Demetris Koutsoyiannis

List of Publications by Year
in descending order

244 papers	11,050 citations	30070 54 h-index	42399 92 g-index
324 all docs	324 docs citations	324 times ranked	7021 citing authors

#	Article	IF	Citations
1	â€œPanta Rheiâ€”Everything Flowsâ€: Change in hydrology and societyâ€”The IAHS Scientific Decade 2013â€“2022. Hydrological Sciences Journal, 2013, 58, 1256-1275.	2.6	569
2	A mathematical framework for studying rainfall intensity-duration-frequency relationships. Journal of Hydrology, 1998, 206, 118-135.	5.4	394
3	One decade of multi-objective calibration approaches in hydrological modelling: a review. Hydrological Sciences Journal, 2010, 55, 58-78.	2.6	326
4	Climate change, the Hurst phenomenon, and hydrological statistics. Hydrological Sciences Journal, 2003, 48, 3-24.	2.6	323
5	Battle of extreme value distributions: A global survey on extreme daily rainfall. Water Resources Research, 2013, 49, 187-201.	4.2	291
6	Flood fatalities in Africa: From diagnosis to mitigation. Geophysical Research Letters, 2010, 37, .	4.0	290
7	Statistical analysis of hydroclimatic time series: Uncertainty and insights. Water Resources Research, 2007, 43, .	4.2	236
8	The Hurst phenomenon and fractional Gaussian noise made easy. Hydrological Sciences Journal, 2002, 47, 573-595.	2.6	221
9	Modeling and mitigating natural hazards: Stationarity is immortal!. Water Resources Research, 2014, 50, 9748-9756.	4.2	208
10	Nonstationarity versus scaling in hydrology. Journal of Hydrology, 2006, 324, 239-254.	5.4	181
11	Statistics of extremes and estimation of extreme rainfall: I. Theoretical investigation / Statistiques de valeurs extÃªmes et estimation de prÃ©cipitations extÃªmes: I. Recherche thÃ©orique. Hydrological Sciences Journal, 2004, 49, .	2.6	169
12	Comparative evaluation of 1D and quasi-2D hydraulic models based on benchmark and real-world applications for uncertainty assessment in flood mapping. Journal of Hydrology, 2016, 534, 478-492.	5.4	169
13	Dryland hydrology in Mediterranean regionsâ€”a review. Hydrological Sciences Journal, 2007, 52, 1077-1087.	2.6	168
14	Negligent killing of scientific concepts: the stationarity case. Hydrological Sciences Journal, 2015, 60, 1174-1183.	2.6	167
15	How extreme is extreme? An assessment of daily rainfall distribution tails. Hydrology and Earth System Sciences, 2013, 17, 851-862.	4.9	164
16	Rainfall disaggregation using adjusting procedures on a Poisson cluster model. Journal of Hydrology, 2001, 246, 109-122.	5.4	157
17	Statistics of extremes and estimation of extreme rainfall: II. Empirical investigation of long rainfall records / Statistiques de valeurs extÃªmes et estimation de prÃ©cipitations extÃªmes: II. Recherche empirique sur de longues sÃ©ries de prÃ©cipitations. Hydrological Sciences Journal, 2004, 49, .	2.6	157
18	A blueprint for processâ€based modeling of uncertain hydrological systems. Water Resources Research, 2012, 48, .	4.2	153

