

Demetris Koutsoyiannis

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

242
papers

8,598
citations

50
h-index

84
g-index

323
ext. papers

9,827
ext. citations

4
avg, IF

7.04
L-index

#	Paper	IF	Citations
242	Banta Rhei Everything Flows Change in hydrology and society The IAHS Scientific Decade 2013-2022. <i>Hydrological Sciences Journal</i> , 2013 , 58, 1256-1275	3.5	452
241	A mathematical framework for studying rainfall intensity-duration-frequency relationships. <i>Journal of Hydrology</i> , 1998 , 206, 118-135	6	292
240	Climate change, the Hurst phenomenon, and hydrological statistics. <i>Hydrological Sciences Journal</i> , 2003 , 48, 3-24	3.5	271
239	One decade of multi-objective calibration approaches in hydrological modelling: a review. <i>Hydrological Sciences Journal</i> , 2010 , 55, 58-78	3.5	269
238	Flood fatalities in Africa: From diagnosis to mitigation. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	225
237	Statistical analysis of hydroclimatic time series: Uncertainty and insights. <i>Water Resources Research</i> , 2007 , 43,	5.4	210
236	Battle of extreme value distributions: A global survey on extreme daily rainfall. <i>Water Resources Research</i> , 2013 , 49, 187-201	5.4	206
235	The Hurst phenomenon and fractional Gaussian noise made easy. <i>Hydrological Sciences Journal</i> , 2002 , 47, 573-595	3.5	190
234	Modeling and mitigating natural hazards: Stationarity is immortal!. <i>Water Resources Research</i> , 2014 , 50, 9748-9756	5.4	161
233	Nonstationarity versus scaling in hydrology. <i>Journal of Hydrology</i> , 2006 , 324, 239-254	6	153
232	Statistics of extremes and estimation of extreme rainfall: I. Theoretical investigation / Statistiques de valeurs extrêmes et estimation de précipitations extrêmes: I. Recherche théorique. <i>Hydrological Sciences Journal</i> , 2004 , 49,	3.5	138
231	Statistics of extremes and estimation of extreme rainfall: II. Empirical investigation of long rainfall records / Statistiques de valeurs extrêmes et estimation de précipitations extrêmes: II. Recherche empirique sur de longues séries de précipitations. <i>Hydrological Sciences Journal</i> , 2004 , 49,	3.5	135
230	Dryland hydrology in Mediterranean regions – review. <i>Hydrological Sciences Journal</i> , 2007 , 52, 1077-1087	3.5	133
229	HESS Opinions “A random walk on water”; <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 585-601	5.5	131
228	A blueprint for process-based modeling of uncertain hydrological systems. <i>Water Resources Research</i> , 2012 , 48,	5.4	129
227	Rainfall disaggregation using adjusting procedures on a Poisson cluster model. <i>Journal of Hydrology</i> , 2001 , 246, 109-122	6	129
226	Evaluation of the parameterization-simulation-optimization approach for the control of reservoir systems. <i>Water Resources Research</i> , 2003 , 39,	5.4	125

