

J Ignacio LÃ³pez-Moreno

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5875039/publications.pdf>

Version: 2024-02-01

232
papers

20,758
citations

16411

64
h-index

11581

135
g-index

244
all docs

244
docs citations

244
times ranked

16758
citing authors

#	ARTICLE	IF	CITATIONS
1	Sensitivity of forest-snow interactions to climate forcing: Local variability in a Pyrenean valley. <i>Journal of Hydrology</i> , 2022, 605, 127311.	2.3	7
2	Combined influence of maximum accumulation and melt rates on the duration of the seasonal snowpack over temperate mountains. <i>Journal of Hydrology</i> , 2022, 608, 127574.	2.3	3
3	Increase of the energy available for snow ablation in the Pyrenees (1959-2020) and its relation to atmospheric circulation. <i>Atmospheric Research</i> , 2022, 275, 106228.	1.8	7
4	Snow dynamics influence tree growth by controlling soil temperature in mountain pine forests. <i>Agricultural and Forest Meteorology</i> , 2021, 296, 108205.	1.9	22
5	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
6	Performance Assessment of Optical Satellite-Based Operational Snow Cover Monitoring Algorithms in Forested Landscapes. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 7159-7178.	2.3	41
7	The case of a southern European glacier which survived Roman and medieval warm periods but is disappearing under recent warming. <i>Cryosphere</i> , 2021, 15, 1157-1172.	1.5	11
8	Spatio-temporal patterns of snow in the Catalan Pyrenees (NE Iberia). <i>International Journal of Climatology</i> , 2021, 41, 5676-5697.	1.5	10
9	The complex multi-sectoral impacts of drought: Evidence from a mountainous basin in the Central Spanish Pyrenees. <i>Science of the Total Environment</i> , 2021, 769, 144702.	3.9	15
10	Responses of surface water quality to future land cover and climate changes in the Neka River basin, Northern Iran. <i>Environmental Monitoring and Assessment</i> , 2021, 193, 411.	1.3	1
11	Light and Shadow in Mapping Alpine Snowpack With Unmanned Aerial Vehicles in the Absence of Ground Control Points. <i>Water Resources Research</i> , 2021, 57, e2020WR028980.	1.7	15
12	Análisis de la afluencia de esquiadores a 3 estaciones de esquí del Pirineo aragonés en relación con la disponibilidad de nieve, el calendario vacacional y las condiciones meteorológicas. <i>Geographicalia</i> , 2021, , 397-420.	0.1	0
13	Changes in the frequency of global high mountain rain-on-snow events due to climate warming. <i>Environmental Research Letters</i> , 2021, 16, 094021.	2.2	19
14	First evidence of rock wall permafrost in the Pyrenees (Vignemale peak, 3,298 m a.s.l.). <i>Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 2</i>	1.5	4
15	The significance of monitoring high mountain environments to detect heavy precipitation hotspots: a case study in Gredos, Central Spain. <i>Theoretical and Applied Climatology</i> , 2021, 146, 1175-1188.	1.3	6
16	Increased Vegetation in Mountainous Headwaters Amplifies Water Stress During Dry Periods. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094672.	1.5	21
17	Toward an Ice-Free Mountain Range: Demise of Pyrenean Glaciers During 2011-2020. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094339.	1.5	20
18	Intercomparison of UAV platforms for mapping snow depth distribution in complex alpine terrain. <i>Cold Regions Science and Technology</i> , 2021, 190, 103344.	1.6	21