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19	HESS Opinions "A random walk on water". Hydrology and Earth System Sciences, 2010, 14, 585-601.	4.9	151
20	Evaluation of the parameterization-simulation-optimization approach for the control of reservoir systems. Water Resources Research, 2003, 39, .	4.2	150
21	On the credibility of climate predictions. Hydrological Sciences Journal, 2008, 53, 671-684.	2.6	138
22	Hurst-Kolmogorov Dynamics and Uncertainty1. Journal of the American Water Resources Association, 2011, 47, 481-495.	2.4	133
23	A generalized mathematical framework for stochastic simulation and forecast of hydrologic time series. Water Resources Research, 2000, 36, 1519-1533.	4.2	131
24	Urban wastewater and stormwater technologies in ancient Greece. Water Research, 2005, 39, 210-220.	11.3	119
25	Entropy based derivation of probability distributions: A case study to daily rainfall. Advances in Water Resources, 2012, 45, 51-57.	3.8	108
26	Title is missing!. , 2000, 22, 29-48.		106
27	A comparison of local and aggregated climate model outputs with observed data. Hydrological Sciences Journal, 2010, 55, 1094-1110.	2.6	103
28	A probabilistic view of hershfield's method for estimating probable maximum precipitation. Water Resources Research, 1999, 35, 1313-1322.	4.2	95
29	Hydrology and change. Hydrological Sciences Journal, 2013, 58, 1177-1197.	2.6	94
30	Clausiusâ€“Clapeyron equation and saturation vapour pressure: simple theory reconciled with practice. European Journal of Physics, 2012, 33, 295-305.	0.6	92
31	Predictability of monthly temperature and precipitation using automatic time series forecasting methods. Acta Geophysica, 2018, 66, 807-831.	2.0	92
32	Climatic Variability Over Time Scales Spanning Nine Orders of Magnitude: Connecting Milankovitch Cycles with Hurstâ€“Kolmogorov Dynamics. Surveys in Geophysics, 2013, 34, 181-207.	4.6	90
33	Revisiting the global hydrological cycle: is it intensifying?. Hydrology and Earth System Sciences, 2020, 24, 3899-3932.	4.9	87
34	A scaling model of a storm hyetograph. Water Resources Research, 1993, 29, 2345-2361.	4.2	86
35	Urban Water Management in Ancient Greece: Legacies and Lessons. Journal of Water Resources Planning and Management - ASCE, 2008, 134, 45-54.	2.6	84
36	A parametric rule for planning and management of multiple-reservoir systems. Water Resources Research, 1997, 33, 2165-2177.	4.2	82

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37	Coupling stochastic models of different timescales. Water Resources Research, 2001, 37, 379-391.	4.2	82
38	Multivariate rainfall disaggregation at a fine timescale. Water Resources Research, 2003, 39, .	4.2	81
39	Medium-range flow prediction for the Nile: a comparison of stochastic and deterministic methods / PrÃ©vision du dÃ©bit du Nil Ã moyen terme: une comparaison de mÃ©thodes stochastiques et dÃ©terministes. Hydrological Sciences Journal, 2008, 53, 142-164.	2.6	80
40	Comparison of stochastic and machine learning methods for multi-step ahead forecasting of hydrological processes. Stochastic Environmental Research and Risk Assessment, 2019, 33, 481-514.	4.0	80
41	Climate, hydrology and freshwater: towards an interactive incorporation of hydrological experience into climate research. Hydrological Sciences Journal, 2009, 54, 394-405.	2.6	77
42	Uncertainty, entropy, scaling and hydrological stochastics. 1. Marginal distributional properties of hydrological processes and state scaling / Incertitude, entropie, effet d'Ã©chelle et propriÃ©tÃ©s stochastiques hydrologiques. 1. PropriÃ©tÃ©s distributionnelles marginales des processus hydrologiques et Ã©chelle d'Ã©tat. Hydrological Sciences Journal, 2005, 50, .	2.6	75
43	A Global-Scale Investigation of Stochastic Similarities in Marginal Distribution and Dependence Structure of Key Hydrological-Cycle Processes. Hydrology, 2021, 8, 59.	3.0	73
44	HESS Opinions: "Climate, hydrology, energy, water: recognizing uncertainty and seeking sustainability". Hydrology and Earth System Sciences, 2009, 13, 247-257.	4.9	71
45	A global survey on the seasonal variation of the marginal distribution of daily precipitation. Advances in Water Resources, 2016, 94, 131-145.	3.8	69
46	Climacogram versus autocovariance and power spectrum in stochastic modelling for Markovian and Hurstâ€“Kolmogorov processes. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1649-1669.	4.0	68
47	A stochastic disaggregation method for design storm and flood synthesis. Journal of Hydrology, 1994, 156, 193-225.	5.4	66
48	A multivariate stochastic model for the generation of synthetic time series at multiple time scales reproducing long-term persistence. Environmental Modelling and Software, 2014, 62, 139-152.	4.5	65
49	A review of land use, visibility and public perception of renewable energy in the context of landscape impact. Applied Energy, 2020, 276, 115367.	10.1	65
50	A probabilistic approach to the concept of Probable Maximum Precipitation. Advances in Geosciences, 0, 7, 51-54.	12.0	65
51	One hundred years of return period: Strengths and limitations. Water Resources Research, 2015, 51, 8570-8585.	4.2	61
52	Generic and parsimonious stochastic modelling for hydrology and beyond. Hydrological Sciences Journal, 2016, 61, 225-244.	2.6	61
53	Scale of water resources development and sustainability: small is beautiful, large is great. Hydrological Sciences Journal, 2011, 56, 553-575.	2.6	60
54	Simple Disaggregation by Accurate Adjusting Procedures. Water Resources Research, 1996, 32, 2105-2117.	4.2	59

