

Santiago BeguerÀ-a

List of Publications by Year in descending order

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Version: 2024-02-01

156
papers

20,015
citations

22099

59
h-index

11030

137
g-index

194
all docs

194
docs citations

194
times ranked

16433
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiscalar Drought Index Sensitive to Global Warming: The Standardized Precipitation Evapotranspiration Index. <i>Journal of Climate</i> , 2010, 23, 1696-1718.	1.2	5,467
2	Standardized precipitation evapotranspiration index (SPEI) revisited: parameter fitting, evapotranspiration models, tools, datasets and drought monitoring. <i>International Journal of Climatology</i> , 2014, 34, 3001-3023.	1.5	1,167
3	Response of vegetation to drought time-scales across global land biomes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 52-57.	3.3	1,077
4	Mediterranean water resources in a global change scenario. <i>Earth-Science Reviews</i> , 2011, 105, 121-139.	4.0	687
5	Performance of Drought Indices for Ecological, Agricultural, and Hydrological Applications. <i>Earth Interactions</i> , 2012, 16, 1-27.	0.7	635
6	A New Global 0.5° Gridded Dataset (1901–2006) of a Multiscalar Drought Index: Comparison with Current Drought Index Datasets Based on the Palmer Drought Severity Index. <i>Journal of Hydrometeorology</i> , 2010, 11, 1033-1043.	0.7	537
7	Evidence of increasing drought severity caused by temperature rise in southern Europe. <i>Environmental Research Letters</i> , 2014, 9, 044001.	2.2	506
8	Rainfall erosivity in Europe. <i>Science of the Total Environment</i> , 2015, 511, 801-814.	3.9	443
9	A meta-analysis of soil erosion rates across the world. <i>Geomorphology</i> , 2015, 239, 160-173.	1.1	376
10	Validation and Evaluation of Predictive Models in Hazard Assessment and Risk Management. <i>Natural Hazards</i> , 2006, 37, 315-329.	1.6	370
11	Accurate Computation of a Streamflow Drought Index. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 318-332.	0.8	361
12	A Multiscalar Global Drought Dataset: The SPEIbase: A New Gridded Product for the Analysis of Drought Variability and Impacts. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 1351-1356.	1.7	274
13	Catchment soil moisture and rainfall characteristics as determinant factors for discharge/suspended sediment hysteretic loops in a small headwater catchment in the Spanish pyrenees. <i>Journal of Hydrology</i> , 2004, 288, 299-311.	2.3	270
14	Erosion in Mediterranean landscapes: Changes and future challenges. <i>Geomorphology</i> , 2013, 198, 20-36.	1.1	254
15	Contribution of precipitation and reference evapotranspiration to drought indices under different climates. <i>Journal of Hydrology</i> , 2015, 526, 42-54.	2.3	245
16	The impact of droughts and water management on various hydrological systems in the headwaters of the Tagus River (central Spain). <i>Journal of Hydrology</i> , 2010, 386, 13-26.	2.3	227
17	Estimating rainfall erosivity from daily precipitation records: A comparison among methods using data from the Ebro Basin (NE Spain). <i>Journal of Hydrology</i> , 2009, 379, 111-121.	2.3	196
18	Assessing the Effect of Climate Oscillations and Land-use Changes on Streamflow in the Central Spanish Pyrenees. <i>Ambio</i> , 2003, 32, 283-286.	2.8	192

