

Demetris Koutsoyiannis

List of Publications by Year in Descending Order

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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	3D Scanning/Printing: A Technological Stride in Sculpture. <i>Technologies</i> , 2022 , 10, 9	2.4	1
241	Bluecat: A Local Uncertainty Estimator for Deterministic Simulations and Predictions. <i>Water Resources Research</i> , 2022 , 58,	5.4	6
240	Ombrian curves advanced to stochastic modeling of rainfall intensity 2022 , 261-284		1
239	RASPOTIONA New Global PET Dataset by Means of Remote Monthly Temperature Data and Parametric Modelling. <i>Hydrology</i> , 2022 , 9, 32	2.8	1
238	Wildfires vs. Sustainable Forest Partitioning. <i>Conservation</i> , 2022 , 2, 195-218		0
237	Reversing visibility analysis: Towards an accelerated a priori assessment of landscape impacts of renewable energy projects. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 161, 112389	16.2	2
236	Regional Ombrian Curves: Design Rainfall Estimation for a Spatially Diverse Rainfall Regime. <i>Hydrology</i> , 2022 , 9, 67	2.8	1
235	Climate Extrapolations in Hydrology: The Expanded Bluecat Methodology. <i>Hydrology</i> , 2022 , 9, 86	2.8	0
234	Stochastic Analysis of Hourly to Monthly Potential Evapotranspiration with a Focus on the Long-Range Dependence and Application with Reanalysis and Ground-Station Data. <i>Hydrology</i> , 2021 , 8, 177	2.8	1
233	Entropy and Wealth. <i>Entropy</i> , 2021 , 23,	2.8	7
232	OpenHi.net: A Synergistically Built, National-Scale Infrastructure for Monitoring the Surface Waters of Greece. <i>Water (Switzerland)</i> , 2021 , 13, 2779	3	1
231	Generalized storage-reliability-yield framework for hydroelectric reservoirs. <i>Hydrological Sciences Journal</i> , 2021 , 66, 580-599	3.5	6
230	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
229	Stratification: An Entropic View of Society's Structure. <i>World</i> , 2021 , 2, 153-174	1.7	5
228	Rethinking Climate, Climate Change, and Their Relationship with Water. <i>Water (Switzerland)</i> , 2021 , 13, 849	3	8
227	Stochastic investigation of daily air temperature extremes from a global ground station network. <i>Stochastic Environmental Research and Risk Assessment</i> , 2021 , 35, 1585	3.5	5
226	Multiscale Temporal Irreversibility of Streamflow and Its Stochastic Modelling. <i>Hydrology</i> , 2021 , 8, 63	2.8	4

225	Water Conflicts: From Ancient to Modern Times and in the Future. <i>Sustainability</i> , 2021 , 13, 4237	3.6	5
224	From mythology to science: the development of scientific hydrological concepts in Greek antiquity and its relevance to modern hydrology. <i>Hydrology and Earth System Sciences</i> , 2021 , 25, 2419-2444	5.5	4
223	Aesthetical Issues with Stochastic Evaluation 2021 , 173-193		2
222	Landscape Planning of Infrastructure through Focus Points[Clustering Analysis. Case Study: Plastiras Artificial Lake (Greece). <i>Infrastructures</i> , 2021 , 6, 12	2.6	7
221	A Stochastic View of Varying Styles in Art Paintings. <i>Heritage</i> , 2021 , 4, 333-348	1.6	3
220	Agricultural Land or Photovoltaic Parks? The WaterEnergyFood Nexus and Land Development Perspectives in the Thessaly Plain, Greece. <i>Sustainability</i> , 2021 , 13, 8935	3.6	5
219	A stochastic simulation scheme for the long-term persistence, heavy-tailed and double periodic behavior of observational and reanalysis wind time-series. <i>Applied Energy</i> , 2021 , 295, 116873	10.7	3
218	Spatial HurstKolmogorov Clustering. <i>Encyclopedia</i> , 2021 , 1, 1010-1025		4
217	Towards Generic Simulation for Demanding Stochastic Processes. <i>Sci</i> , 2021 , 3, 34	0.7	3
216	Water and Energy 2021 , 619-657		7
215	Atmospheric Temperature and CO2: Hen-Or-Egg Causality?. <i>Sci</i> , 2020 , 2, 83	0.7	6
214	Atmospheric Temperature and CO2: Hen-or-Egg Causality?. <i>Sci</i> , 2020 , 2, 77	0.7	1
213	Atmospheric Temperature and CO2: Hen-or-Egg Causality?. <i>Sci</i> , 2020 , 2, 81	0.7	
212	Optimal utilization of water resources for local communities in mainland Greece (case study of Karyes, Peloponnese). <i>Procedia Manufacturing</i> , 2020 , 44, 253-260	1.5	4
211	Projecting the future of rainfall extremes: Better classic than trendy. <i>Journal of Hydrology</i> , 2020 , 588, 125005	6	16
210	Aesthetical Issues of Leonardo Da Vinci and Pablo Picasso Paintings with Stochastic Evaluation. <i>Heritage</i> , 2020 , 3, 283-305	1.6	13
209	Rebuttal to review comments on “Revisiting global hydrological cycle: Is it intensifying?” 2020 ,		2
208	Revisiting the global hydrological cycle: is it intensifying?. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 3899-3932	5.5	41