225	Negligent killing of scientific concepts: the stationarity case. <i>Hydrological Sciences Journal</i> , 2015 , 60, 1174-1183	3.5	123
224	Hurst-Kolmogorov Dynamics and Uncertainty ¹ . <i>Journal of the American Water Resources Association</i> , 2011 , 47, 481-495	2.1	122
223	Comparative evaluation of 1D and quasi-2D hydraulic models based on benchmark and real-world applications for uncertainty assessment in flood mapping. <i>Journal of Hydrology</i> , 2016 , 534, 478-492	6	121
222	How extreme is extreme? An assessment of daily rainfall distribution tails. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 851-862	5.5	118
221	On the credibility of climate predictions. <i>Hydrological Sciences Journal</i> , 2008 , 53, 671-684	3.5	117
220	A generalized mathematical framework for stochastic simulation and forecast of hydrologic time series. <i>Water Resources Research</i> , 2000 , 36, 1519-1533	5.4	111
219	A comparison of local and aggregated climate model outputs with observed data. <i>Hydrological Sciences Journal</i> , 2010 , 55, 1094-1110	3.5	88
218	Urban wastewater and stormwater technologies in ancient Greece. <i>Water Research</i> , 2005 , 39, 210-20	12.5	87
217	Analysis of a Long Record of Annual Maximum Rainfall in Athens, Greece, and Design Rainfall Inferences 2000 , 22, 29-48		87
216	Entropy based derivation of probability distributions: A case study to daily rainfall. <i>Advances in Water Resources</i> , 2012 , 45, 51-57	4.7	86
215	A probabilistic view of hershfield's method for estimating probable maximum precipitation. <i>Water Resources Research</i> , 1999 , 35, 1313-1322	5.4	79
214	Climatic Variability Over Time Scales Spanning Nine Orders of Magnitude: Connecting Milankovitch Cycles with Hurst-Kolmogorov Dynamics. <i>Surveys in Geophysics</i> , 2013 , 34, 181-207	7.6	78
213	Hydrology and change. <i>Hydrological Sciences Journal</i> , 2013 , 58, 1177-1197	3.5	77
212	A scaling model of a storm hyetograph. <i>Water Resources Research</i> , 1993 , 29, 2345-2361	5.4	76
211	Climate, hydrology and freshwater: towards an interactive incorporation of hydrological experience into climate research. <i>Hydrological Sciences Journal</i> , 2009 , 54, 394-405	3.5	72
210	A parametric rule for planning and management of multiple-reservoir systems. <i>Water Resources Research</i> , 1997 , 33, 2165-2177	5.4	70
209	Coupling stochastic models of different timescales. <i>Water Resources Research</i> , 2001 , 37, 379-391	5.4	69
208	Medium-range flow prediction for the Nile: a comparison of stochastic and deterministic methods / Prvision du dbit du Nil ¶moyen terme: une comparaison de mthodes stochastiques et dterministes. <i>Hydrological Sciences Journal</i> , 2008 , 53, 142-164	3.5	68

207	Urban Water Management in Ancient Greece: Legacies and Lessons. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2008 , 134, 45-54	2.8	66
206	Uncertainty, entropy, scaling and hydrological stochasticity. 1. Marginal distributional properties of hydrological processes and state scaling / Incertitude, entropie, effet d'échelle et propriétés stochastiques hydrologiques. 1. Propriétés distributionnelles marginales des processus hydrologiques et échelle d'état. <i>Hydrological Sciences Journal</i> , 2005 , 50,	3.5	66
205	Multivariate rainfall disaggregation at a fine timescale. <i>Water Resources Research</i> , 2003 , 39,	5.4	65
204	Predictability of monthly temperature and precipitation using automatic time series forecasting methods. <i>Acta Geophysica</i> , 2018 , 66, 807-831	2.2	58
203	A multivariate stochastic model for the generation of synthetic time series at multiple time scales reproducing long-term persistence. <i>Environmental Modelling and Software</i> , 2014 , 62, 139-152	5.2	57
202	Climacogram versus autocovariance and power spectrum in stochastic modelling for Markovian and Hurst-Kolmogorov processes. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015 , 29, 1649-1669	3.5	56
201	A stochastic disaggregation method for design storm and flood synthesis. <i>Journal of Hydrology</i> , 1994 , 156, 193-225	6	56
200	A probabilistic approach to the concept of Probable Maximum Precipitation. <i>Advances in Geosciences</i> , 7 , 51-54		56
199	Simple Disaggregation by Accurate Adjusting Procedures. <i>Water Resources Research</i> , 1996 , 32, 2105-2117	3.4	55
198	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	3.5	55
197	HESS Opinions: "Climate, hydrology, energy, water: recognizing uncertainty and seeking sustainability". <i>Hydrology and Earth System Sciences</i> , 2009 , 13, 247-257	5.5	54
196	Clausius-Clapeyron equation and saturation vapour pressure: simple theory reconciled with practice. <i>European Journal of Physics</i> , 2012 , 33, 295-305	0.8	53
195	Generic and parsimonious stochastic modelling for hydrology and beyond. <i>Hydrological Sciences Journal</i> , 2016 , 61, 225-244	3.5	51
194	One hundred years of return period: Strengths and limitations. <i>Water Resources Research</i> , 2015 , 51, 8570-8585	3.4	51
193	A global survey on the seasonal variation of the marginal distribution of daily precipitation. <i>Advances in Water Resources</i> , 2016 , 94, 131-145	4.7	50
192	Scale of water resources development and sustainability: small is beautiful, large is great. <i>Hydrological Sciences Journal</i> , 2011 , 56, 553-575	3.5	49
191	Simultaneous estimation of the parameters of the Hurst-Kolmogorov stochastic process. <i>Stochastic Environmental Research and Risk Assessment</i> , 2011 , 25, 21-33	3.5	48
190	Deterministic chaos versus stochasticity in analysis and modeling of point rainfall series. <i>Journal of Geophysical Research</i> , 1996 , 101, 26441-26451		47

