 29, 1415-1429.	3.5	144
3	Homogenization and Assessment of Observed Near-Surface Wind Speed Trends over Spain and Portugal, 1961–2011*. Journal of Climate, 2014, 27, 3692-3712.	3.2	132
4	Iberia winter rainfall trends based upon changes in teleconnection and circulation patterns. Global and Planetary Change, 2008, 63, 171-176.	3.5	119
5	Spatial and temporal analysis of drought variability at several time scales in Syria during 1961–2012. Atmospheric Research, 2018, 200, 153-168.	4.1	99
6	Estimating Barcelona's metropolitan daytime hot and cold poles using Landsat-8 Land Surface Temperature. Science of the Total Environment, 2020, 699, 134307.	8.0	58
7	Impacts of climate change on water resources in the Mediterranean Basin: a case study in Catalonia, Spain. Hydrological Sciences Journal, 2015, 60, 2132-2147.	2.6	42
8	Spatiotemporal variability of daily precipitation concentration and its relationship to teleconnection patterns over the Mediterranean during 1975–2015. International Journal of Climatology, 2020, 40, 1435-1455.	3.5	41
9	Observed Changes in Daily Precipitation Extremes at Annual Timescale Over the Eastern Mediterranean During 1961–2012. Pure and Applied Geophysics, 2018, 175, 3875-3890.	1.9	36
10	Climate warming amplified the 2020 record-breaking heatwave in the Antarctic Peninsula. Communications Earth & Environment, 2022, 3, .	6.8	35
11	Did anomalous atmospheric circulation favor the spread of COVID-19 in Europe?. Environmental Research, 2021, 194, 110626.	7.5	32
12	Mediterranean-Scale Drought: Regional Datasets for Exceptional Meteorological Drought Events during 1975–2019. Atmosphere, 2021, 12, 941.	2.3	27
13	Combining circulation weather types and daily precipitation modelling to derive climatic precipitation regions in the Pyrenees. Atmospheric Research, 2019, 220, 181-193.	4.1	26
14	Future variability of droughts in three Mediterranean catchments. Natural Hazards, 2013, 69, 1405-1421.	3.4	25
15	synoptReg: An R package for computing a synoptic climate classification and a spatial regionalization of environmental data. Environmental Modelling and Software, 2019, 118, 114-119.	4.5	24
16	Upper-Level Mediterranean Oscillation index and seasonal variability of rainfall and temperature. Theoretical and Applied Climatology, 2019, 135, 1059-1077.	2.8	23
17	An automated sea breeze selection technique based on regional sea-level pressure difference: WeMOi. International Journal of Climatology, 2008, 28, 1681-1692.	3.5	21
18	The influence of the Western Mediterranean Oscillation upon the spatio-temporal variability of precipitation over Catalonia (northeastern of the Iberian Peninsula). Atmospheric Research, 2020, 236, 104819.	4.1	18

#	ARTICLE	IF	CITATIONS
19	Summer night-time temperature trends on the Iberian Peninsula and their connection with large-scale atmospheric circulation patterns. International Journal of Climatology, 2012, 32, 1326-1335.	3.5	14
20	Precipitation in peninsular Spain: Influence of teleconnection indices and spatial regionalisation. International Journal of Climatology, 2021, 41, E1320.	3.5	14
21	The role of the stratosphere in Iberian Peninsula rainfall: A preliminary approach in February. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 1471-1484.	1.6	12
22	A mixed application of an objective synoptic classification and spatial regression models for deriving winter precipitation regimes in the Eastern Pyrenees. International Journal of Climatology, 2019, 39, 2244-2259.	3.5	12
23	Intra-annual variability of the Western Mediterranean Oscillation (WeMO) and occurrence of extreme torrential precipitation in Catalonia (NE Iberia). Natural Hazards and Earth System Sciences, 2020, 20, 2483-2501.	3.6	12
24	Seasonal temperature trends on the Spanish mainland: A secular study (1916–2015). International Journal of Climatology, 2021, 41, 3071-3084.	3.5	11
25	Temporal changes in extreme precipitation and exposure of tourism in Eastern and South-Eastern Spain. Theoretical and Applied Climatology, 2021, 144, 379-390.	2.8	8
26	Characterisation of Extreme Precipitation Events in the Pyrenees: From the Local to the Synoptic Scale. Atmosphere, 2021, 12, 665.	2.3	8
27	Assessing internal changes in the future structure of dry-hot compound events: the case of the Pyrenees. Natural Hazards and Earth System Sciences, 2021, 21, 1721-1738.	3.6	8
28	Climate Change at the Local Scale: Trends, Impacts and Adaptations in a Northwestern Mediterranean Region (Costa Brava, NE Iberian Peninsula). International Journal of Climate Change: Impacts and Responses, 2010, 2, 247-264.	0.3	8
29	Spatial and temporal temperature trends in the lower stratosphere during the extended boreal winter from reanalyses. International Journal of Climatology, 2015, 35, 3888-3901.	3.5	7
30	Global change and viticulture in the Mediterranean region: a case of study in north-eastern Spain. Spanish Journal of Agricultural Research, 2014, 12, 78.	0.6	6
31	Variabilidad intraanual de la Oscilación del Mediterráneo Occidental (WeMO) y ocurrencia de episodios torrenciales en Cataluña. , 2016, , 171-182.		5
32	Synoptic causes of torrential rainfall in South-eastern Spain (1941–2017). Cuadernos De Investigacion Geografica, 2021, 47, 143-162.	1.1	4
33	The consecutive disparity of precipitation in conterminous Spain. Theoretical and Applied Climatology, 2022, 147, 1151-1161.	2.8	4
34	GLOBAL CHANGE INFLUENCE ON WINE QUALITY IN PRIORAT AND MONTSANT (NE SPAIN). Acta Horticulturae, 2012, , 39-46.	0.2	2