#	ARTICLE	IF	CITATIONS
19	The impact of COVID-19 lockdowns on surface urban heat island changes and air-quality improvements across 21 major cities in the Middle East. <i>Environmental Pollution</i> , 2021, 288, 117802.	3.7	50
20	Spatial Downscaling of MODIS Snow Cover Observations Using Sentinel-2 Snow Products. <i>Remote Sensing</i> , 2021, 13, 4513.	1.8	12
21	Snow climatology for the mountains in the Iberian Peninsula using satellite imagery and simulations with dynamically downscaled reanalysis data. <i>International Journal of Climatology</i> , 2020, 40, 477-491.	1.5	19
22	Global characterization of hydrological and meteorological droughts under future climate change: The importance of timescales, vegetationâ€œCO ₂ feedbacks and changes to distribution functions. <i>International Journal of Climatology</i> , 2020, 40, 2557-2567.	1.5	44
23	Estimating Fractional Snow Cover in Open Terrain from Sentinel-2 Using the Normalized Difference Snow Index. <i>Remote Sensing</i> , 2020, 12, 2904.	1.8	30
24	Critical discussion of: â€œA farewell to glaciers: Ecosystem services loss in the Spanish Pyreneesâ€œ. <i>Journal of Environmental Management</i> , 2020, 275, 111247.	3.8	6
25	Topographic control of glacier changes since the end of the Little Ice Age in the Sierra Nevada de Santa Marta mountains, Colombia. <i>Journal of South American Earth Sciences</i> , 2020, 104, 102803.	0.6	7
26	Snow Impurities in the Central Pyrenees: From Their Geochemical and Mineralogical Composition towards Their Impacts on Snow Albedo. <i>Atmosphere</i> , 2020, 11, 937.	1.0	10
27	Nocturnal Surface Urban Heat Island over Greater Cairo: Spatial Morphology, Temporal Trends and Links to Land-Atmosphere Influences. <i>Remote Sensing</i> , 2020, 12, 3889.	1.8	18
28	Interannual and Seasonal Variability of Snow Depth Scaling Behavior in a Subalpine Catchment. <i>Water Resources Research</i> , 2020, 56, e2020WR027343.	1.7	15
29	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
30	Patterns of trends in nivograph characteristics across the western United States from snow telemetry data. <i>Frontiers of Earth Science</i> , 2020, 14, 315-325.	0.9	6
31	Long-term trends (1958â€œ2017) in snow cover duration and depth in the Pyrenees. <i>International Journal of Climatology</i> , 2020, 40, 6122-6136.	1.5	40
32	Neoglaciation in the Spanish Pyrenees: a multiproxy challenge. <i>Mediterranean Geoscience Reviews</i> , 2020, 2, 21-36.	0.6	11
33	Elevation Effects on Air Temperature in a Topographically Complex Mountain Valley in the Spanish Pyrenees. <i>Atmosphere</i> , 2020, 11, 656.	1.0	12
34	Evidence for intensification of meteorological droughts in Oman over the past four decades. <i>Atmospheric Research</i> , 2020, 246, 105126.	1.8	24
35	Frozen ground and periglacial processes relationship in temperate high mountains: a case study at Monte Perdido-Tucarroya area (The Pyrenees, Spain). <i>Journal of Mountain Science</i> , 2020, 17, 1013-1031.	0.8	9
36	Variable effects of forest canopies on snow processes in a valley of the central Spanish Pyrenees. <i>Hydrological Processes</i> , 2020, 34, 2247-2262.	1.1	12

#	ARTICLE	IF	CITATIONS
37	Intercomparison of measurements of bulk snow density and water equivalent of snow cover with snow core samplers: Instrumental bias and variability induced by observers. <i>Hydrological Processes</i> , 2020, 34, 3120-3133.	1.1	27
38	Maximum and minimum air temperature lapse rates in the Andean region of Ecuador and Peru. <i>International Journal of Climatology</i> , 2020, 40, 6150-6168.	1.5	13
39	Decoupling of warming mountain snowpacks from hydrological regimes. <i>Environmental Research Letters</i> , 2020, 15, 114006.	2.2	31
40	Glacier and climate evolution in the PariacacÃ¡ Mountains, Peru. <i>Cuadernos De Investigacion Geografica</i> , 2020, 46, 127-139.	0.6	4
41	Impact of North Atlantic Oscillation on the Snowpack in Iberian Peninsula Mountains. <i>Water (Switzerland)</i> , 2020, 12, 105.	1.2	15
42	Detecting snow-related signals in radial growth of <i>Pinus uncinata</i> mountain forests. <i>Dendrochronologia</i> , 2019, 57, 125622.	1.0	17
43	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
44	Periglacial environments and frozen ground in the central Pyrenean high mountain area: Ground thermal regime and distribution of landforms and processes. <i>Permafrost and Periglacial Processes</i> , 2019, 30, 292-309.	1.5	16
45	Impacts of land abandonment and climate variability on runoff generation and sediment transport in the Pisuerga headwaters (Cantabrian Mountains, Spain). <i>Geografiska Annaler, Series A: Physical Geography</i> , 2019, 101, 211-224.	0.6	6
46	Daily temperature extremes over Egypt: Spatial patterns, temporal trends, and driving forces. <i>Atmospheric Research</i> , 2019, 226, 219-239.	1.8	39
47	Hydro-Meteorological Characterization of Major Floods in Spanish Mountain Rivers. <i>Water (Switzerland)</i> , 2019, 11, 2641.	1.2	18
48	Ground-based remote-sensing techniques for diagnosis of the current state and recent evolution of the Monte Perdido Glacier, Spanish Pyrenees. <i>Journal of Glaciology</i> , 2019, 65, 85-100.	1.1	32
49	Spatial assessment of the performance of multiple high-resolution satellite-based precipitation data sets over the Middle East. <i>International Journal of Climatology</i> , 2019, 39, 2522-2543.	1.5	12
50	Air and wet bulb temperature lapse rates and their impact on snowmaking in a Pyrenean ski resort. <i>Theoretical and Applied Climatology</i> , 2019, 135, 1361-1373.	1.3	1
51	Evaluating anemometer drift: A statistical approach to correct biases in wind speed measurement. <i>Atmospheric Research</i> , 2018, 203, 175-188.	1.8	49
52	Recent changes in monthly surface air temperature over Peru, 1964â€“2014. <i>International Journal of Climatology</i> , 2018, 38, 283-306.	1.5	32
53	A comparison of temporal variability of observed and model-based pan evaporation over Uruguay (1973â€“2014). <i>International Journal of Climatology</i> , 2018, 38, 337-350.	1.5	22
54	Reviews and perspectives of high impact atmospheric processes in the Mediterranean. <i>Atmospheric Research</i> , 2018, 208, 4-44.	1.8	85