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55	A rainfall disaggregation scheme for sub-hourly time scales: Coupling a Bartlett-Lewis based model with adjusting procedures. Journal of Hydrology, 2018, 556, 980-992.	5.4	58
56	A parsimonious regional parametric evapotranspiration model based on a simplification of the Penmanâ€“Monteith formula. Journal of Hydrology, 2015, 524, 708-717.	5.4	57
57	Deterministic chaos versus stochasticity in analysis and modeling of point rainfall series. Journal of Geophysical Research, 1996, 101, 26441-26451.	3.3	56
58	Stochastic synthesis approximating any process dependence and distribution. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1493-1515.	4.0	55
59	A decision support system for the management of the water resource system of Athens. Physics and Chemistry of the Earth, 2003, 28, 599-609.	2.9	54
60	A brief history of urban water supply in antiquity. Water Science and Technology: Water Supply, 2007, 7, 1-12.	2.1	54
61	Simultaneous estimation of the parameters of the Hurstâ€“Kolmogorov stochastic process. Stochastic Environmental Research and Risk Assessment, 2011, 25, 21-33.	4.0	53
62	Estimating the Uncertainty of Hydrological Predictions through Data-Driven Resampling Techniques. Journal of Hydrologic Engineering - ASCE, 2015, 20, .	1.9	53
63	Flood design recipes vs. reality: can predictions for ungauged basins be trusted?. Natural Hazards and Earth System Sciences, 2014, 14, 1417-1428.	3.6	52
64	Uncertainty Assessment of Future Hydroclimatic Predictions: A Comparison of Probabilistic and Scenario-Based Approaches. Journal of Hydrometeorology, 2007, 8, 261-281.	1.9	51
65	Scale-dependence of persistence in precipitationÂrecords. Nature Climate Change, 2016, 6, 399-401.	18.8	51
66	The scientific legacy of Harold Edwin Hurst (1880â€“1978). Hydrological Sciences Journal, 2016, 61, 1571-1590.	2.6	51
67	Probabilistic Hydrological Post-Processing at Scale: Why and How to Apply Machine-Learning Quantile Regression Algorithms. Water (Switzerland), 2019, 11, 2126.	2.7	51
68	A dynamic model for short-scale rainfall disaggregation. Hydrological Sciences Journal, 1990, 35, 303-322.	2.6	49
69	Uncertainty, entropy, scaling and hydrological stochastics. 2. Time dependence of hydrological processes and time scaling / Incertitude, entropie, effet d'Ã©chelle et propriÃ©tÃ©s stochastiques hydrologiques. 2. DÃ©pendance temporelle des processus hydrologiques et Ã©chelle temporelle. Hydrological Sciences Journal, 2005, 50, .	2.6	48
70	A quick gap filling of missing hydrometeorological data. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9290-9300.	3.3	46
71	Univariate Time Series Forecasting of Temperature and Precipitation with a Focus on Machine Learning Algorithms: a Multiple-Case Study from Greece. Water Resources Management, 2018, 32, 5207-5239.	3.9	46
72	Rainfall downscaling in time: theoretical and empirical comparison between multifractal and Hurst-Kolmogorov discrete random cascades. Hydrological Sciences Journal, 2012, 57, 1052-1066.	2.6	44