207	Simple stochastic simulation of time irreversible and reversible processes. <i>Hydrological Sciences Journal</i> , 2020 , 65, 536-551	3.5	10
206	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, 103470-103477	4.7	15
205	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
204	Atmospheric Temperature and CO ₂ : Hen-or-Egg Causality?. <i>Sci</i> , 2020 , 2, 72	0.7	0
203	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
202	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
201	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
200	The mode of the climacogram estimator for a Gaussian Hurst-Kolmogorov process. <i>Journal of Hydroinformatics</i> , 2020 , 22, 160-169	2.6	5
199	Knowable moments for high-order stochastic characterization and modelling of hydrological processes. <i>Hydrological Sciences Journal</i> , 2019 , 64, 19-33	3.5	12
198	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
197	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
196	Insights into the Oroville Dam 2017 Spillway Incident. <i>Geosciences (Switzerland)</i> , 2019 , 9, 37	2.7	14
195	Time arrow in stochastic characterization and simulation of atmospheric and hydrological processes. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1013-1037	3.5	14
194	Revealing hidden persistence in maximum rainfall records. <i>Hydrological Sciences Journal</i> , 2019 , 64, 1673-1689	3.5	12
193	Stochastic Evaluation of Landscapes Transformed by Renewable Energy Installations and Civil Works. <i>Energies</i> , 2019 , 12, 2817	3.1	13
192	On the Exact Distribution of Correlated Extremes in Hydrology. <i>Water Resources Research</i> , 2019 , 55, 10405-10423	3.7	23
191	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
190	Save hydrological observations! Return period estimation without data decimation. <i>Journal of Hydrology</i> , 2019 , 571, 782-792	6	15

189	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
188	Stochastic investigation of long-term persistence in two-dimensional images of rocks. <i>Spatial Statistics</i> , 2019 , 29, 177-191	2.2	13
187	Floods in Greece 2019 , 238-256		4
186	Predictability of monthly temperature and precipitation using automatic time series forecasting methods. <i>Acta Geophysica</i> , 2018 , 66, 807-831	2.2	58
185	Stochastic synthesis approximating any process dependence and distribution. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018 , 32, 1493-1515	3.5	40
184	One-step ahead forecasting of geophysical processes within a purely statistical framework. <i>Geoscience Letters</i> , 2018 , 5,	3.5	26
183	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
182	Revisiting long-range dependence in annual precipitation. <i>Journal of Hydrology</i> , 2018 , 556, 891-900	6	31
181	From Fractals to Stochastics: Seeking Theoretical Consistency in Analysis of Geophysical Data 2018 , 237-278		11
180	Characterizing and Modeling Seasonality in Extreme Rainfall. <i>Water Resources Research</i> , 2018 , 54, 6242-6258	5.4	14
179	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
178	Invigorating hydrological research through journal publications. <i>Hydrological Sciences Journal</i> , 2018 , 63, 1113-1117	3.5	3
177	Joint Editorial Invigorating Hydrological Research through Journal Publications. <i>Journal of Hydrology and Hydromechanics</i> , 2018 , 66, 257-260	2.1	1
176	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
175	Joint editorial: Invigorating hydrological research through journal publications. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 5735-5739	5.5	2
174	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
173	Invigorating Hydrological Research through Journal Publications. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1713-1719	3.7	
172	Simulation of Stochastic Processes Exhibiting Any-Range Dependence and Arbitrary Marginal Distributions. <i>Water Resources Research</i> , 2018 , 54, 9484-9513	5.4	24