#	ARTICLE	IF	CITATIONS
55	The Little Ice Age in Iberian mountains. <i>Earth-Science Reviews</i> , 2018, 177, 175-208.	4.0	119
56	Mapping seasonal and annual extreme precipitation over the Peruvian Andes. <i>International Journal of Climatology</i> , 2018, 38, 5459-5475.	1.5	8
57	DinÁmica del manto de nieve en una pequeÃ±a cuenca de montaÃ±a mediterrÁnea: el caso del rÃo Tormes (Cuenca del Duero, EspaÃ±a). <i>Revista De Geografia Norte Grande</i> , 2018, , 9-34.	0.1	1
58	Estimation of near-surface air temperature lapse rates over continental Spain and its mountain areas. <i>International Journal of Climatology</i> , 2018, 38, 3233-3249.	1.5	27
59	The Influence of Climate and Land-Cover Scenarios on Dam Management Strategies in a High Water Pressure Catchment in Northeast Spain. <i>Water (Switzerland)</i> , 2018, 10, 1668.	1.2	13
60	Terrestrial Radar Interferometry to Monitor Glaciers with Complex Atmospheric Screen. , 2018, , .		1
61	Recent evolution and associated hydrological dynamics of a vanishing tropical Andean glacier: Glaciar de Conejeras, Colombia. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 5445-5461.	1.9	13
62	Post-Little ice age paraglacial processes and landforms in the high Iberian mountains: A review. <i>Land Degradation and Development</i> , 2018, 29, 4186-4208.	1.8	32
63	The influence of diurnal snowmelt and transpiration on hillslope throughflow and stream response. <i>Hydrology and Earth System Sciences</i> , 2018, 22, 4295-4310.	1.9	16
64	SnowCloudHydroâ€”A New Framework for Forecasting Streamflow in Snowy, Data-Scarce Regions. <i>Remote Sensing</i> , 2018, 10, 1276.	1.8	19
65	The European mountain cryosphere: a review of its current state, trends, and future challenges. <i>Cryosphere</i> , 2018, 12, 759-794.	1.5	382
66	Distribution of snow depth variability. <i>Frontiers of Earth Science</i> , 2018, 12, 683-692.	0.9	13
67	European In-Situ Snow Measurements: Practices and Purposes. <i>Sensors</i> , 2018, 18, 2016.	2.1	50
68	Land cover change modelling in Hyrcanian forests, Northern Iran: a landscape pattern and transformation analysis perspective. <i>Cuadernos De Investigacion Geografica</i> , 2018, 44, 743-761.	0.6	8
69	Daily gridded datasets of snow depth and snow water equivalent for the Iberian Peninsula from 1980 to 2014. <i>Earth System Science Data</i> , 2018, 10, 303-315.	3.7	34
70	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
71	The complex influence of ENSO on droughts in Ecuador. <i>Climate Dynamics</i> , 2017, 48, 405-427.	1.7	78
72	Assessing the impact of measurement time interval when calculating wind speed means and trends under the stilling phenomenon. <i>International Journal of Climatology</i> , 2017, 37, 480-492.	1.5	32