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73	A theoretically consistent stochastic cascade for temporal disaggregation of intermittent rainfall. Water Resources Research, 2017, 53, 4586-4605.	4.2	44
74	Just two moments! A cautionary note against use of high-order moments in multifractal models in hydrology. Hydrology and Earth System Sciences, 2014, 18, 243-255.	4.9	44
75	Calibration of a semi-distributed model for conjunctive simulation of surface and groundwater flows / Calage dâ€™un modÃ¨le semi-distribuÃ© pour la simulation conjointe dâ€™Ã©coulements superficiels et souterrains. Hydrological Sciences Journal, 2004, 49, .	2.6	42
76	A DECISION SUPPORT TOOL FOR THE MANAGEMENT OF MULTI-RESERVOIR SYSTEMS. Journal of the American Water Resources Association, 2002, 38, 945-958.	2.4	41
77	Holistic versus monomeric strategies for hydrological modelling of human-modified hydrosystems. Hydrology and Earth System Sciences, 2011, 15, 743-758.	4.9	41
78	Revisiting long-range dependence in annual precipitation. Journal of Hydrology, 2018, 556, 891-900.	5.4	40
79	On the quest for chaotic attractors in hydrological processes. Hydrological Sciences Journal, 2006, 51, 1065-1091.	2.6	39
80	Assessment of environmental flows under limited data availability: case study of the Acheloos River, Greece. Hydrological Sciences Journal, 2014, 59, 731-750.	2.6	39
81	Temporal and spatial variability of rainfall over Greece. Theoretical and Applied Climatology, 2017, 130, 217-232.	2.8	38
82	Editorialâ€”Quantifying the impact of hydrological studies. Hydrological Sciences Journal, 2007, 52, 3-17.	2.6	37
83	Hurstâ€“Kolmogorov dynamics as a result of extremal entropy production. Physica A: Statistical Mechanics and its Applications, 2011, 390, 1424-1432.	2.6	37
84	HYDROGEIOS: a semi-distributed GIS-based hydrological model for modified river basins. Hydrology and Earth System Sciences, 2008, 12, 989-1006.	4.9	36
85	Stochastic analysis and simulation of hydrometeorological processes associated with wind and solar energy. Renewable Energy, 2014, 63, 624-633.	8.9	36
86	A nonlinear disaggregation method with a reduced parameter set for simulation of hydrologic series. Water Resources Research, 1992, 28, 3175-3191.	4.2	34
87	An entropic-stochastic representation of rainfall intermittency: The origin of clustering and persistence. Water Resources Research, 2006, 42, .	4.2	34
88	Parametric Modelling of Potential Evapotranspiration: A Global Survey. Water (Switzerland), 2017, 9, 795.	2.7	34
89	Discussion of â€œGeneralized regression neural networks for evapotranspiration modellingâ€• Hydrological Sciences Journal, 2007, 52, 832-839.	2.6	32
90	On the parametric approach to unit hydrograph identification. Water Resources Management, 1989, 3, 107-128.	3.9	31

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91	On the long-range dependence properties of annual precipitation using a global network of instrumental measurements. Advances in Water Resources, 2018, 111, 301-318.	3.8	31
92	A groundwater-based, objective-heuristic parameter optimisation method for a precipitation-runoff model and its application to a semi-arid basin. Journal of Hydrology, 2004, 290, 243-258.	5.4	29
93	A stochastic methodology for generation of seasonal time series reproducing overyear scaling behaviour. Journal of Hydrology, 2006, 322, 138-154.	5.4	29
94	Entropy: From Thermodynamics to Hydrology. Entropy, 2014, 16, 1287-1314.	2.2	29
95	Hydrological modelling of temporally-varying catchments: facets of change and the value of information. Hydrological Sciences Journal, 2015, 60, 1438-1461.	2.6	29
96	A Bayesian statistical model for deriving the predictive distribution of hydroclimatic variables. Climate Dynamics, 2014, 42, 2867-2883.	3.8	28
97	One-step ahead forecasting of geophysical processes within a purely statistical framework. Geoscience Letters, 2018, 5, .	3.3	28
98	Simulation of Stochastic Processes Exhibiting Anyâ€Range Dependence and Arbitrary Marginal Distributions. Water Resources Research, 2018, 54, 9484-9513.	4.2	28
99	Can a simple stochastic model generate rich patterns of rainfall events?. Journal of Hydrology, 2011, 411, 279-289.	5.4	27
100	Timeâ€™s arrow in stochastic characterization and simulation of atmospheric and hydrological processes. Hydrological Sciences Journal, 2019, 64, 1013-1037.	2.6	26
101	A toy model of climatic variability with scaling behaviour. Journal of Hydrology, 2006, 322, 25-48.	5.4	25
102	A multicell karstic aquifer model with alternative flow equations. Journal of Hydrology, 2006, 325, 340-355.	5.4	25
103	Estimation of Actual Evapotranspiration by Remote Sensing: Application in Thessaly Plain, Greece. Sensors, 2008, 8, 3586-3600.	3.8	25
104	Ecosystem functioning is enveloped by hydrometeorological variability. Nature Ecology and Evolution, 2017, 1, 1263-1270.	7.8	25
105	Revealing hidden persistence in maximum rainfall records. Hydrological Sciences Journal, 2019, 64, 1673-1689.	2.6	25
106	Quantification of predictive uncertainty in hydrological modelling by harnessing the wisdom of the crowd: A large-sample experiment at monthly timescale. Advances in Water Resources, 2020, 136, 103470.	3.8	25
107	Projecting the future of rainfall extremes: Better classic than trendy. Journal of Hydrology, 2020, 588, 125005.	5.4	25
108	Optimal decomposition of covariance matrices for multivariate stochastic models in hydrology. Water Resources Research, 1999, 35, 1219-1229.	4.2	24