189	Uncertainty Assessment of Future Hydroclimatic Predictions: A Comparison of Probabilistic and Scenario-Based Approaches. <i>Journal of Hydrometeorology</i> , 2007 , 8, 261-281	3.7	46
188	A parsimonious regional parametric evapotranspiration model based on a simplification of the Penman-Monteith formula. <i>Journal of Hydrology</i> , 2015 , 524, 708-717	6	45
187	A rainfall disaggregation scheme for sub-hourly time scales: Coupling a Bartlett-Lewis based model with adjusting procedures. <i>Journal of Hydrology</i> , 2018 , 556, 980-992	6	45
186	Uncertainty, entropy, scaling and hydrological stochasticity. 2. Time dependence of hydrological processes and time scaling / Incertitude, entropie, effet d'échelle et propriétés stochastiques hydrologiques. 2. Dépendance temporelle des processus hydrologiques et échelle temporelle. <i>Hydrological Sciences Journal</i> , 2005 , 50,	3.5	45
185	Flood design recipes vs. reality: can predictions for ungauged basins be trusted?. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 1417-1428	3.9	44
184	Estimating the Uncertainty of Hydrological Predictions through Data-Driven Resampling Techniques. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20,	1.8	43
183	The scientific legacy of Harold Edwin Hurst (1880-1978). <i>Hydrological Sciences Journal</i> , 2016 , 61, 1571-1590	3.5	43
182	A decision support system for the management of the water resource system of Athens. <i>Physics and Chemistry of the Earth</i> , 2003 , 28, 599-609	3	43
181	A dynamic model for short-scale rainfall disaggregation. <i>Hydrological Sciences Journal</i> , 1990 , 35, 303-322	3.5	42
180	Just two moments! A cautionary note against use of high-order moments in multifractal models in hydrology. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 243-255	5.5	41
179	Revisiting the global hydrological cycle: is it intensifying?. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 3899-3932	5.5	41
178	Stochastic synthesis approximating any process dependence and distribution. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 1493-1515	3.5	40
177	Scale-dependence of persistence in precipitation records. <i>Nature Climate Change</i> , 2016 , 6, 399-401	21.4	40
176	Calibration of a semi-distributed model for conjunctive simulation of surface and groundwater flows / Calage d'un modèle semi-distribué pour la simulation conjointe d'écoulements superficiels et souterrains. <i>Hydrological Sciences Journal</i> , 2004 , 49,	3.5	40
175	Rainfall downscaling in time: theoretical and empirical comparison between multifractal and Hurst-Kolmogorov discrete random cascades. <i>Hydrological Sciences Journal</i> , 2012 , 57, 1052-1066	3.5	39
174	A brief history of urban water supply in antiquity. <i>Water Science and Technology: Water Supply</i> , 2007 , 7, 1-12	1.4	37
173	A DECISION SUPPORT TOOL FOR THE MANAGEMENT OF MULTI-RESERVOIR SYSTEMS1. <i>Journal of the American Water Resources Association</i> , 2002 , 38, 945-958	2.1	37
172	Holistic versus monomeric strategies for hydrological modelling of human-modified hydrosystems. <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 743-758	5.5	36