#	ARTICLE	IF	CITATIONS
73	Effect of snow on mountain river regimes: an example from the Pyrenees. <i>Frontiers of Earth Science</i> , 2017, 11, 515-530.	0.9	20
74	Extreme hydrological events and the influence of reservoirs in a highly regulated river basin of northeastern Spain. <i>Journal of Hydrology: Regional Studies</i> , 2017, 12, 13-32.	1.0	43
75	Snow hydrology in Mediterranean mountain regions: A review. <i>Journal of Hydrology</i> , 2017, 551, 374-396.	2.3	94
76	Assessment of ski condition reliability in the Spanish and Andorran Pyrenees for the second half of the 20th century. <i>Applied Geography</i> , 2017, 79, 127-142.	1.7	25
77	Impacts of future land cover and climate change on the water balance in northern Iran. <i>Hydrological Sciences Journal</i> , 2017, 62, 2655-2673.	1.2	33
78	Spatio-temporal snowmelt variability across the headwaters of the Southern Rocky Mountains. <i>Frontiers of Earth Science</i> , 2017, 11, 505-514.	0.9	22
79	Using very long-range terrestrial laser scanner to analyze the temporal consistency of the snowpack distribution in a high mountain environment. <i>Journal of Mountain Science</i> , 2017, 14, 823-842.	0.8	28
80	Hydrological and depositional processes associated with recent glacier recession in Yanamarey catchment, Cordillera Blanca (Peru). <i>Science of the Total Environment</i> , 2017, 579, 272-282.	3.9	18
81	Different sensitivities of snowpacks to warming in Mediterranean climate mountain areas. <i>Environmental Research Letters</i> , 2017, 12, 074006.	2.2	73
82	Analysis and Predictability of the Hydrological Response of Mountain Catchments to Heavy Rain on Snow Events: A Case Study in the Spanish Pyrenees. <i>Hydrology</i> , 2017, 4, 20.	1.3	21
83	Changes in Climate, Snow and Water Resources in the Spanish Pyrenees: Observations and Projections in a Warming Climate. <i>Advances in Global Change Research</i> , 2017, , 305-323.	1.6	12
84	An�lisis espacio-temporal de los eventos de nevadas en el Pirineo espa�ol y su relaci�n con la circulaci�n atmosf�rica. <i>Cuadernos De Investigacion Geografica</i> , 2017, 43, 233-254.	0.6	21
85	Assessment of snowfall accumulation underestimation by tipping bucket gauges in the Spanish operational network. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1079-1091.	1.2	36
86	Meteorological and snow distribution data in the Izas Experimental Catchment (Spanish Pyrenees) from 2011 to 2017. <i>Earth System Science Data</i> , 2017, 9, 993-1005.	3.7	21
87	A Lagrangian analysis of the present-day sources of moisture for major ice-core sites. <i>Earth System Dynamics</i> , 2016, 7, 549-558.	2.7	14
88	Thinning of the Monte Perdido Glacier in the Spanish Pyrenees since 1981. <i>Cryosphere</i> , 2016, 10, 681-694.	1.5	49
89	Small-Scale Effect of Pine Stand Pruning on Snowpack Distribution in the Pyrenees Observed with a Terrestrial Laser Scanner. <i>Forests</i> , 2016, 7, 166.	0.9	6
90	Deriving snow-cover depletion curves for different spatial scales from remote sensing and snow telemetry data. <i>Hydrological Processes</i> , 2016, 30, 1708-1717.	1.1	19

#	ARTICLE	IF	CITATIONS
91	Climate trends and variability in Ecuador (1966-2011). <i>International Journal of Climatology</i> , 2016, 36, 3839-3855.	1.5	68
92	Backward snow depth reconstruction at high spatial resolution based on time-lapse photography. <i>Hydrological Processes</i> , 2016, 30, 2976-2990.	1.1	17
93	Impact of climate warming on snow processes in Ny-Ålesund, a polar maritime site at Svalbard. <i>Global and Planetary Change</i> , 2016, 146, 10-21.	1.6	40
94	Recent changes in continentality and aridity conditions over the Middle East and North Africa region, and their association with circulation patterns. <i>Climate Research</i> , 2016, 69, 25-43.	0.4	28
95	The Westerly Index as complementary indicator of the North Atlantic oscillation in explaining drought variability across Europe. <i>Climate Dynamics</i> , 2016, 47, 845-863.	1.7	36
96	Recent temperature variability and change in the Altiplano of Bolivia and Peru. <i>International Journal of Climatology</i> , 2016, 36, 1773-1796.	1.5	25
97	Impact of weather type variability on winter precipitation, temperature and annual snowpack in the Spanish Pyrenees. <i>Climate Research</i> , 2016, 69, 79-92.	0.4	21
98	Average monthly and annual climate maps for Bolivia. <i>Journal of Maps</i> , 2016, 12, 295-310.	1.0	13
99	Combining snowpack modeling and terrestrial laser scanner observations improves the simulation of small scale snow dynamics. <i>Journal of Hydrology</i> , 2016, 533, 291-307.	2.3	32
100	Changes in the frequency and severity of hydrological droughts over Ethiopia from 1960 to 2013. <i>Cuadernos De Investigacion Geografica</i> , 2016, 42, 145-166.	0.6	31
101	Observaciones del manto de nieve durante una circunnavegación del casquete de hielo de Groenlandia (primavera de 2014). <i>Cuadernos De Investigacion Geografica</i> , 2016, 42, 369.	0.6	1
102	Rain-on-snow events in Switzerland: recent observations and projections for the 21st century. <i>Climate Research</i> , 2016, 71, 111-125.	0.4	31
103	Integrating scales and LTER methods to better understand the overall dynamics of a mountain protected space: the Ordesa and Monte Perdido National Park. <i>Ecosistemas</i> , 2016, 25, 19-30.	0.2	1
104	Evaluation of the TMPA-3B42 precipitation product using a high-density rain gauge network over complex terrain in northeastern Iberia. <i>Global and Planetary Change</i> , 2015, 133, 188-200.	1.6	54
105	Spatial and temporal variability of winter snow and precipitation days in the western and central Spanish Pyrenees. <i>International Journal of Climatology</i> , 2015, 35, 259-274.	1.5	39
106	AVHRR warm-season cloud climatologies under various synoptic regimes across the Iberian Peninsula and the Balearic Islands. <i>International Journal of Climatology</i> , 2015, 35, 1984-2002.	1.5	4
107	Canopy influence on snow depth distribution in a pine stand determined from terrestrial laser data. <i>Water Resources Research</i> , 2015, 51, 3476-3489.	1.7	38
108	The application of terrestrial laser scanner and SfM photogrammetry in measuring erosion and deposition processes in two opposite slopes in a humid badlands area (central Spanish Pyrenees). <i>Soil</i> , 2015, 1, 561-573.	2.2	52

