Luis Mediero

List of Publications by Year
in descending order

44 papers	3,267 citations	304602 22 h-index	276775 41 g-index
56 all docs	56 docs citations	56 times ranked	3766 citing authors

#	Article	IF	Citations
1	Improving flash flood risk assessment using a simple approach for extreme rainfall scaling and storms transposition. Journal of Flood Risk Management, 2022, 15, .	1.6	1
2	Trends in flow intermittence for European rivers. Hydrological Sciences Journal, 2021, 66, 37-49.	1.2	41
3	Future Flood Hazard Assessment for the City of Pamplona (Spain) Using an Ensemble of Climate Change Projections. Water (Switzerland), 2021, 13, 792.	1.2	5
4	Identifying the origins of extreme rainfall using storm track classification. Journal of Hydroinformatics, 2020, 22, 296-309.	1.1	5
5	Changing climate both increases and decreases European river floods. Nature, 2019, 573, 108-111.	13.7	639
6	Quantification of the Expected Changes in Annual Maximum Daily Precipitation Quantiles under Climate Change in the Iberian Peninsula. Proceedings (mdpi), 2019, 7, 23.	0.2	3
7	Selection of Bias Correction Methods to Assess the Impact of Climate Change on Flood Frequency Curves. Water (Switzerland), 2019, 11, 2266.	1.2	36
8	Assessment of Changes in Annual Maximum Precipitations in the Iberian Peninsula under Climate Change. Water (Switzerland), 2019, 11, 2375.	1.2	11
9	Influence of climate change on flood magnitude and seasonality in the Arga River catchment in Spain. Acta Geophysica, 2018, 66, 769-790.	1.0	14
10	Links between different classes of storm tracks and the flood trends in Spain. Journal of Hydrology, 2018, 567, 71-85.	2.3	8
11	Selection of Bias Correction Methods to Assess the Impact of Climate Change on Flood Frequency Curves. Proceedings (mdpi), 2018, 7, .	0.2	3
12	Identification of Flood-Rich and Flood-Poor Periods by Using Annual Maximum Series of Floods in Spain. Proceedings (mdpi), 2018, 7, .	0.2	0
13	Utilidad de las proyecciones climáticas generadas por AEMET para estudios de impacto del cambio climático sobre avenidas a escala nacional. Ingeniería Del Agua, 2018, 22, 153.	0.2	8
14	A bivariate trend analysis to investigate the effect of increasing urbanisation on flood characteristics. Hydrology Research, 2017, 48, 802-821.	1.1	8
15	Changing climate shifts timing of European floods. Science, 2017, 357, 588-590.	6.0	584
16	Climate-driven variability in the occurrence of major floods across North America and Europe. Journal of Hydrology, 2017, 552, 704-717.	2.3	122
17	The European 2015 drought from a hydrological perspective. Hydrology and Earth System Sciences, 2017, 21, 3001-3024.	1.9	132
18	Fully Stochastic Distributed Methodology for Multivariate Flood Frequency Analysis. Water (Switzerland), 2016, 8, 225.	1.2	11

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19	Optimization of Hedging Rules for Reservoir Operation During Droughts Based on Particle Swarm Optimization. Water Resources Management, 2016, 30, 5759-5778.	1.9	41
20	Hydrology needed to manage droughts: the 2015 European case. Hydrological Processes, 2016, 30, 3097-3104.	1.1	152
21	Extension of observed flood series by combining a distributed hydro-meteorological model and a copula-based model. Stochastic Environmental Research and Risk Assessment, 2016, 30, 1363-1378.	1.9	32
22	Trends in low flows in Spain in the period 1949â€"2009. Hydrological Sciences Journal, 2016, 61, 568-584.	1.2	24
23	A complete procedure for multivariate index-flood model application. Journal of Hydrology, 2016, 535, 559-580.	2.3	42
24	Identification of coherent flood regions across Europe by using the longest streamflow records. Journal of Hydrology, 2015, 528, 341-360.	2.3	79
25	Quantitative Assessment of Climate Change Vulnerability of Irrigation Demands in Mediterranean Europe. Water Resources Management, 2015, 29, 325-338.	1.9	77
26	Understanding flood regime changes in Europe: a state-of-the-art assessment. Hydrology and Earth System Sciences, 2014, 18, 2735-2772.	1.9	423
27	Modelling uncertainty of flood quantile estimations at ungauged sites by Bayesian networks. Journal of Hydroinformatics, 2014, 16, 822-838.	1.1	4
28	Detection and attribution of trends in magnitude, frequency and timing of floods in Spain. Journal of Hydrology, 2014, 517, 1072-1088.	2.3	90
29	Regional flood hydrology in a semi-arid catchment using a GLS regression model. Journal of Hydrology, 2014, 514, 158-171.	2.3	20
30	Documentary evidence of past floods in Europe and their utility in flood frequency estimation. Journal of Hydrology, 2014, 517, 963-973.	2.3	116
31	Characterisation of the Sensitivity of Water Resources Systems to Climate Change. Water Resources Management, 2013, 27, 4237-4258.	1.9	31
32	Diagnosing Causes of Water Scarcity in Complex Water Resources Systems and Identifying Risk Management Actions. Water Resources Management, 2013, 27, 1693-1705.	1.9	63
33	A bivariate return period based on copulas for hydrologic dam design: accounting for reservoir routing in risk estimation. Hydrology and Earth System Sciences, 2013, 17, 3023-3038.	1.9	136
34	Risk-based methodology for parameter calibration of a reservoir flood control model. Natural Hazards and Earth System Sciences, 2013, 13, 965-981.	1.5	17
35	Improving probabilistic flood forecasting through a data assimilation scheme based on genetic programming. Natural Hazards and Earth System Sciences, 2012, 12, 3719-3732.	1.5	5
36	Effect of radar rainfall time resolution on the predictive capability of a distributed hydrologic model. Hydrology and Earth System Sciences, 2011, 15, 3809-3827.	1.9	23

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37	The FLASH Project: using lightning data to better understand and predict flash floods. Environmental Science and Policy, 2011, 14, 898-911.	2.4	31
38	Using Lightning Data to Better Understand and Predict Flash Floods in the Mediterranean. Surveys in Geophysics, 2011, 32, 733-751.	2.1	36
39	Probabilistic calibration of a distributed hydrological model for flood forecasting. Hydrological Sciences Journal, 2011, 56, 1129-1149.	1.2	23
40	Design flood hydrographs from the relationship between flood peak and volume. Hydrology and Earth System Sciences, 2010, 14, 2495-2505.	1.9	71
41	The Hydrometeorological Forecasting in the Framework of the European Project Flash. Houille Blanche, 2009, 95, 66-71.	0.3	2
42	A probabilistic model to support reservoir operation decisions during flash floods. Hydrological Sciences Journal, 2007, 52, 523-537.	1.2	38
43	PROBABILISTIC FORECASTS USING BAYESIAN NETWORKS CALIBRATED WITH DETERMINISTIC RAINFALL-RUNOFF MODELS. , 2006, , 173-183.		10
44	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. Proceedings of the International Association of Hydrological Sciences, 0, 370, 89-95.	1.0	32