171	Joint Editorial: Invigorating Hydrological Research through Journal Publications. <i>Vadose Zone Journal</i> , 2018 , 17, 180001ed	2.7	
170	A theoretically consistent stochastic cascade for temporal disaggregation of intermittent rainfall. <i>Water Resources Research</i> , 2017 , 53, 4586-4605	5.4	31
169	Energy, variability and weather finance engineering. <i>Energy Procedia</i> , 2017 , 125, 389-397	2.3	3
168	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
167	Creating the electric energy mix in a non-connected island. <i>Energy Procedia</i> , 2017 , 125, 425-434	2.3	4
166	Investigation on the stochastic nature of the solar radiation process. <i>Energy Procedia</i> , 2017 , 125, 398-404.	2.3	5
165	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
164	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
163	Ecosystem functioning is enveloped by hydrometeorological variability. <i>Nature Ecology and Evolution</i> , 2017 , 1, 1263-1270	12.3	24
162	On the prediction of persistent processes using the output of deterministic models. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2083-2102	3.5	17
161	Temporal and spatial variability of rainfall over Greece. <i>Theoretical and Applied Climatology</i> , 2017 , 130, 217-232	3	31
160	Parametric Modelling of Potential Evapotranspiration: A Global Survey. <i>Water (Switzerland)</i> , 2017 , 9, 795	3	27
159	Entropy Production in Stochastics. <i>Entropy</i> , 2017 , 19, 581	2.8	15
158	Predictability in dice motion: how does it differ from hydro-meteorological processes?. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1611-1622	3.5	16
157	Joint Editorial: Fostering Innovation and Improving Impact Assessment for Journal Publications in Hydrology. <i>Vadose Zone Journal</i> , 2016 , 15, vzj2016.01.0002ed	2.7	1
156	Joint editorial: Fostering innovation and improving impact assessment for journal publications in hydrology. <i>Hydrological Sciences Journal</i> , 2016 , 1-4	3.5	8
155	Generic and parsimonious stochastic modelling for hydrology and beyond. <i>Hydrological Sciences Journal</i> , 2016 , 61, 225-244	3.5	51
154	Scale-dependence of persistence in precipitation records. <i>Nature Climate Change</i> , 2016 , 6, 399-401	21.4	40

153	The scientific legacy of Harold Edwin Hurst (1880-1978). <i>Hydrological Sciences Journal</i> , 2016 , 61, 1571-1590	3.5	43
152	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
151	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
150	Stochastic similarities between the microscale of turbulence and hydro-meteorological processes. <i>Hydrological Sciences Journal</i> , 2016 , 61, 1623-1640	3.5	10
149	Joint Editorial: Fostering innovation and improving impact assessment for journal publications in hydrology. <i>Hydrology and Earth System Sciences</i> , 2016 , 20, 1081-1084	5.5	2
148	Global Investigation of Double Periodicity of Hourly Wind Speed for Stochastic Simulation; Application in Greece. <i>Energy Procedia</i> , 2016 , 97, 278-285	2.3	7
147	Bilinear surface smoothing for spatial interpolation with optional incorporation of an explanatory variable. Part 1: Theory. <i>Hydrological Sciences Journal</i> , 2016 , 61, 519-526	3.5	5
146	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
145	Climatic variability and the evolution of water technologies in Crete, Hellas. <i>Water History</i> , 2016 , 8, 137-157	3.5	10
144	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
143	Negligent killing of scientific concepts: the stationarity case. <i>Hydrological Sciences Journal</i> , 2015 , 60, 1174-1183	3.5	123
142	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
141	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
140	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
139	Estimating the Uncertainty of Hydrological Predictions through Data-Driven Resampling Techniques. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20,	1.8	43
138	Application of Stochastic Methods to Double Cyclostationary Processes for Hourly Wind Speed Simulation. <i>Energy Procedia</i> , 2015 , 76, 406-411	2.3	10
137	One hundred years of return period: Strengths and limitations. <i>Water Resources Research</i> , 2015 , 51, 8570-8585	5.4	51
136	Evaluation of a Parametric Approach for Estimating Potential Evapotranspiration Across Different Climates. <i>Agriculture and Agricultural Science Procedia</i> , 2015 , 4, 2-9		8