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109	A multi-model approach to the simulation of large scale karst flows. Journal of Hydrology, 2008, 348, 412-424.	5.4	24
110	Predictability in dice motion: how does it differ from hydro-meteorological processes?. Hydrological Sciences Journal, 2016, 61, 1611-1622.	2.6	24
111	Save hydrological observations! Return period estimation without data decimation. Journal of Hydrology, 2019, 571, 782-792.	5.4	24
112	Variability of global mean annual temperature is significantly influenced by the rhythm of ocean-atmosphere oscillations. Science of the Total Environment, 2020, 747, 141256.	8.0	24
113	Reconciling hydrology with engineering. Hydrology Research, 2014, 45, 2-22.	2.7	23
114	Harnessing wind and wave resources for a Hybrid Renewable Energy System in remote islands: a combined stochastic and deterministic approach. Energy Procedia, 2017, 125, 415-424.	1.8	23
115	Broken line smoothing: a simple method for interpolating and smoothing data series. Environmental Modelling and Software, 2000, 15, 139-149.	4.5	22
116	Two-dimensional Hurstâ€“Kolmogorov process and its application to rainfall fields. Journal of Hydrology, 2011, 398, 91-100.	5.4	22
117	Agricultural Land or Photovoltaic Parks? The Waterâ€“Energyâ€“Food Nexus and Land Development Perspectives in the Thessaly Plain, Greece. Sustainability, 2021, 13, 8935.	3.2	22
118	Bluecat: A Local Uncertainty Estimator for Deterministic Simulations and Predictions. Water Resources Research, 2022, 58, .	4.2	22
119	Logical and illogical exegeses of hydrometeorological phenomena in ancient Greece. Water Science and Technology: Water Supply, 2007, 7, 13-22.	2.1	21
120	Insights into the Oroville Dam 2017 Spillway Incident. Geosciences (Switzerland), 2019, 9, 37.	2.2	21
121	Scientific dialogue on climate: is it giving black eyes or opening closed eyes? Reply to â€œA black eye for theHydrological Sciences Journalâ€•by D. Huard. Hydrological Sciences Journal, 2011, 56, 1334-1339.	2.6	20
122	Knowable moments for high-order stochastic characterization and modelling of hydrological processes. Hydrological Sciences Journal, 2019, 64, 19-33.	2.6	20
123	On the prediction of persistent processes using the output of deterministic models. Hydrological Sciences Journal, 2017, 62, 2083-2102.	2.6	19
124	Entropy Production in Stochastics. Entropy, 2017, 19, 581.	2.2	19
125	Characterizing and Modeling Seasonality in Extreme Rainfall. Water Resources Research, 2018, 54, 6242-6258.	4.2	19
126	Evolution of Clustering Quantified by a Stochastic Methodâ€”Case Studies on Natural and Human Social Structures. Sustainability, 2020, 12, 7972.	3.2	19