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19	Drought impacts on vegetation activity in the Mediterranean region: An assessment using remote sensing data and multi-scale drought indicators. <i>Global and Planetary Change</i> , 2017, 151, 15-27.	1.6	168
20	Uncertainties in partial duration series modelling of extremes related to the choice of the threshold value. <i>Journal of Hydrology</i> , 2005, 303, 215-230.	2.3	162
21	Changes in land cover and shallow landslide activity: A case study in the Spanish Pyrenees. <i>Geomorphology</i> , 2006, 74, 196-206.	1.1	157
22	Mapping monthly rainfall erosivity in Europe. <i>Science of the Total Environment</i> , 2017, 579, 1298-1315.	3.9	142
23	A GIS-based numerical model for simulating the kinematics of mud and debris flows over complex terrain. <i>Natural Hazards and Earth System Sciences</i> , 2009, 9, 1897-1909.	1.5	140
24	Ongoing and Emerging Questions in Water Erosion Studies. <i>Land Degradation and Development</i> , 2017, 28, 5-21.	1.8	137
25	Hydrological response to climate variability at different time scales: A study in the Ebro basin. <i>Journal of Hydrology</i> , 2013, 477, 175-188.	2.3	131
26	Assessing trends in extreme precipitation events intensity and magnitude using non-stationary peaks-over-threshold analysis: a case study in northeast Spain from 1930 to 2006. <i>International Journal of Climatology</i> , 2011, 31, 2102-2114.	1.5	128
27	Challenges for drought mitigation in Africa: The potential use of geospatial data and drought information systems. <i>Applied Geography</i> , 2012, 34, 471-486.	1.7	127
28	Dam effects on droughts magnitude and duration in a transboundary basin: The Lower River Tagus, Spain and Portugal. <i>Water Resources Research</i> , 2009, 45, .	1.7	125
29	A High Resolution Dataset of Drought Indices for Spain. <i>Data</i> , 2017, 2, 22.	1.2	125
30	Trends in daily precipitation on the northeastern Iberian Peninsula, 1955-2006. <i>International Journal of Climatology</i> , 2010, 30, 1026-1041.	1.5	121
31	A multiscale global evaluation of the impact of ENSO on droughts. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	120
32	A complete daily precipitation database for northeast Spain: reconstruction, quality control, and homogeneity. <i>International Journal of Climatology</i> , 2010, 30, 1146-1163.	1.5	119
33	Comment on "Characteristics and trends in various forms of the Palmer Drought Severity Index (PDSI) during 1900-2008" by Aiguo Dai. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	116
34	Drought Variability and Land Degradation in Semiarid Regions: Assessment Using Remote Sensing Data and Drought Indices (1982-2011). <i>Remote Sensing</i> , 2015, 7, 4391-4423.	1.8	106
35	Mapping rainfall erosivity at a regional scale: a comparison of interpolation methods in the Ebro Basin (NE Spain). <i>Hydrology and Earth System Sciences</i> , 2009, 13, 1907-1920.	1.9	102
36	Extreme winter precipitation in the Iberian Peninsula in 2010: anomalies, driving mechanisms and future projections. <i>Climate Research</i> , 2011, 46, 51-65.	0.4	100