135	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
134	On the future of journal publications in hydrology. <i>Water Resources Research</i> , 2014 , 50, 2795-2797	5.4	5
133	Stochastic analysis and simulation of hydrometeorological processes associated with wind and solar energy. <i>Renewable Energy</i> , 2014 , 63, 624-633	8.1	27
132	Toward a theoretical framework for integrated modeling of hydrological change. <i>Wiley Interdisciplinary Reviews: Water</i> , 2014 , 1, 427-438	5.7	11
131	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
130	A quick gap filling of missing hydrometeorological data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 9290-9300	4.4	29
129	On the future of journal publications in hydrology 2014 , 45, 515-518		7
128	Reconciling hydrology with engineering 2014 , 45, 2-22		19
127	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
126	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
125	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
124	Joint Editorial "On the future of journal publications in hydrology". <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 2433-2435	5.5	2
123	Social vs scientific perception of change in hydrology and climate Reply to the Discussion on the Opinion Paper "Hydrology and change" by Arie Ben-Zvi. <i>Hydrological Sciences Journal</i> , 2014 , 59, 1625-1626	3.5	1
122	Modeling and mitigating natural hazards: Stationarity is immortal!. <i>Water Resources Research</i> , 2014 , 50, 9748-9756	5.4	161
121	Entropy: From Thermodynamics to Hydrology. <i>Entropy</i> , 2014 , 16, 1287-1314	2.8	23
120	Joint Editorial "On the future of journal publications in hydrology. <i>Hydrological Sciences Journal</i> , 2014 , 59, 955-958	3.5	5
119	A Bayesian statistical model for deriving the predictive distribution of hydroclimatic variables. <i>Climate Dynamics</i> , 2014 , 42, 2867-2883	4.2	21
118	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

117	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
116	Physics of uncertainty, the Gibbs paradox and indistinguishable particles. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2013 , 44, 480-489	1	4
115	openmeteo.org: A Web Service for the Dissemination of Free Meteorological Data. <i>Springer Atmospheric Sciences</i> , 2013 , 203-208	0.7	
114	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
113	Battle of extreme value distributions: A global survey on extreme daily rainfall. <i>Water Resources Research</i> , 2013 , 49, 187-201	5.4	206
112	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
111	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
110	Hydrology and change. <i>Hydrological Sciences Journal</i> , 2013 , 58, 1177-1197	3.5	77
109	Hydrometeorological network for flood monitoring and modeling 2013 ,		3
108	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
107	A Parametric Model for Potential Evapotranspiration Estimation Based on a Simplified Formulation of the Penman- Monteith Equation 2013 ,		13
106	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
105	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
104	A blueprint for process-based modeling of uncertain hydrological systems. <i>Water Resources Research</i> , 2012 , 48,	5.4	129
103	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
102	Reply to "Comment on "Clausius"lapeyron equation and saturation vapour pressure: simple theory reconciled with practice" <i>European Journal of Physics</i> , 2012 , 33, L13-L14	0.8	2
101	Clausius"lapeyron equation and saturation vapour pressure: simple theory reconciled with practice. <i>European Journal of Physics</i> , 2012 , 33, 295-305	0.8	53
100	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

99	Hurst-Kolmogorov Dynamics and Uncertainty1. <i>Journal of the American Water Resources Association</i> , 2011 , 47, 481-495	2.1	122
98	Two-dimensional Hurst-Kolmogorov process and its application to rainfall fields. <i>Journal of Hydrology</i> , 2011 , 398, 91-100	6	18
97	Can a simple stochastic model generate rich patterns of rainfall events?. <i>Journal of Hydrology</i> , 2011 , 411, 279-289	6	27
96	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
95	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
94	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
93	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
92	HESS Opinions "A random walk on water";. <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 585-601	5.5	131
91	One decade of multi-objective calibration approaches in hydrological modelling: a review. <i>Hydrological Sciences Journal</i> , 2010 , 55, 58-78	3.5	269
90	A comparison of local and aggregated climate model outputs with observed data. <i>Hydrological Sciences Journal</i> , 2010 , 55, 1094-1110	3.5	88
89	Flood fatalities in Africa: From diagnosis to mitigation. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	225
88	Error analysis of a multi-cell groundwater model. <i>Journal of Hydrology</i> , 2010 , 392, 22-30	6	6
87	A Web Based Information System for the Inspection of the Hydraulic Works in Ancient Greece 2010 , 103-114		2
86	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
85	Editorial Recycling paper vs recycling papers. <i>Hydrological Sciences Journal</i> , 2009 , 54, 3-4	3.5	1
84	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
83	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
82	A multi-model approach to the simulation of large scale karst flows. <i>Journal of Hydrology</i> , 2008 , 348, 412-424	6	18