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127	Entropy and Wealth. Entropy, 2021, 23, 1356.	2.2	19
128	Resolving conflicting objectives in the management of the Plastiras Lake: can we quantify beauty?. Hydrology and Earth System Sciences, 2005, 9, 507-515.	4.9	18
129	On the Exact Distribution of Correlated Extremes in Hydrology. Water Resources Research, 2019, 55, 10405-10423.	4.2	18
130	A large sample analysis of European rivers on seasonal river flow correlation and its physical drivers. Hydrology and Earth System Sciences, 2019, 23, 73-91.	4.9	18
131	Aesthetical Issues of Leonardo Da Vinciâ€™s and Pablo Picassoâ€™s Paintings with Stochastic Evaluation. Heritage, 2020, 3, 283-305.	1.9	18
132	On the representation of hyetograph characteristics by stochastic rainfall models. Journal of Hydrology, 2001, 251, 65-87.	5.4	17
133	A Parametric Model for Potential Evapotranspiration Estimation Based on a Simplified Formulation of the Penman- Monteith Equation. , 0, , .		17
134	Stochastic Evaluation of Landscapes Transformed by Renewable Energy Installations and Civil Works. Energies, 2019, 12, 2817.	3.1	17
135	Minimizing water cost in water resource management of Athens. Urban Water Journal, 2004, 1, 3-15.	2.1	16
136	Editorialâ€”The peer-review system: prospects and challenges. Hydrological Sciences Journal, 2005, 50, .	2.6	16
137	Atmospheric Temperature and CO2: Hen-Or-Egg Causality?. Sci, 2020, 2, 83.	3.0	16
138	From mythology to science: the development of scientific hydrological concepts in Greek antiquity and its relevance to modern hydrology. Hydrology and Earth System Sciences, 2021, 25, 2419-2444.	4.9	16
139	A stochastic simulation scheme for the long-term persistence, heavy-tailed and double periodic behavior of observational and reanalysis wind time-series. Applied Energy, 2021, 295, 116873.	10.1	16
140	Influence of atmospheric circulation types on space-time distribution of intense rainfall. Journal of Geophysical Research, 1996, 101, 26267-26276.	3.3	15
141	Climatic variability and the evolution of water technologies in Crete, Hellas. Water History, 2016, 8, 137-157.	1.3	15
142	From Fractals to Stochastics: Seeking Theoretical Consistency in Analysis of Geophysical Data. , 2018, , 237-278.		15
143	The Development of the Athens Water Supply System and Inferences for Optimizing the Scale of Water Infrastructures. Sustainability, 2019, 11, 2657.	3.2	15
144	Simple stochastic simulation of time irreversible and reversible processes. Hydrological Sciences Journal, 2020, 65, 536-551.	2.6	15

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145	Water Conflicts: From Ancient to Modern Times and in the Future. Sustainability, 2021, 13, 4237.	3.2	15
146	Toward a theoretical framework for integrated modeling of hydrological change. Wiley Interdisciplinary Reviews: Water, 2014, 1, 427-438.	6.5	14
147	Investigation on the stochastic nature of the solar radiation process. Energy Procedia, 2017, 125, 398-404.	1.8	14
148	Stochastic investigation of long-term persistence in two-dimensional images of rocks. Spatial Statistics, 2019, 29, 177-191.	1.9	14
149	Quantification of predictive uncertainty in hydrological modelling by harnessing the wisdom of the crowd: Methodology development and investigation using toy models. Advances in Water Resources, 2020, 136, 103471.	3.8	14
150	Rethinking Climate, Climate Change, and Their Relationship with Water. Water (Switzerland), 2021, 13, 849.	2.7	14
151	Reversing visibility analysis: Towards an accelerated a priori assessment of landscape impacts of renewable energy projects. Renewable and Sustainable Energy Reviews, 2022, 161, 112389.	16.4	14
152	An algorithm to construct Monte Carlo confidence intervals for an arbitrary function of probability distribution parameters. Computational Statistics, 2013, 28, 1501-1527.	1.5	13
153	Fitting Hydrological Models on Multiple Responses Using the Multiobjective Evolutionary Annealing-Simplex Approach. Water Science and Technology Library, 2009, , 259-273.	0.3	13
154	A STOCHASTIC INDEX METHOD FOR CALCULATING ANNUAL FLOW DURATION CURVES IN INTERMITTENT RIVERS. Irrigation and Drainage, 2013, 62, 41-49.	1.7	12
155	On the future of journal publications in hydrology. Hydrology Research, 2014, 45, 515-518.	2.7	12
156	Application of Stochastic Methods to Double Cyclostationary Processes for Hourly Wind Speed Simulation. Energy Procedia, 2015, 76, 406-411.	1.8	12
157	Evaluation of a Parametric Approach for Estimating Potential Evapotranspiration Across Different Climates. Agriculture and Agricultural Science Procedia, 2015, 4, 2-9.	0.6	12
158	Towards Generic Simulation for Demanding Stochastic Processes. Sci, 2021, 3, 34.	3.0	12
159	A stochastic model for the hourly solar radiation process for application in renewable resources management. Advances in Geosciences, 0, 45, 139-145.	12.0	12
160	Stochastic similarities between the microscale of turbulence and hydro-meteorological processes. Hydrological Sciences Journal, 2016, 61, 1623-1640.	2.6	11
161	Stratification: An Entropic View of Societyâ€™s Structure. World, 2021, 2, 153-174.	2.2	11
162	Bilinear surface smoothing for spatial interpolation with optional incorporation of an explanatory variable. Part 2: Application to synthesized and rainfall data. Hydrological Sciences Journal, 2016, 61, 527-540.	2.6	10