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37	Trends in high flows in the central Spanish Pyrenees: response to climatic factors or to land-use change?. <i>Hydrological Sciences Journal</i> , 2006, 51, 1039-1050.	1.2	97
38	Estimating extreme dry-spell risk in the middle Ebro valley (northeastern Spain): a comparative analysis of partial duration series with a general Pareto distribution and annual maxima series with a Gumbel distribution. <i>International Journal of Climatology</i> , 2003, 23, 1103-1118.	1.5	96
39	Mapping the Hazard of Extreme Rainfall by Peaks over Threshold Extreme Value Analysis and Spatial Regression Techniques. <i>Journal of Applied Meteorology and Climatology</i> , 2006, 45, 108-124.	0.6	95
40	Regional Crop Gross Primary Productivity and Yield Estimation Using Fused Landsat-MODIS Data. <i>Remote Sensing</i> , 2018, 10, 372.	1.8	92
41	Regional scale modeling of hillslope sediment delivery: A case study in the Barasona Reservoir watershed (Spain) using WATEM/SEDEM. <i>Journal of Hydrology</i> , 2010, 391, 109-123.	2.3	86
42	Global Assessment of the Standardized Evapotranspiration Deficit Index (SEDI) for Drought Analysis and Monitoring. <i>Journal of Climate</i> , 2018, 31, 5371-5393.	1.2	86
43	Comment on "Candidate distributions for climatological drought indices (SPI and SPEI)" by James H. Stagge et al. <i>International Journal of Climatology</i> , 2016, 36, 2120-2131.	1.5	85
44	Modelling the rate of secondary succession after farmland abandonment in a Mediterranean mountain area. <i>Landscape and Urban Planning</i> , 2007, 83, 245-254.	3.4	80
45	Runoff generation in an intensively disturbed, abandoned farmland catchment, Central Spanish Pyrenees. <i>Catena</i> , 2005, 59, 79-92.	2.2	79
46	The complex influence of ENSO on droughts in Ecuador. <i>Climate Dynamics</i> , 2017, 48, 405-427.	1.7	78
47	Soil erosion and sediment delivery in a mountain catchment under scenarios of land use change using a spatially distributed numerical model. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 1321-1334.	1.9	75
48	Splash erosion under natural rainfall on three soil types in NE Spain. <i>Geomorphology</i> , 2012, 175-176, 38-44.	1.1	74
49	The impact of drought on the productivity of two rainfed crops in Spain. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 1215-1234.	1.5	74
50	Annual and seasonal mapping of peak intensity, magnitude and duration of extreme precipitation events across a climatic gradient, northeast Spain. <i>International Journal of Climatology</i> , 2009, 29, 1759-1779.	1.5	73
51	Factors Explaining the Spatial Distribution of Hillslope Debris Flows. <i>Mountain Research and Development</i> , 2002, 22, 32-39.	0.4	72
52	Effects of warming processes on droughts and water resources in the NW Iberian Peninsula (1930~2006). <i>Climate Research</i> , 2011, 48, 203-212.	0.4	72
53	From plot to regional scales: Interactions of slope and catchment hydrological and geomorphic processes in the Spanish Pyrenees. <i>Geomorphology</i> , 2010, 120, 248-257.	1.1	71
54	Fluvial adjustments to soil erosion and plant cover changes in the central spanish pyrenees. <i>Geografiska Annaler, Series A: Physical Geography</i> , 2006, 88, 177-186.	0.6	70

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55	SPREAD: a high-resolution daily gridded precipitation dataset for Spain – an extreme events frequency and intensity overview. <i>Earth System Science Data</i> , 2017, 9, 721-738.	3.7	70
56	Daily atmospheric circulation events and extreme precipitation risk in northeast Spain: Role of the North Atlantic Oscillation, the Western Mediterranean Oscillation, and the Mediterranean Oscillation. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	66
57	Comparison of precipitation measurements by OTT Parsivel<sup>2</sup> and Thies LPM optical disdrometers. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 2811-2837.	1.9	66
58	Long-term thinning effects on tree growth, drought response and water use efficiency at two Aleppo pine plantations in Spain. <i>Science of the Total Environment</i> , 2020, 728, 138536.	3.9	66
59	Variability of snow depth at the plot scale: implications for mean depth estimation and sampling strategies. <i>Cryosphere</i> , 2011, 5, 617-629.	1.5	63
60	Monthly Rainfall Erosivity: Conversion Factors for Different Time Resolutions and Regional Assessments. <i>Water (Switzerland)</i> , 2016, 8, 119.	1.2	60
61	Influence of the North Atlantic Oscillation on water resources in central Iberia: Precipitation, streamflow anomalies, and reservoir management strategies. <i>Water Resources Research</i> , 2007, 43, .	1.7	59
62	Bias in the variance of gridded data sets leads to misleading conclusions about changes in climate variability. <i>International Journal of Climatology</i> , 2016, 36, 3413-3422.	1.5	59
63	Spatio-temporal variability of daily precipitation concentration in Spain based on a high-resolution gridded data set. <i>International Journal of Climatology</i> , 2018, 38, e518.	1.5	59
64	Identification of eroded areas using remote sensing in a badlands landscape on marls in the central Spanish Pyrenees. <i>Catena</i> , 2009, 76, 182-190.	2.2	58
65	Recent and Intense Dynamics in a Formerly Static Pyrenean Treeline. <i>Arctic, Antarctic, and Alpine Research</i> , 2015, 47, 773-783.	0.4	58
66	Use of disdrometer data to evaluate the relationship of rainfall kinetic energy and intensity (KE-I). <i>Science of the Total Environment</i> , 2016, 568, 83-94.	3.9	57
67	Modelling the impact of forest loss on shallow landslide sediment yield, Ijuez river catchment, Spanish Pyrenees. <i>Hydrology and Earth System Sciences</i> , 2007, 11, 569-583.	1.9	56
68	Geomorphic and Hydrological Effects of Traditional Shifting Agriculture in a Mediterranean Mountain Area, Central Spanish Pyrenees. <i>Mountain Research and Development</i> , 2006, 26, 146-152.	0.4	55
69	Analysis of the atmospheric circulation pattern effects over SPEI drought index in Spain. <i>Atmospheric Research</i> , 2019, 230, 104630.	1.8	55
70	Climate, Irrigation, and Land Cover Change Explain Streamflow Trends in Countries Bordering the Northeast Atlantic. <i>Geophysical Research Letters</i> , 2019, 46, 10821-10833.	1.5	55
71	Identification of Mangrove Areas by Remote Sensing: The ROC Curve Technique Applied to the Northwestern Mexico Coastal Zone Using Landsat Imagery. <i>Remote Sensing</i> , 2011, 3, 1568-1583.	1.8	54
72	An Exceptional Rainfall Event in the Central Western Pyrenees: Spatial Patterns in Discharge and Impact. <i>Land Degradation and Development</i> , 2015, 26, 249-262.	1.8	54