171	Probabilistic Hydrological Post-Processing at Scale: Why and How to Apply Machine-Learning Quantile Regression Algorithms. <i>Water (Switzerland)</i> , 2019 , 11, 2126	3	36
170	Hurst-Kolmogorov dynamics as a result of extremal entropy production. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011 , 390, 1424-1432	3-3	33
169	HYDROGEIOS: a semi-distributed GIS-based hydrological model for modified river basins. <i>Hydrology and Earth System Sciences</i> , 2008 , 12, 989-1006	5-5	33
168	On the quest for chaotic attractors in hydrological processes. <i>Hydrological Sciences Journal</i> , 2006 , 51, 1065-1091	3-5	33
167	A theoretically consistent stochastic cascade for temporal disaggregation of intermittent rainfall. <i>Water Resources Research</i> , 2017 , 53, 4586-4605	5-4	31
166	Revisiting long-range dependence in annual precipitation. <i>Journal of Hydrology</i> , 2018 , 556, 891-900	6	31
165	Assessment of environmental flows under limited data availability: case study of the Acheloos River, Greece. <i>Hydrological Sciences Journal</i> , 2014 , 59, 731-750	3-5	31
164	Temporal and spatial variability of rainfall over Greece. <i>Theoretical and Applied Climatology</i> , 2017 , 130, 217-232	3	31
163	A nonlinear disaggregation method with a reduced parameter set for simulation of hydrologic series. <i>Water Resources Research</i> , 1992 , 28, 3175-3191	5-4	30
162	A quick gap filling of missing hydrometeorological data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 9290-9300	4-4	29
161	An entropic-stochastic representation of rainfall intermittency: The origin of clustering and persistence. <i>Water Resources Research</i> , 2006 , 42,	5-4	29
160	On the parametric approach to unit hydrograph identification. <i>Water Resources Management</i> , 1989 , 3, 107-128	3-7	29
159	A Global-Scale Investigation of Stochastic Similarities in Marginal Distribution and Dependence Structure of Key Hydrological-Cycle Processes. <i>Hydrology</i> , 2021 , 8, 59	2.8	29
158	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	3-7	29
157	Stochastic analysis and simulation of hydrometeorological processes associated with wind and solar energy. <i>Renewable Energy</i> , 2014 , 63, 624-633	8.1	27
156	Parametric Modelling of Potential Evapotranspiration: A Global Survey. <i>Water (Switzerland)</i> , 2017 , 9, 795	3	27
155	Can a simple stochastic model generate rich patterns of rainfall events?. <i>Journal of Hydrology</i> , 2011 , 411, 279-289	6	27
154	Editorial Quantifying the impact of hydrological studies. <i>Hydrological Sciences Journal</i> , 2007 , 52, 3-17	3-5	27