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163	Spatial Hurstâ€“Kolmogorov Clustering. Encyclopedia, 2021, 1, 1010-1025.	4.5	10
164	Water and Energy. , 2021, , 619-657.		10
165	Error analysis of a multi-cell groundwater model. Journal of Hydrology, 2010, 392, 22-30.	5.4	9
166	Joint Editorialâ€"On the future of journal publications in hydrology. Hydrological Sciences Journal, 2014, 59, 955-958.	2.6	9
167	Hydraulic Characteristics of the Drainage Systems of Ancient Hellenic Theatres: Case Study of the Theatre of Dionysus and Its Implications. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, .	1.0	9
168	Joint editorial: Fostering innovation and improving impact assessment for journal publications in hydrology. Water Resources Research, 2016, 52, 2399-2402.	4.2	9
169	The mode of the climacogram estimator for a Gaussian Hurst-Kolmogorov process. Journal of Hydroinformatics, 2020, 22, 160-169.	2.4	9
170	Optimal utilization of water resources for local communities in mainland Greece (case study of) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 46	1.9	9
171	Landscape Planning of Infrastructure through Focus Pointsâ€™ Clustering Analysis. Case Study: Plastiras Artificial Lake (Greece). Infrastructures, 2021, 6, 12.	2.8	9
172	Stochastic investigation of daily air temperature extremes from a global ground station network. Stochastic Environmental Research and Risk Assessment, 2021, 35, 1585-1603.	4.0	9
173	OpenHi.net: A Synergistically Built, National-Scale Infrastructure for Monitoring the Surface Waters of Greece. Water (Switzerland), 2021, 13, 2779.	2.7	9
174	Something old, something new, something red, something blue. Hydrological Sciences Journal, 2010, 55, 1-3.	2.6	8
175	Global Investigation of Double Periodicity Î¿f Hourly Wind Speed for Stochastic Simulation; Application in Greece. Energy Procedia, 2016, 97, 278-285.	1.8	8
176	Joint editorial â€“ Fostering innovation and improving impact assessment for journal publications in hydrology. Hydrological Sciences Journal, 0, , 1-4.	2.6	8
177	Field survey and modelling of irrigation water quality indices in a Mediterranean island catchment: a comparison between spatial interpolation methods. Hydrological Sciences Journal, 2018, 63, 1447-1467.	2.6	8
178	Generalized storage-reliability-yield framework for hydroelectric reservoirs. Hydrological Sciences Journal, 2021, 66, 580-599.	2.6	8
179	Multiscale Temporal Irreversibility of Streamflow and Its Stochastic Modelling. Hydrology, 2021, 8, 63.	3.0	8
180	On the future of journal publications in hydrology. Water Resources Research, 2014, 50, 2795-2797.	4.2	7

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181	Bilinear surface smoothing for spatial interpolation with optional incorporation of an explanatory variable. Part 1: Theory. Hydrological Sciences Journal, 2016, 61, 519-526.	2.6	7
182	Simulation of water-energy fluxes through small-scale reservoir systems under limited data availability. Energy Procedia, 2017, 125, 405-414.	1.8	7
183	Simulation of electricity demand in a remote island for optimal planning of a hybrid renewable energy system. Energy Procedia, 2017, 125, 435-442.	1.8	7
184	A Stochastic View of Varying Styles in Art Paintings. Heritage, 2021, 4, 333-348.	1.9	7
185	RASPOTIONâ€"A New Global PET Dataset by Means of Remote Monthly Temperature Data and Parametric Modelling. Hydrology, 2022, 9, 32.	3.0	7
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