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73	High-resolution spatio-temporal analyses of drought episodes in the western Mediterranean basin (Spanish mainland, Iberian Peninsula). <i>Acta Geophysica</i> , 2018, 66, 381-392.	1.0	53
74	Influence of the Yesa reservoir on floods of the Aragón River, central Spanish Pyrenees. <i>Hydrology and Earth System Sciences</i> , 2002, 6, 753-762.	1.9	52
75	Land cover changes and shallow landsliding in the flysch sector of the Spanish Pyrenees. <i>Geomorphology</i> , 2010, 124, 250-259.	1.1	52
76	Bridging the Gap Between National and Ecosystem Accounting Application in Andalusian Forests, Spain. <i>Ecological Economics</i> , 2019, 157, 218-236.	2.9	50
77	Temporal variability in the relationships between precipitation, discharge and suspended sediment concentration in a small Mediterranean mountain catchment. <i>Hydrology Research</i> , 2007, 38, 139-150.	1.1	48
78	A comparison of simultaneous autoregressive and generalized least squares models for dealing with spatial autocorrelation. <i>Global Ecology and Biogeography</i> , 2009, 18, 273-279.	2.7	47
79	An R package for daily precipitation climate series reconstruction. <i>Environmental Modelling and Software</i> , 2017, 89, 190-195.	1.9	47
80	Long-term sustainability of large water resource systems under climate change: A cascade modeling approach. <i>Journal of Hydrology</i> , 2020, 582, 124546.	2.3	47
81	Uncertainty assessment in the prediction of extreme rainfall events: an example from the central Spanish Pyrenees. , 2000, 14, 887-898.		46
82	The Management of a Large Mediterranean Reservoir: Storage Regimens of the Yesa Reservoir, Upper Aragon River Basin, Central Spanish Pyrenees. <i>Environmental Management</i> , 2004, 34, 508-515.	1.2	46
83	Accuracy of reference evapotranspiration (ET _o) estimates under data scarcity scenarios in the Iberian Peninsula. <i>Agricultural Water Management</i> , 2017, 182, 103-116.	2.4	45
84	Detachment of soil organic carbon by rainfall splash: Experimental assessment on three agricultural soils of Spain. <i>Geoderma</i> , 2015, 245-246, 21-30.	2.3	44
85	Soil properties and physiographic factors controlling the natural vegetation re-growth in a disturbed catchment of the Central Spanish Pyrenees. <i>Agroforestry Systems</i> , 2008, 72, 173-185.	0.9	43
86	Transhumance and long-term deforestation in the subalpine belt of the central Spanish Pyrenees: An interdisciplinary approach. <i>Catena</i> , 2020, 195, 104744.	2.2	43
87	Los efectos geoecológicos del cambio global en el Pirineo Central español: una revisión a distintas escalas espaciales y temporales. <i>Pirineos</i> , 2015, 170, e012.	0.6	43
88	Hydrologic and landscape changes in the Middle Ebro River (NE Spain): implications for restoration and management. <i>Hydrology and Earth System Sciences</i> , 2009, 13, 273-284.	1.9	42
89	Different patterns of climate change scenarios for short-term and multi-day precipitation extremes in the Mediterranean. <i>Global and Planetary Change</i> , 2012, 98-99, 63-72.	1.6	42
90	Standardized metrics are key for assessing drought severity. <i>Global Change Biology</i> , 2020, 26, e1-e3.	4.2	41