#	ARTICLE	IF	CITATIONS
109	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
110	Daily temperature changes and variability in ENSEMBLES regional models predictions: Evaluation and intercomparison for the Ebro Valley (NE Iberia). <i>Atmospheric Research</i> , 2015, 155, 141-157.	1.8	8
111	Late Pleistocene deglaciation in the upper Gllego Valley, central Pyrenees. <i>Quaternary Research</i> , 2015, 83, 397-414.	1.0	56
112	Evapotranspiration deficit controls net primary production and growth of silver fir: Implications for Circum-Mediterranean forests under forecasted warmer and drier conditions. <i>Agricultural and Forest Meteorology</i> , 2015, 206, 45-54.	1.9	68
113	The vulnerability of Pyrenean ski resorts to climate-induced changes in the snowpack. <i>Climatic Change</i> , 2015, 131, 591-605.	1.7	36
114	Hydrological impacts of climate and land-use changes in a mountain watershed: uncertainty estimation based on model comparison. <i>Ecohydrology</i> , 2015, 8, 1396-1416.	1.1	70
115	Contribution of precipitation and reference evapotranspiration to drought indices under different climates. <i>Journal of Hydrology</i> , 2015, 526, 42-54.	2.3	245
116	Snowpack variability across various spatio-temporal resolutions. <i>Hydrological Processes</i> , 2015, 29, 1213-1224.	1.1	37
117	Spatio-temporal variability of droughts in Bolivia: 1955-2012. <i>International Journal of Climatology</i> , 2015, 35, 3024-3040.	1.5	50
118	Los efectos geoecolgicos del cambio global en el Pirineo Central espaol: una revisin a distintas escalas espaciales y temporales. <i>Pirineos</i> , 2015, 170, e012.	0.6	43
119	Topographic control of snowpack distribution in a small catchment in the central Spanish Pyrenees: intra- and inter-annual persistence. <i>Cryosphere</i> , 2014, 8, 1989-2006.	1.5	71
120	Holocene and "Little Ice Age" glacial activity in the Marbor Cirque, Monte Perdido Massif, Central Spanish Pyrenees. <i>Holocene</i> , 2014, 24, 1439-1452.	0.9	67
121	Evidence of increasing drought severity caused by temperature rise in southern Europe. <i>Environmental Research Letters</i> , 2014, 9, 044001.	2.2	506
122	Sensitivity of reference evapotranspiration to changes in meteorological parameters in Spain (1961-2011). <i>Water Resources Research</i> , 2014, 50, 8458-8480.	1.7	94
123	Homogenization and Assessment of Observed Near-Surface Wind Speed Trends over Spain and Portugal, 1961-2011*. <i>Journal of Climate</i> , 2014, 27, 3692-3712.	1.2	132
124	Temporal evolution of surface humidity in Spain: recent trends and possible physical mechanisms. <i>Climate Dynamics</i> , 2014, 42, 2655-2674.	1.7	71
125	Climate controls on rainfall isotopes and their effects on cave drip water and speleothem growth: the case of Molinos cave (Teruel, NE Spain). <i>Climate Dynamics</i> , 2014, 43, 221-241.	1.7	44
126	Recent glacier retreat and climate trends in Cordillera Huaytapallana, Peru. <i>Global and Planetary Change</i> , 2014, 112, 1-11.	1.6	74

