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List of Publications by Year in descending order

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papers

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docs citations

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531
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#	ARTICLE	IF	CITATIONS
1	New machine learning approaches to improve reference evapotranspiration estimates using intra-daily temperature-based variables in a semi-arid region of Spain. <i>Agricultural Water Management</i> , 2021, 245, 106558.	2.4	37
2	Applying multifractality and the self-organized criticality theory to describe the temporal rainfall regimes in Andalusia (southern Spain). <i>Hydrological Processes</i> , 2008, 22, 295-308.	1.1	31
3	Selecting the best IDF model by using the multifractal approach. <i>Hydrological Processes</i> , 2013, 27, 433-443.	1.1	31
4	The history of rainfall data time-resolution in a wide variety of geographical areas. <i>Journal of Hydrology</i> , 2020, 590, 125258.	2.3	29
5	Assessing new intra-daily temperature-based machine learning models to outperform solar radiation predictions in different conditions. <i>Applied Energy</i> , 2021, 298, 117211.	5.1	25
6	Quality assurance procedures for validating meteorological input variables of reference evapotranspiration in mendoza province (Argentina). <i>Agricultural Water Management</i> , 2016, 172, 96-109.	2.4	24
7	The identification of an appropriate Minimum Inter-event Time (MIT) based on multifractal characterization of rainfall data series. <i>Hydrological Processes</i> , 2016, 30, 3507-3517.	1.1	23
8	Delimiting homogeneous regions using the multifractal properties of validated rainfall data series. <i>Journal of Hydrology</i> , 2015, 529, 106-119.	2.3	22
9	Monthly Precipitation Forecasts Using Wavelet Neural Networks Models in a Semiarid Environment. <i>Water (Switzerland)</i> , 2020, 12, 1909.	1.2	21
10	Multifractal analysis of validated wind speed time series. <i>Chaos</i> , 2013, 23, 013133.	1.0	20
11	On the choice of the optimal frequency analysis of annual extreme rainfall by multifractal approach. <i>Journal of Hydrology</i> , 2019, 575, 1267-1279.	2.3	17
12	Assessing Machine Learning Models for Gap Filling Daily Rainfall Series in a Semiarid Region of Spain. <i>Atmosphere</i> , 2021, 12, 1158.	1.0	17
13	Regional analysis of the annual maximum daily rainfall in the province of Malaga (southern Spain) using the principal component analysis. <i>Water and Environment Journal</i> , 2011, 25, 522-531.	1.0	16
14	Detection of spurious precipitation signals from automatic weather stations in irrigated areas. <i>International Journal of Climatology</i> , 2015, 35, 1556-1568.	1.5	16
15	Multifractal analysis as a tool for validating a rainfall model. <i>Hydrological Processes</i> , 2008, 22, 2672-2688.	1.1	15
16	Spatial regression test for ensuring temperature data quality in southern Spain. <i>Theoretical and Applied Climatology</i> , 2018, 131, 309-318.	1.3	13
17	Assessing Inhomogeneities in Extreme Annual Rainfall Data Series by Multifractal Approach. <i>Water (Switzerland)</i> , 2020, 12, 1030.	1.2	13
18	Obtaining Homogeneous Regions by Determining the Generalized Fractal Dimensions of Validated Daily Rainfall Data Sets. <i>Water Resources Management</i> , 2017, 31, 2333-2348.	1.9	11

#	ARTICLE	IF	CITATIONS
19	A More Efficient Rainfall Intensity-Duration-Frequency Relationship by Using an <i>at-site</i> Regional Frequency Analysis: Application at Mediterranean Climate Locations. <i>Water Resources Management</i> , 2015, 29, 3243-3263.	1.9	9
20	Multifractal analysis of diurnal temperature range over Southern Spain using validated datasets. <i>Chaos</i> , 2019, 29, 063105.	1.0	9
21	AgroML: An Open-Source Repository to Forecast Reference Evapotranspiration in Different Geo-Climatic Conditions Using Machine Learning and Transformer-Based Models. <i>Agronomy</i> , 2022, 12, 656.	1.3	9
22	Data validation procedures in agricultural meteorology <i>â€</i> a prerequisite for their use. <i>Advances in Science and Research</i> , 2011, 6, 141-146.	1.0	7
23	Detection of trends and break points in temperature: the case of Umbria (Italy) and Guadalquivir Valley (Spain). <i>Acta Geophysica</i> , 2018, 66, 329-343.	1.0	7
24	The use of the exponent $K(q)$ function to delimit homogeneous regions in regional frequency analysis of extreme annual daily rainfall. <i>Hydrological Processes</i> , 2015, 29, 139-151.	1.1	6
25	A Simple Scaling Analysis of Rainfall in Andalusia (Spain) under Different Precipitation Regimes. <i>Water (Switzerland)</i> , 2022, 14, 1303.	1.2	6
26	Spatial and Trend Analyses of Rainfall Seasonality and Erosivity in the West of Andalusia (Period Tj ETQq0 0 0 rgBT / Overlock_10 Tf 50 4	0.9	5
27	Multifractal analysis to study break points in temperature data sets. <i>Chaos</i> , 2019, 29, 093116.	1.0	5
28	On the applicability of temporal stability analysis to raingauge network design. <i>Hydrological Sciences Journal</i> , 2019, 64, 1424-1438.	1.2	4
29	Innovative Student Response System Methodologies for Civil Engineering Practical Lectures. <i>Technology, Knowledge and Learning</i> , 2020, 25, 835-852.	3.1	4
30	A quality control procedure for long-term series of daily precipitation data in a semiarid environment. <i>Theoretical and Applied Climatology</i> , 2022, 149, 1029-1041.	1.3	4
31	Description of the Daily Number of Rain-Free Hours Series from a Location in Southern Spain by Using the Multifractal Turbulence Formalism. <i>Journal of Hydrologic Engineering - ASCE</i> , 2008, 13, 987-991.	0.8	3
32	Free surface profiles in river flows: Can standard energy-based gradually-varied flow computations be pursued?. <i>Journal of Hydrology</i> , 2015, 529, 1644-1656.	2.3	3
33	Local Analysis of the Characteristics and Frequency of Extreme Droughts in MÃlaga Using the SPI (Standardized Precipitation Index). <i>Lecture Notes in Management and Industrial Engineering</i> , 2015, , 167-179.	0.3	3
34	Assessing Neural Network Approaches for Solar Radiation Estimates Using Limited Climatic Data in the Mediterranean Sea. <i>Environmental Sciences Proceedings</i> , 2020, 4, .	0.3	2
35	Multifractal Characterization of Seismic Activity in the Provinces of Esmeraldas and ManabÃ; Ecuador. <i>Proceedings (mdpi)</i> , 2019, 24, 27.	0.2	1