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91	Debris flow characteristics and relationships in the Central Spanish Pyrenees. <i>Natural Hazards and Earth System Sciences</i> , 2003, 3, 683-691.	1.5	39
92	Computation of rainfall erosivity from daily precipitation amounts. <i>Science of the Total Environment</i> , 2018, 637-638, 359-373.	3.9	39
93	STEAD: a high-resolution daily gridded temperature dataset for Spain. <i>Earth System Science Data</i> , 2019, 11, 1171-1188.	3.7	39
94	Identifying erosion areas at basin scale using remote sensing data and GIS: a case study in a geologically complex mountain basin in the Spanish Pyrenees. <i>International Journal of Remote Sensing</i> , 2006, 27, 4585-4598.	1.3	38
95	The NAO Impact on Droughts in the Mediterranean Region. <i>Advances in Global Change Research</i> , 2011, , 23-40.	1.6	38
96	Estimating erosion rates using ¹³⁷ Cs measurements and WATEM/SEDEM in a Mediterranean cultivated field. <i>Catena</i> , 2016, 138, 38-51.	2.2	38
97	Stratified scree in the Central Spanish Pyrenees: palaeoenvironmental implications. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 233-242.	1.5	37
98	Effect of reservoirs on streamflow and river regimes in a heavily regulated river basin of Northeast Spain. <i>Catena</i> , 2017, 149, 727-741.	2.2	37
99	Woody plant encroachment following grazing abandonment in the subalpine belt: a case study in northern Spain. <i>Regional Environmental Change</i> , 2018, 18, 1103-1115.	1.4	37
100	Recent trends reveal decreasing intensity of daily precipitation in Spain. <i>International Journal of Climatology</i> , 2018, 38, 4211-4224.	1.5	34
101	Carbon sequestration or water yield? The effect of payments for ecosystem services on forest management decisions in Mediterranean forests. <i>Water Resources and Economics</i> , 2019, 28, 100119.	0.9	29
102	Do atmospheric teleconnection patterns influence rainfall erosivity? A study of NAO, MO and WeMO in NE Spain, 1955–2006. <i>Journal of Hydrology</i> , 2012, 450-451, 168-179.	2.3	28
103	High spatial resolution climatology of drought events for Spain: 1961–2014. <i>International Journal of Climatology</i> , 2019, 39, 5046-5062.	1.5	28
104	Effectiveness of drought indices in identifying impacts on major crops across the USA. <i>Climate Research</i> , 2018, 75, 221-240.	0.4	28
105	Trends in rainfall erosivity in NE Spain at annual, seasonal and daily scales, 1955–2006. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 3551-3559.	1.9	27
106	Gap Filling of Monthly Temperature Data and Its Effect on Climatic Variability and Trends. <i>Journal of Climate</i> , 2019, 32, 7797-7821.	1.2	26
107	A high-resolution spatial assessment of the impacts of drought variability on vegetation activity in Spain from 1981 to 2015. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 1189-1213.	1.5	26
108	Spatially based reconstruction of daily precipitation instrumental data series. <i>Climate Research</i> , 2017, 73, 167-186.	0.4	23