#	ARTICLE	IF	CITATIONS
127	Streamflow timing of mountain rivers in Spain: Recent changes and future projections. <i>Journal of Hydrology</i> , 2014, 517, 1114-1127.	2.3	57
128	Reference evapotranspiration variability and trends in Spain, 1961–2011. <i>Global and Planetary Change</i> , 2014, 121, 26-40.	1.6	106
129	Impacts of climate change on ski industry. <i>Environmental Science and Policy</i> , 2014, 44, 51-61.	2.4	66
130	The effect of slope aspect on the response of snowpack to climate warming in the Pyrenees. <i>Theoretical and Applied Climatology</i> , 2014, 117, 207-219.	1.3	53
131	Mapping the annual evolution of snow depth in a small catchment in the Pyrenees using the long-range terrestrial laser scanning. <i>Journal of Maps</i> , 2014, 10, 379-393.	1.0	34
132	Impact of climate and land use change on water availability and reservoir management: Scenarios in the Upper Aragón River, Spanish Pyrenees. <i>Science of the Total Environment</i> , 2014, 493, 1222-1231.	3.9	134
133	Observed trends and future projections for winter warm events in the Ebro basin, northeast Iberian Peninsula. <i>International Journal of Climatology</i> , 2014, 34, 49-60.	1.5	12
134	Respuesta hidrolgica del Pirineo central al cambio ambiental proyectado para el siglo XXI. <i>Pirineos</i> , 2014, 169, e004.	0.6	9
135	The Ordesa and Monte Perdido National Park, Central Pyrenees. <i>World Geomorphological Landscapes</i> , 2014, , 165-172.	0.1	1
136	Response of snow processes to climate change: spatial variability in a small basin in the Spanish Pyrenees. <i>Hydrological Processes</i> , 2013, 27, 2637-2650.	1.1	87
137	Assessing the capability of multi-scale drought datasets to quantify drought severity and to identify drought impacts: an example in the Ebro Basin. <i>International Journal of Climatology</i> , 2013, 33, 1884-1897.	1.5	11
138	An assessment of the role of homogenization protocol in the performance of daily temperature series and trends: application to northeastern Spain. <i>International Journal of Climatology</i> , 2013, 33, 87-108.	1.5	36
139	Small scale spatial variability of snow density and depth over complex alpine terrain: Implications for estimating snow water equivalent. <i>Advances in Water Resources</i> , 2013, 55, 40-52.	1.7	136
140	Power spectral characteristics of drought indices in the Ebro river basin at different temporal scales. <i>Stochastic Environmental Research and Risk Assessment</i> , 2013, 27, 1155-1170.	1.9	24
141	Summer temperature extremes in northeastern Spain: spatial regionalization and links to atmospheric circulation (1960–2006). <i>Theoretical and Applied Climatology</i> , 2013, 113, 387-405.	1.3	26
142	Evolution and frequency (1970–2007) of combined temperature–precipitation modes in the Spanish mountains and sensitivity of snow cover. <i>Regional Environmental Change</i> , 2013, 13, 873-885.	1.4	26
143	Anomalous severe cold nights and warm days in northeastern Spain: their spatial variability, driving forces and future projections. <i>Global and Planetary Change</i> , 2013, 101, 12-32.	1.6	11
144	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

#	ARTICLE	IF	CITATIONS
145	A daytime over land algorithm for computing AVHRR convective cloud climatologies for the Iberian Peninsula and the Balearic Islands. <i>International Journal of Climatology</i> , 2013, 33, 2113-2128.	1.5	8
146	Feasibility of sunshine duration records to detect changes in atmospheric turbidity: A case study in Valencia (Spain). <i>AIP Conference Proceedings</i> , 2013, , .	0.3	2
147	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
148	Hydrological drought response to meteorological drought in the Iberian Peninsula. <i>Climate Research</i> , 2013, 58, 117-131.	0.4	121
149	Mapping snow cover and snow depth across the Lake Limnopolar watershed on Byers Peninsula, Livingston Island, Maritime Antarctica. <i>Antarctic Science</i> , 2013, 25, 157-166.	0.5	17
150	The changing roles of temperature and precipitation on snowpack variability in Switzerland as a function of altitude. <i>Geophysical Research Letters</i> , 2013, 40, 2131-2136.	1.5	91
151	Streamflow droughts in the Iberian Peninsula between 1945 and 2005: spatial and temporal patterns. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 119-134.	1.9	77
152	Utilizaci3n de t3cnicas de l3jser esc3jner terrestre en la monitorizaci3n de procesos geomorfol3gicos din3micos: el manto de nieve y heleros en 3jreas de monta3a. <i>Cuadernos De Investigaci3n Geografica</i> , 2013, 39, 335.	0.6	3
153	An3lisis de la variabilidad espacio-temporal de las precipitaciones en el sector espa3ol de la cuenca del Duero (1961-2005). <i>Bolet3n De La Asociaci3n De Ge3grafos Espanoles</i> , 2013, , .	0.2	2
154	The contrasted evolution of high and low flows and precipitation indices in the Duero basin (Spain). <i>Hydrological Sciences Journal</i> , 2012, 57, 591-611.	1.2	11
155	Spatio-temporal variability of snowpack properties: Comparing operational, field, and ICESat remote sensing data over Northern Colorado, United States. , 2012, , .		1
156	Accurate Computation of a Streamflow Drought Index. <i>Journal of Hydrologic Engineering - ASCE</i> , 2012, 17, 318-332.	0.8	361
157	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
158	Trend and variability of surface air temperature in northeastern Spain (192032006): Linkage to atmospheric circulation. <i>Atmospheric Research</i> , 2012, 106, 159-180.	1.8	83
159	Performance of Drought Indices for Ecological, Agricultural, and Hydrological Applications. <i>Earth Interactions</i> , 2012, 16, 1-27.	0.7	635
160	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
161	Reservoir Management in the Duero Basin (Spain): Impact on River Regimes and the Response to Environmental Change. <i>Water Resources Management</i> , 2012, 26, 2125-2146.	1.9	17
162	Investigation of scaling properties in monthly streamflow and Standardized Streamflow Index (SSI) time series in the Ebro basin (Spain). <i>Physica A: Statistical Mechanics and Its Applications</i> , 2012, 391, 1662-1678.	1.2	41