81	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
80	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
79	On the credibility of climate predictions. <i>Hydrological Sciences Journal</i> , 2008 , 53, 671-684	3.5	117
78	A power-law approximation of the turbulent flow friction factor useful for the design and simulation of urban water networks. <i>Urban Water Journal</i> , 2008 , 5, 107-115	2.3	4
77	Reply to discussions of Editorial¶Quantifying the impact of hydrological studies¶ <i>Hydrological Sciences Journal</i> , 2008 , 53, 495-499	3.5	1
76	Estimation of Actual Evapotranspiration by Remote Sensing: Application in Thessaly Plain, Greece. <i>Sensors</i> , 2008 , 8, 3586-3600	3.8	18
75	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
74	Editorial¶Quantifying the impact of hydrological studies. <i>Hydrological Sciences Journal</i> , 2007 , 52, 3-17	3.5	27
73	Statistical analysis of hydroclimatic time series: Uncertainty and insights. <i>Water Resources Research</i> , 2007 , 43,	5.4	210
72	Dryland hydrology in Mediterranean regions¶ review. <i>Hydrological Sciences Journal</i> , 2007 , 52, 1077-1087	3.5	133
71	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
70	A brief history of urban water supply in antiquity. <i>Water Science and Technology: Water Supply</i> , 2007 , 7, 1-12	1.4	37
69	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
68	Discussion of ¶Generalized regression neural networks for evapotranspiration modelling¶ <i>Hydrological Sciences Journal</i> , 2007 , 52, 832-839	3.5	25
67	A Critical Review of Probability of Extreme Rainfall 2007 , 139-166		4
66	Ancient Greece 2007 , 31-38		
65	Ancient Greece 2007 , 28-30		
64	Ancient Greece 2007 , 24-27		

63	Editorial Welcome, Demetris, as HSJ Deputy Editor. <i>Hydrological Sciences Journal</i> , 2006 , 51, 987-988	3.5	
62	An entropic-stochastic representation of rainfall intermittency: The origin of clustering and persistence. <i>Water Resources Research</i> , 2006 , 42,	5.4	29
61	Reply to discussions of Editorial The peer review system: prospects and challenges <i>Hydrological Sciences Journal</i> , 2006 , 51, 357-363	3.5	5
60	On the quest for chaotic attractors in hydrological processes. <i>Hydrological Sciences Journal</i> , 2006 , 51, 1065-1091	3.5	33
59	A toy model of climatic variability with scaling behaviour. <i>Journal of Hydrology</i> , 2006 , 322, 25-48	6	22
58	A stochastic methodology for generation of seasonal time series reproducing overyear scaling behaviour. <i>Journal of Hydrology</i> , 2006 , 322, 138-154	6	24
57	Nonstationarity versus scaling in hydrology. <i>Journal of Hydrology</i> , 2006 , 324, 239-254	6	153
56	A multicell karstic aquifer model with alternative flow equations. <i>Journal of Hydrology</i> , 2006 , 325, 340-355		22
55	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
54	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
53	Editorial The peer-review system: prospects and challenges. <i>Hydrological Sciences Journal</i> , 2005 , 50,	3.5	13
52	Urban wastewater and stormwater technologies in ancient Greece. <i>Water Research</i> , 2005 , 39, 210-20	12.5	87
51	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
50	Minimizing water cost in water resource management of Athens. <i>Urban Water Journal</i> , 2004 , 1, 3-15	2.3	14
49	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
48	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
47	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
46	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