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109	Reference crop evapotranspiration database in Spain (1961–2014). <i>Earth System Science Data</i> , 2019, 11, 1917-1930.	3.7	23
110	Genetic association with high-resolution climate data reveals selection footprints in the genomes of barley landraces across the Iberian Peninsula. <i>Molecular Ecology</i> , 2019, 28, 1994-2012.	2.0	22
111	Genetic origin and climate determine fruit quality and antioxidant traits on apple (<i>Malus x domestica</i>). <i>Tree Physiology</i> , 2021, 41, 1078-1091.	1.7	21
112	Reply to the comment on "Rainfall erosivity in Europe" by Auerswald et al.. <i>Science of the Total Environment</i> , 2015, 532, 853-857.	3.9	19
113	Deforestation induces shallow landsliding in the montane and subalpine belts of the Urbión Mountains, Iberian Range, Northern Spain. <i>Geomorphology</i> , 2017, 296, 31-44.	1.1	17
114	Characterizing the impact of climatic and price anomalies on agrosystems in the northwest United States. <i>Agricultural and Forest Meteorology</i> , 2020, 280, 107778.	1.9	17
115	Climatology and trends of reference evapotranspiration in Spain. <i>International Journal of Climatology</i> , 2021, 41, E1860.	1.5	17
116	Title is missing!. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2002, 7, 303-320.	1.0	16
117	Modeling the spatial distribution of soil properties by generalized least squares regression: Toward a general theory of spatial variates. <i>Journal of Soils and Water Conservation</i> , 2013, 68, 172-184.	0.8	16
118	Vegetation greening in Spain detected from long term data (1981–2015). <i>International Journal of Remote Sensing</i> , 2020, 41, 1709-1740.	1.3	16
119	Long-term effects of forest management on post-drought growth resilience: An analytical framework. <i>Science of the Total Environment</i> , 2022, 810, 152374.	3.9	16
120	Spatial Valuation of Forests' Environmental Assets: An Application to Andalusian Silvopastoral Farms. <i>Land Economics</i> , 2017, 93, 87-108.	0.5	15
121	Optimal Interpolation scheme to generate reference crop evapotranspiration. <i>Journal of Hydrology</i> , 2018, 560, 202-219.	2.3	14
122	MOTEDAS century: A new high-resolution secular monthly maximum and minimum temperature grid for the Spanish mainland (1916–2015). <i>International Journal of Climatology</i> , 2020, 40, 5308-5328.	1.5	13
123	Effect of Genetics and Climate on Apple Sugars and Organic Acids Profiles. <i>Agronomy</i> , 2022, 12, 827.	1.3	13
124	Mid and late Holocene forest fires and deforestation in the subalpine belt of the Iberian range, northern Spain. <i>Journal of Mountain Science</i> , 2016, 13, 1760-1772.	0.8	12
125	Title is missing!. <i>Pirineos</i> , 2006, 161, .	0.6	12
126	A near real-time drought monitoring system for Spain using automatic weather station network. <i>Atmospheric Research</i> , 2022, 271, 106095.	1.8	12