#	ARTICLE	IF	CITATIONS
163	Recent trends in Iberian streamflows (1945â€“2005). <i>Journal of Hydrology</i> , 2012, 414-415, 463-475.	2.3	158
164	Land-cover changes and recent hydrological evolution in the Duero Basin (Spain). <i>Regional Environmental Change</i> , 2012, 12, 17-33.	1.4	27
165	A multiscalar global evaluation of the impact of ENSO on droughts. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	120
166	Effects of the North Atlantic Oscillation (NAO) on combined temperature and precipitation winter modes in the Mediterranean mountains: Observed relationships and projections for the 21st century. <i>Global and Planetary Change</i> , 2011, 77, 62-76.	1.6	223
167	Influence of Winter North Atlantic Oscillation Index (NAO) on Climate and Snow Accumulation in the Mediterranean Mountains. <i>Advances in Global Change Research</i> , 2011, , 73-89.	1.6	11
168	Impact of climate evolution and land use changes on water yield in the ebro basin. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 311-322.	1.9	172
169	The response of Iberian rivers to the North Atlantic Oscillation. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 2581-2597.	1.9	58
170	Recent trends in daily temperature extremes over northeastern Spain (1960â€“2006). <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 2583-2603.	1.5	79
171	Comment on "Characteristics and trends in various forms of the Palmer Drought Severity Index (PDSI) during 1900â€“2008" by Aiguo Dai. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	116
172	Climate change and mountain water resources: overview and recommendations for research, management and policy. <i>Hydrology and Earth System Sciences</i> , 2011, 15, 471-504.	1.9	476
173	River regimes and recent hydrological changes in the Duero basin (Spain). <i>Journal of Hydrology</i> , 2011, 404, 241-258.	2.3	61
174	Mediterranean water resources in a global change scenario. <i>Earth-Science Reviews</i> , 2011, 105, 121-139.	4.0	687
175	Effects of climate change on the intensity and frequency of heavy snowfall events in the Pyrenees. <i>Climatic Change</i> , 2011, 105, 489-508.	1.7	44
176	Will snowâ€œabundant winters still exist in the Swiss Alps in an enhanced greenhouse climate?. <i>International Journal of Climatology</i> , 2011, 31, 1257-1263.	1.5	40
177	Assessing trends in extreme precipitation events intensity and magnitude using nonâ€œstationary peaksâ€œoverâ€œthreshold analysis: a case study in northeast Spain from 1930 to 2006. <i>International Journal of Climatology</i> , 2011, 31, 2102-2114.	1.5	128
178	The NAO Impact on Droughts in the Mediterranean Region. <i>Advances in Global Change Research</i> , 2011, , 23-40.	1.6	38
179	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
180	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

#	ARTICLE	IF	CITATIONS
181	Characterization of the atmospheric component of the winter hydrological cycle in the Galicia/North Portugal Euro-region: a Lagrangian approach. <i>Climate Research</i> , 2011, 48, 193-201.	0.4	3
182	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
183	Effects of sample and grid size on the accuracy and stability of regression-based snow interpolation methods. <i>Hydrological Processes</i> , 2010, 24, 1914-1928.	1.1	25
184	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
185	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
186	Comparison of regression techniques for mapping fog frequency: application to the Aragn region (northeast Spain). <i>International Journal of Climatology</i> , 2010, 30, 935-945.	1.5	7
187	Trends in daily precipitation on the northeastern Iberian Peninsula, 1955~2006. <i>International Journal of Climatology</i> , 2010, 30, 1026-1041.	1.5	121
188	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
189	Snow cover response to climate change in a high alpine and half-glacierized basin in Switzerland. <i>Hydrology Research</i> , 2010, 41, 230-240.	1.1	39
190	Where Does the Iberian Peninsula Moisture Come From? An Answer Based on a Lagrangian Approach. <i>Journal of Hydrometeorology</i> , 2010, 11, 421-436.	0.7	111
191	Spatial Predictions of Extreme Wind Speeds over Switzerland Using Generalized Additive Models. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 1956-1970.	0.6	29
192	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
193	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
194	Impact of climate change on snowpack in the Pyrenees: Horizontal spatial variability and vertical gradients. <i>Journal of Hydrology</i> , 2009, 374, 384-396.	2.3	127
195	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
196	Daily precipitation intensity projected for the 21st century: seasonal changes over the Pyrenees. <i>Theoretical and Applied Climatology</i> , 2009, 95, 375-384.	1.3	32
197	Temperature trends in Libya over the second half of the 20th century. <i>Theoretical and Applied Climatology</i> , 2009, 98, 1-8.	1.3	36
198	Stability of the seasonal distribution of precipitation in the Mediterranean region: Observations since 1950 and projections for the 21st century. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	46