153	One-step ahead forecasting of geophysical processes within a purely statistical framework. <i>Geoscience Letters</i> , 2018 , 5,	3.5	26
152	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	4.7	26
151	Discussion of Generalized regression neural networks for evapotranspiration modelling. <i>Hydrological Sciences Journal</i> , 2007 , 52, 832-839	3.5	25
150	Hydrological modelling of temporally-varying catchments: facets of change and the value of information. <i>Hydrological Sciences Journal</i> , 2015 , 60, 1438-1461	3.5	24
149	Ecosystem functioning is enveloped by hydrometeorological variability. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1263-1270	12.3	24
148	A stochastic methodology for generation of seasonal time series reproducing overyear scaling behaviour. <i>Journal of Hydrology</i> , 2006 , 322, 138-154	6	24
147	A review of land use, visibility and public perception of renewable energy in the context of landscape impact. <i>Applied Energy</i> , 2020 , 276, 115367	10.7	24
146	Simulation of Stochastic Processes Exhibiting Any-Range Dependence and Arbitrary Marginal Distributions. <i>Water Resources Research</i> , 2018 , 54, 9484-9513	5.4	24
145	Entropy: From Thermodynamics to Hydrology. <i>Entropy</i> , 2014 , 16, 1287-1314	2.8	23
144	A groundwater-based, objective-heuristic parameter optimisation method for a precipitation-runoff model and its application to a semi-arid basin. <i>Journal of Hydrology</i> , 2004 , 290, 243-258	6	23
143	A toy model of climatic variability with scaling behaviour. <i>Journal of Hydrology</i> , 2006 , 322, 25-48	6	22
142	A multicell karstic aquifer model with alternative flow equations. <i>Journal of Hydrology</i> , 2006 , 325, 340-355	3.5	22
141	Optimal decomposition of covariance matrices for multivariate stochastic models in hydrology. <i>Water Resources Research</i> , 1999 , 35, 1219-1229	5.4	22
140	A Bayesian statistical model for deriving the predictive distribution of hydroclimatic variables. <i>Climate Dynamics</i> , 2014 , 42, 2867-2883	4.2	21
139	Reconciling hydrology with engineering 2014 , 45, 2-22		19
138	Two-dimensional Hurst-Kolmogorov process and its application to rainfall fields. <i>Journal of Hydrology</i> , 2011 , 398, 91-100	6	18
137	A multi-model approach to the simulation of large scale karst flows. <i>Journal of Hydrology</i> , 2008 , 348, 412-424	6	18
136	Estimation of Actual Evapotranspiration by Remote Sensing: Application in Thessaly Plain, Greece. <i>Sensors</i> , 2008 , 8, 3586-3600	3.8	18

135	Broken line smoothing: a simple method for interpolating and smoothing data series. <i>Environmental Modelling and Software</i> , 2000 , 15, 139-149	5.2	18
134	On the prediction of persistent processes using the output of deterministic models. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2083-2102	3.5	17
133	Predictability in dice motion: how does it differ from hydro-meteorological processes?. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1611-1622	3.5	16
132	Harnessing wind and wave resources for a Hybrid Renewable Energy System in remote islands: a combined stochastic and deterministic approach. <i>Energy Procedia</i> , 2017 , 125, 415-424	2.3	16
131	Projecting the future of rainfall extremes: Better classic than trendy. <i>Journal of Hydrology</i> , 2020 , 588, 125005	6	16
130	Scientific dialogue on climate: is it giving black eyes or opening closed eyes? Reply to A black eye for the Hydrological Sciences Journal by D. Huard. <i>Hydrological Sciences Journal</i> , 2011 , 56, 1334-1339	3.5	16
129	Entropy Production in Stochastics. <i>Entropy</i> , 2017 , 19, 581	2.8	15
128	Resolving conflicting objectives in the management of the Plastiras Lake: can we quantify beauty?. <i>Hydrology and Earth System Sciences</i> , 2005 , 9, 507-515	5.5	15
127	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	4.7	15
126	Save hydrological observations! Return period estimation without data decimation. <i>Journal of Hydrology</i> , 2019 , 571, 782-792	6	15
125	Insights into the Oroville Dam 2017 Spillway Incident. <i>Geosciences (Switzerland)</i> , 2019 , 9, 37	2.7	14
124	Time arrow in stochastic characterization and simulation of atmospheric and hydrological processes. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1013-1037	3.5	14
123	Characterizing and Modeling Seasonality in Extreme Rainfall. <i>Water Resources Research</i> , 2018 , 54, 6242-6258	5.4	14
122	Logical and illogical exegeses of hydrometeorological phenomena in ancient Greece. <i>Water Science and Technology: Water Supply</i> , 2007 , 7, 13-22	1.4	14
121	Minimizing water cost in water resource management of Athens. <i>Urban Water Journal</i> , 2004 , 1, 3-15	2.3	14
120	Influence of atmospheric circulation types on space-time distribution of intense rainfall. <i>Journal of Geophysical Research</i> , 1996 , 101, 26267-26276		14
119	A large sample analysis of European rivers on seasonal river flow correlation and its physical drivers. <i>Hydrology and Earth System Sciences</i> , 2019 , 23, 73-91	5.5	13
118	Aesthetical Issues of Leonardo Da Vinci's and Pablo Picasso's Paintings with Stochastic Evaluation. <i>Heritage</i> , 2020 , 3, 283-305	1.6	13