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127	High-spatial-resolution probability maps of drought duration and magnitude across Spain. <i>Natural Hazards and Earth System Sciences</i> , 2019, 19, 611-628.	1.5	11
128	Seasonal temperature trends on the Spanish mainland: A secular study (1916–2015). <i>International Journal of Climatology</i> , 2021, 41, 3071-3084.	1.5	11
129	Qualitative crop condition survey reveals spatiotemporal production patterns and allows early yield prediction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 18317-18323.	3.3	10
130	Recent changes and drivers of the atmospheric evaporative demand in the Canary Islands. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 3393-3410.	1.9	8
131	Increased Post-Drought Growth after Thinning in <i>Pinus nigra</i> Plantations. <i>Forests</i> , 2021, 12, 985.	0.9	8
132	Control de calidad de siete variables del banco nacional de datos de AEMET. , 2016, , 407-415.		8
133	Comparison of regression techniques for mapping fog frequency: application to the Aragón region (northeast Spain). <i>International Journal of Climatology</i> , 2010, 30, 935-945.	1.5	7
134	Evolution of vegetation activity on vegetated, eroded, and erosion risk areas in the central Spanish Pyrenees, using multitemporal Landsat imagery. <i>Earth Surface Processes and Landforms</i> , 2011, 36, 309-319.	1.2	7
135	Landscape changes and land degradation in the subalpine belt of the Central Spanish Pyrenees. <i>Journal of Arid Environments</i> , 2021, 186, 104396.	1.2	7
136	GIS-based Calibration of MassMov2D. <i>Transactions in GIS</i> , 2012, 16, 215-231.	1.0	6
137	Mean temperature evolution on the Spanish mainland 1916-2015. <i>Climate Research</i> , 2021, 82, 177-189.	0.4	6
138	La evolución del piso subalpino en la Sierra de Urbión (Sistema Ibérico, norte de España): un modelo de impacto geocológico de actividades humanas en el Valle de Ormazal. <i>Pirineos</i> , 2016, 171, e022.	0.6	6
139	Optimal Implementation of Climate Change Adaptation Measures to Ensure Long-term Sustainability on Large Irrigation Systems. <i>Water Resources Management</i> , 2023, 37, 2909-2924.	1.9	6
140	An integrated package to evaluate climatic suitability for agriculture. <i>Computers and Electronics in Agriculture</i> , 2020, 176, 105473.	3.7	4
141	Variability of maximum and minimum monthly mean air temperatures over mainland Spain and their relationship with low-frequency atmospheric patterns for period 1916–2015. <i>International Journal of Climatology</i> , 2022, 42, 1723-1741.	1.5	4
142	Monitoring Crop Status in the Continental United States Using the SMAP Level-4 Carbon Product. <i>Frontiers in Big Data</i> , 2020, 3, 597720.	1.8	4
143	Análisis de la evolución espacio-temporal del NDVI sobre áreas vegetadas y zonas de riesgo de erosión en el Pirineo Central. <i>Pirineos</i> , 2010, 165, 7-27.	0.6	4
144	The consecutive disparity of precipitation in conterminous Spain. <i>Theoretical and Applied Climatology</i> , 2022, 147, 1151-1161.	1.3	4

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145	Soil Erosion and Runoff Generation Related to Land Use Changes in the Pyrenees. <i>Advances in Global Change Research</i> , 2005, , 321-330.	1.6	2
146	Evaluation of the Relationship Between the NAO and Rainfall Erosivity in NE Spain During the Period 1955â€“2006. <i>Advances in Global Change Research</i> , 2011, , 183-197.	1.6	2
147	Variabilidad espacial del transporte de sedimento en la cuenca superior del río Aragón. <i>Cuadernos De Investigacion Geografica</i> , 2008, 34, 39.	0.6	2
148	Identificación de zonas de erosión activa y áreas de riesgo mediante teledetección : un ejemplo en un paisaje de cárcavas sobre margas en el Pirineo Central Español. <i>Cuadernos De Investigacion Geografica</i> , 2009, 35, 171-194.	0.6	2
149	Floods downstream the Yesa Reservoir, Spanish Pyrenees. <i>Cuadernos De Investigacion Geografica</i> , 0, 28, 101-108.	0.6	1
150	The Ordesa and Monte Perdido National Park, Central Pyrenees. <i>World Geomorphological Landscapes</i> , 2014, , 165-172.	0.1	1
151	Numerical Treatment of the Resistance Term in Upwind Schemes in Debris Flow Runout Modeling. <i>Journal of Hydraulic Engineering</i> , 2014, 140, 04014009.	0.7	0
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