#	ARTICLE	IF	CITATIONS
199	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
200	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
201	Climate change prediction over complex areas: spatial variability of uncertainties and predictions over the Pyrenees from a set of regional climate models. <i>International Journal of Climatology</i> , 2008, 28, 1535-1550.	1.5	93
202	Influence of canopy density on snow distribution in a temperate mountain range. <i>Hydrological Processes</i> , 2008, 22, 117-126.	1.1	57
203	Statistical analysis of the snow cover variability in a subalpine watershed: Assessing the role of topography and forest interactions. <i>Journal of Hydrology</i> , 2008, 348, 379-394.	2.3	65
204	Climate Change in Mediterranean Mountains during the 21st Century. <i>Ambio</i> , 2008, 37, 280-285.	2.8	129
205	Environmental change and water management in the Pyrenees: Facts and future perspectives for Mediterranean mountains. <i>Global and Planetary Change</i> , 2008, 61, 300-312.	1.6	149
206	Nonstationary influence of the North Atlantic Oscillation on European precipitation. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	101
207	Spatial heterogeneity in snow water equivalent induced by forest canopy in a mixed beech-fir stand in the Pyrenees. <i>Annals of Glaciology</i> , 2008, 49, 83-90.	2.8	11
208	Positive and Negative Phases of the Wintertime North Atlantic Oscillation and Drought Occurrence over Europe: A Multitemporal-Scale Approach. <i>Journal of Climate</i> , 2008, 21, 1220-1243.	1.2	140
209	Differences in the nonstationary influence of the North Atlantic Oscillation on European precipitation under different scenarios of greenhouse gas concentrations. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	20
210	Sensitivity of the snow energy balance to climatic changes: prediction of snowpack in the Pyrenees in the 21st century. <i>Climate Research</i> , 2008, 36, 203-217.	0.4	36
211	Atmospheric circulation influence on the interannual variability of snow pack in the Spanish Pyrenees during the second half of the 20th century. <i>Hydrology Research</i> , 2007, 38, 33-44.	1.1	55
212	Recent evolution (1981-2005) of the Maladeta glaciers, Pyrenees, Spain: extent and volume losses and their relation with climatic and topographic factors. <i>Journal of Glaciology</i> , 2007, 53, 547-557.	1.1	37
213	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
214	Comparison of different procedures to map reference evapotranspiration using geographical information systems and regression-based techniques. <i>International Journal of Climatology</i> , 2007, 27, 1103-1118.	1.5	51
215	Change of topographic control on the extent of cirque glaciers since the Little Ice Age. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	26
216	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

#	ARTICLE	IF	CITATIONS
217	Glacier development and topographic context. Earth Surface Processes and Landforms, 2006, 31, 1585-1594.	1.2	28
218	Interpolating local snow depth data: an evaluation of methods. Hydrological Processes, 2006, 20, 2217-2232.	1.1	73
219	The influence of atmospheric circulation at different spatial scales on winter drought variability through a semi-arid climatic gradient in Northeast Spain. International Journal of Climatology, 2006, 26, 1427-1453.	1.5	115
220	Trends in high flows in the central Spanish Pyrenees: response to climatic factors or to land-use change?. Hydrological Sciences Journal, 2006, 51, 1039-1050.	1.2	97
221	A generalized additive model for the spatial distribution of snowpack in the Spanish Pyrenees. Hydrological Processes, 2005, 19, 3167-3176.	1.1	54
222	Hydrological response to different time scales of climatological drought: an evaluation of the Standardized Precipitation Index in a mountainous Mediterranean basin. Hydrology and Earth System Sciences, 2005, 9, 523-533.	1.9	259
223	Recent Variations of Snowpack Depth in the Central Spanish Pyrenees. Arctic, Antarctic, and Alpine Research, 2005, 37, 253-260.	0.4	124
224	Responses to climatic changes since the Little Ice Age on Maladeta Glacier (Central Pyrenees). Geomorphology, 2005, 68, 167-182.	1.1	51
225	The Management of a Large Mediterranean Reservoir: Storage Regimens of the Yesa Reservoir, Upper Aragon River Basin, Central Spanish Pyrenees. Environmental Management, 2004, 34, 508-515.	1.2	46
226	Influence of snow accumulation and snowmelt on streamflow in the central Spanish Pyrenees / Influence de lâ€™accumulation et de la fonte de la neige sur les Â©coulements dans les PyrÃ©nÃ©es centrales espagnoles. Hydrological Sciences Journal, 2004, 49, .	1.2	101
227	Assessing the Effect of Climate Oscillations and Land-use Changes on Streamflow in the Central Spanish Pyrenees. Ambio, 2003, 32, 283-286.	2.8	192
228	Influence of the Yesa reservoir on floods of the AragÃ³n River, central Spanish Pyrenees. Hydrology and Earth System Sciences, 2002, 6, 753-762.	1.9	52
229	Floods downstream the Yesa Reservoir, Spanish Pyrenees. Cuadernos De Investigacion Geografica, 0, 28, 101-108.	0.6	1
230	Superficie glaci�r actual en los Pirineos: Una actualizaci�n para 2016. Pirineos, 0, 172, 029.	0.6	17
231	Adaptaci�n de la demanda de esqu�y del comportamiento de los esquiadores a las condiciones meteorol�gicas, de nieve y al cambio clim�tico en los Pirineos centrales. Pirineos, 0, 175, 062.	0.6	0
232	Recent Evolution of Glaciers in the <scp>Cocuy��can</scp> Mountains (Colombian Andes) and Its Hydrological Implications. Land Degradation and Development, 0, , .	1.8	3