117	Stochastic Evaluation of Landscapes Transformed by Renewable Energy Installations and Civil Works. <i>Energies</i> , 2019 , 12, 2817	3.1	13
116	A Parametric Model for Potential Evapotranspiration Estimation Based on a Simplified Formulation of the Penman- Monteith Equation 2013 ,		13
115	Editorial The peer-review system: prospects and challenges. <i>Hydrological Sciences Journal</i> , 2005 , 50,	3.5	13
114	On the representation of hyetograph characteristics by stochastic rainfall models. <i>Journal of Hydrology</i> , 2001 , 251, 65-87	6	13
113	Stochastic investigation of long-term persistence in two-dimensional images of rocks. <i>Spatial Statistics</i> , 2019 , 29, 177-191	2.2	13
112	Knowable moments for high-order stochastic characterization and modelling of hydrological processes. <i>Hydrological Sciences Journal</i> , 2019 , 64, 19-33	3.5	12
111	Revealing hidden persistence in maximum rainfall records. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1673-1689	3.5	12
110	An algorithm to construct Monte Carlo confidence intervals for an arbitrary function of probability distribution parameters. <i>Computational Statistics</i> , 2013 , 28, 1501-1527	1	12
109	Evolution of Clustering Quantified by a Stochastic Method Case Studies on Natural and Human Social Structures. <i>Sustainability</i> , 2020 , 12, 7972	3.6	12
108	Variability of global mean annual temperature is significantly influenced by the rhythm of ocean-atmosphere oscillations. <i>Science of the Total Environment</i> , 2020 , 747, 141256	10.2	12
107	Reliability Concepts in Reservoir Design		12
106	From Fractals to Stochastics: Seeking Theoretical Consistency in Analysis of Geophysical Data 2018 , 237-278		11
105	On the Exact Distribution of Correlated Extremes in Hydrology. <i>Water Resources Research</i> , 2019 , 55, 10405-10423	9.4	12
104	Toward a theoretical framework for integrated modeling of hydrological change. <i>Wiley Interdisciplinary Reviews: Water</i> , 2014 , 1, 427-438	5.7	11
103	Fitting Hydrological Models on Multiple Responses Using the Multiobjective Evolutionary Annealing-Simplex Approach. <i>Water Science and Technology Library</i> , 2009 , 259-273	0.3	11
102	Stochastic similarities between the microscale of turbulence and hydro-meteorological processes. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1623-1640	3.5	10
101	Application of Stochastic Methods to Double Cyclostationary Processes for Hourly Wind Speed Simulation. <i>Energy Procedia</i> , 2015 , 76, 406-411	2.3	10
100	Simple stochastic simulation of time irreversible and reversible processes. <i>Hydrological Sciences Journal</i> , 2020 , 65, 536-551	3.5	10