45	Multivariate rainfall disaggregation at a fine timescale. <i>Water Resources Research</i> , 2003 , 39,	5.4	65
44	Evaluation of the parameterization-simulation-optimization approach for the control of reservoir systems. <i>Water Resources Research</i> , 2003 , 39,	5.4	125
43	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
42	Climate change, the Hurst phenomenon, and hydrological statistics. <i>Hydrological Sciences Journal</i> , 2003 , 48, 3-24	3.5	271
41	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
40	The Hurst phenomenon and fractional Gaussian noise made easy. <i>Hydrological Sciences Journal</i> , 2002 , 47, 573-595	3.5	190
39	Coupling stochastic models of different timescales. <i>Water Resources Research</i> , 2001 , 37, 379-391	5.4	69
38	Rainfall disaggregation using adjusting procedures on a Poisson cluster model. <i>Journal of Hydrology</i> , 2001 , 246, 109-122	6	129
37	On the representation of hyetograph characteristics by stochastic rainfall models. <i>Journal of Hydrology</i> , 2001 , 251, 65-87	6	13
36	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
35	Analysis of a Long Record of Annual Maximum Rainfall in Athens, Greece, and Design Rainfall Inferences 2000 , 22, 29-48		87
34	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
33	A Comprehensive System for the Exploration and Analysis of Hydrological Data 1999 , 13, 269-302		5
32	Optimal decomposition of covariance matrices for multivariate stochastic models in hydrology. <i>Water Resources Research</i> , 1999 , 35, 1219-1229	5.4	22
31	A probabilistic view of hershfield's method for estimating probable maximum precipitation. <i>Water Resources Research</i> , 1999 , 35, 1313-1322	5.4	79
30	A mathematical framework for studying rainfall intensity-duration-frequency relationships. <i>Journal of Hydrology</i> , 1998 , 206, 118-135	6	292
29	A parametric rule for planning and management of multiple-reservoir systems. <i>Water Resources Research</i> , 1997 , 33, 2165-2177	5.4	70
28	Simple Disaggregation by Accurate Adjusting Procedures. <i>Water Resources Research</i> , 1996 , 32, 2105-2113	5.4	55

27	Influence of atmospheric circulation types on space-time distribution of intense rainfall. <i>Journal of Geophysical Research</i> , 1996 , 101, 26267-26276		14
26	Deterministic chaos versus stochasticity in analysis and modeling of point rainfall series. <i>Journal of Geophysical Research</i> , 1996 , 101, 26441-26451		47
25	A stochastic disaggregation method for design storm and flood synthesis. <i>Journal of Hydrology</i> , 1994 , 156, 193-225	6	56
24	A scaling model of a storm hyetograph. <i>Water Resources Research</i> , 1993 , 29, 2345-2361	5-4	76
23	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
22	Modeling the Athens water supply system. <i>Water Resources Management</i> , 1992 , 6, 57-67	3-7	4
21	A dynamic model for short-scale rainfall disaggregation. <i>Hydrological Sciences Journal</i> , 1990 , 35, 303-322,5		42
20	On the parametric approach to unit hydrograph identification. <i>Water Resources Management</i> , 1989 , 3, 107-128	3-7	29
19	Hydronomeas 2020: Open-source decision support system for water resources management		2
18	Error Evolution in Multi-Step Ahead Streamflow Forecasting for the Operation of Hydropower Reservoirs		5
17	Comparison of Stochastic and Machine Learning Methods for Multi-Step Ahead Forecasting of Hydrological Processes		5
16	A stochastic model for the hourly solar radiation process for application in renewable resources management. <i>Advances in Geosciences</i> ,45, 139-145		9
15	A probabilistic approach to the concept of Probable Maximum Precipitation. <i>Advances in Geosciences</i> ,7, 51-54		56
14	Revisiting global hydrological cycle: Is it intensifying?		2
13	Just two moments! A cautionary note against use of high-order moments in multifractal models in hydrology		2
12	<i>HESSE Opinions&/i> "Climate, hydrology, energy, water: recognizing uncertainty and seeking sustainability"		1
11	<i>HESSE Opinions&/i> "A random walk on water"		8
10	How extreme is extreme? An assessment of daily rainfall distribution tails		3

9	Flood design recipes vs. reality: can predictions for ungauged basins be trusted?	3
8	HYDROGEIOS: A semi-distributed GIS-based hydrological model for disturbed river basins	1
7	Comparison of Stochastic and Machine Learning Methods for Multi-Step Ahead Forecasting of Hydrological Processes	2
6	A preliminary stochastic analysis of the uncertainty of natural processes related to renewable energy resources. <i>Advances in Geosciences</i> ,45, 193-199	0
5	Joint editorial: Invigorating hydrological research through journal publications. <i>Proceedings of the International Association of Hydrological Sciences</i> ,380, 3-8	
4	Hydrologic Persistence and The Hurst Phenomenon210	10
3	Reliability Concepts in Reservoir Design259	12
2	Stochastic Simulation of Hydrosystems421	5
1	Landscape design in infrastructure projects - is it an extravagance? A cost-benefit investigation of practices in dams. <i>Landscape Research</i> ,1-18	1.4 2