

# Georgia Papacharalampous

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

1,881  
citations

430442

18  
h-index

454577

30  
g-index

48  
all docs

48  
docs citations

48  
times ranked

2040  
citing authors

#	ARTICLE	IF	CITATIONS
1	Massive feature extraction for explaining and foretelling hydroclimatic time series forecastability at the global scale. <i>Geoscience Frontiers</i> , 2022, 13, 101349.	4.3	10
2	Probabilistic Water Demand Forecasting Using Quantile Regression Algorithms. <i>Water Resources Research</i> , 2022, 58, .	1.7	6
3	Continuous hydrologic modelling for small and ungauged basins: A comparison of eight rainfall models for sub-daily runoff simulations. <i>Journal of Hydrology</i> , 2022, 610, 127866.	2.3	17
4	Time Series Features for Supporting Hydrometeorological Explorations and Predictions in Ungauged Locations Using Large Datasets. <i>Water (Switzerland)</i> , 2022, 14, 1657.	1.2	10
5	Super ensemble learning for daily streamflow forecasting: large-scale demonstration and comparison with multiple machine learning algorithms. <i>Neural Computing and Applications</i> , 2021, 33, 3053-3068.	3.2	85
6	Streamflow forecasting at large time scales using statistical models. , 2021, , 51-86.		1
7	Boosting algorithms in energy research: a systematic review. <i>Neural Computing and Applications</i> , 2021, 33, 14101-14117.	3.2	33
8	Global-scale massive feature extraction from monthly hydroclimatic time series: Statistical characterizations, spatial patterns and hydrological similarity. <i>Science of the Total Environment</i> , 2021, 767, 144612.	3.9	25
9	Explanation and Probabilistic Prediction of Hydrological Signatures with Statistical Boosting Algorithms. <i>Remote Sensing</i> , 2021, 13, 333.	1.8	10
10	Quantile-Based Hydrological Modelling. <i>Water (Switzerland)</i> , 2021, 13, 3420.	1.2	14
11	Quantification of predictive uncertainty in hydrological modelling by harnessing the wisdom of the crowd: A large-sample experiment at monthly timescale. <i>Advances in Water Resources</i> , 2020, 136, 103470.	1.7	25
12	Quantification of predictive uncertainty in hydrological modelling by harnessing the wisdom of the crowd: Methodology development and investigation using toy models. <i>Advances in Water Resources</i> , 2020, 136, 103471.	1.7	14
13	Hydrological time series forecasting using simple combinations: Big data testing and investigations on one-year ahead river flow predictability. <i>Journal of Hydrology</i> , 2020, 590, 125205.	2.3	27
14	Estimation of intensityâ€‘durationâ€‘frequency curves using max-stable processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 239-252.	1.9	20
15	Hydrological post-processing using stacked generalization of quantile regression algorithms: Large-scale application over CONUS. <i>Journal of Hydrology</i> , 2019, 577, 123957.	2.3	68
16	Twenty-three unsolved problems in hydrology (UPH) â€‘ a community perspective. <i>Hydrological Sciences Journal</i> , 2019, 64, 1141-1158.	1.2	474
17	A Brief Review of Random Forests for Water Scientists and Practitioners and Their Recent History in <i>Water Resources</i> . <i>Water (Switzerland)</i> , 2019, 11, 910.	1.2	336
18	How to explain and predict the shape parameter of the generalized extreme value distribution of streamflow extremes using a big dataset. <i>Journal of Hydrology</i> , 2019, 574, 628-645.	2.3	44

#	ARTICLE	IF	CITATIONS
19	Probabilistic Hydrological Post-Processing at Scale: Why and How to Apply Machine-Learning Quantile Regression Algorithms. <i>Water (Switzerland)</i> , 2019, 11, 2126.	1.2	51
20	Comparison of stochastic and machine learning methods for multi-step ahead forecasting of hydrological processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2019, 33, 481-514.	1.9	80
21	Predictability of monthly temperature and precipitation using automatic time series forecasting methods. <i>Acta Geophysica</i> , 2018, 66, 807-831.	1.0	92
22	One-step ahead forecasting of geophysical processes within a purely statistical framework. <i>Geoscience Letters</i> , 2018, 5, .	1.3	28
23	On the long-range dependence properties of annual precipitation using a global network of instrumental measurements. <i>Advances in Water Resources</i> , 2018, 111, 301-318.	1.7	31
24	Univariate Time Series Forecasting of Temperature and Precipitation with a Focus on Machine Learning Algorithms: a Multiple-Case Study from Greece. <i>Water Resources Management</i> , 2018, 32, 5207-5239.	1.9	46
25	Exploratory data analysis of the electrical energy demand in the time domain in Greece. <i>Energy</i> , 2017, 134, 902-918.	4.5	13
26	Data and code for the exploratory data analysis of the electrical energy demand in the time domain in Greece. <i>Data in Brief</i> , 2017, 13, 700-702.	0.5	6
27	On the prediction of persistent processes using the output of deterministic models. <i>Hydrological Sciences Journal</i> , 2017, 62, 2083-2102.	1.2	19
28	Variable Selection in Time Series Forecasting Using Random Forests. <i>Algorithms</i> , 2017, 10, 114.	1.2	106
29	A Bayesian statistical model for deriving the predictive distribution of hydroclimatic variables. <i>Climate Dynamics</i> , 2014, 42, 2867-2883.	1.7	28
30	An algorithm to construct Monte Carlo confidence intervals for an arbitrary function of probability distribution parameters. <i>Computational Statistics</i> , 2013, 28, 1501-1527.	0.8	13
31	Simultaneous estimation of the parameters of the Hurst-Kolmogorov stochastic process. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011, 25, 21-33.	1.9	53
32	Large-scale assessment of Prophet for multi-step ahead forecasting of monthly streamflow. <i>Advances in Geosciences</i> , 0, 45, 147-153.	12.0	20
33	Evaluation of random forests and Prophet for daily streamflow forecasting. <i>Advances in Geosciences</i> , 0, 45, 201-208.	12.0	61
34	Error Evolution Patterns in Multi-Step Ahead Streamflow Forecasting. , 0, , .		0