99	Climatic variability and the evolution of water technologies in Crete, Hellas. <i>Water History</i> , 2016 , 8, 137-157	10
98	Hydrologic Persistence and The Hurst Phenomenon	10
97	The Development of the Athens Water Supply System and Inferences for Optimizing the Scale of Water Infrastructures. <i>Sustainability</i> , 2019 , 11, 2657	3.6 9
96	A stochastic model for the hourly solar radiation process for application in renewable resources management. <i>Advances in Geosciences</i> , 45 , 139-145	9
95	Joint editorial ¶Fostering innovation and improving impact assessment for journal publications in hydrology. <i>Hydrological Sciences Journal</i> , 2016 , 1-4	3.5 8
94	Evaluation of a Parametric Approach for Estimating Potential Evapotranspiration Across Different Climates. <i>Agriculture and Agricultural Science Procedia</i> , 2015 , 4, 2-9	8
93	<i></i>HESSE Opinions</i> "A random walk on water"	8
92	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	4.7 8
91	Rethinking Climate, Climate Change, and Their Relationship with Water. <i>Water (Switzerland)</i> , 2021 , 13, 849	3 8
90	Bilinear surface smoothing for spatial interpolation with optional incorporation of an explanatory variable. Part 2: Application to synthesized and rainfall data. <i>Hydrological Sciences Journal</i> , 2016 , 61, 527-540	3.5 7
89	Field survey and modelling of irrigation water quality indices in a Mediterranean island catchment: a comparison between spatial interpolation methods. <i>Hydrological Sciences Journal</i> , 2018 , 63, 1447-1467	3.5 7
88	On the future of journal publications in hydrology 2014 , 45, 515-518	7
87	A STOCHASTIC INDEX METHOD FOR CALCULATING ANNUAL FLOW DURATION CURVES IN INTERMITTENT RIVERS. <i>Irrigation and Drainage</i> , 2013 , 62, 41-49	1.1 7
86	Entropy and Wealth. <i>Entropy</i> , 2021 , 23,	2.8 7
85	Global Investigation of Double Periodicity ¶Hourly Wind Speed for Stochastic Simulation; Application in Greece. <i>Energy Procedia</i> , 2016 , 97, 278-285	2.3 7
84	Landscape Planning of Infrastructure through Focus Points¶Clustering Analysis. Case Study: Plastiras Artificial Lake (Greece). <i>Infrastructures</i> , 2021 , 6, 12	2.6 7
83	Water and Energy 2021 , 619-657	7
82	Simulation of water-energy fluxes through small-scale reservoir systems under limited data availability. <i>Energy Procedia</i> , 2017 , 125, 405-414	2.3 6

81	Broken line smoothing for data series interpolation by incorporating an explanatory variable with denser observations: application to soil-water and rainfall data. <i>Hydrological Sciences Journal</i> , 2015 , 60, 468-481	3.5	6
80	Atmospheric Temperature and CO2: Hen-Or-Egg Causality?. <i>Sci</i> , 2020 , 2, 83	0.7	6
79	Reply to comment by Grey Nearing on A blueprint for process-based modeling of uncertain hydrological systems. <i>Water Resources Research</i> , 2014 , 50, 6264-6268	5.4	6
78	The Mycenaean drainage works of north Kopais, Greece: a new project incorporating surface surveys, geophysical research and excavation. <i>Water Science and Technology: Water Supply</i> , 2013 , 13, 710-718	1.4	6
77	Error analysis of a multi-cell groundwater model. <i>Journal of Hydrology</i> , 2010 , 392, 22-30	6	6
76	Bluecat: A Local Uncertainty Estimator for Deterministic Simulations and Predictions. <i>Water Resources Research</i> , 2022 , 58,	5.4	6
75	Generalized storage-reliability-yield framework for hydroelectric reservoirs. <i>Hydrological Sciences Journal</i> , 2021 , 66, 580-599	3.5	6
74	Investigation on the stochastic nature of the solar radiation process. <i>Energy Procedia</i> , 2017 , 125, 398-404.	4.3	5
73	Simulation of electricity demand in a remote island for optimal planning of a hybrid renewable energy system. <i>Energy Procedia</i> , 2017 , 125, 435-442	2.3	5
72	On the future of journal publications in hydrology. <i>Water Resources Research</i> , 2014 , 50, 2795-2797	5.4	5
71	Hydraulic Characteristics of the Drainage Systems of Ancient Hellenic Theatres: Case Study of the Theatre of Dionysus and Its Implications. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2015 , 141, 04015018	1.1	5
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