

Athanasios G Loukas

List of Publications by Year in descending order

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66
papers

1,312
citations

394286

19
h-index

395590

33
g-index

69
all docs

69
docs citations

69
times ranked

1504
citing authors

#	ARTICLE	IF	CITATIONS
1	A Water Balance Derived Drought Index for Pinios River Basin, Greece. <i>Water Resources Management</i> , 2011, 25, 1087-1101.	1.9	120
2	Severity-duration-frequency analysis of droughts and wet periods in Greece. <i>Hydrological Sciences Journal</i> , 2000, 45, 751-769.	1.2	100
3	Potential climate change impacts on flood producing mechanisms in southern British Columbia, Canada using the CGCMA1 simulation results. <i>Journal of Hydrology</i> , 2002, 259, 163-188.	2.3	93
4	An Operational Method for Flood Directive Implementation in Ungauged Urban Areas. <i>Hydrology</i> , 2018, 5, 24.	1.3	70
5	Hydrological response to meteorological drought using the Palmer drought indices in Thessaly, Greece. <i>Desalination</i> , 2009, 237, 3-21.	4.0	68
6	Probabilistic flood inundation mapping at ungauged streams due to roughness coefficient uncertainty in hydraulic modelling. <i>Advances in Geosciences</i> , 0, 44, 23-34.	12.0	58
7	Spatial variability of reference evapotranspiration in Greece. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 1031-1038.	1.2	53
8	Physically-based estimation of lag time for forested mountainous watersheds. <i>Hydrological Sciences Journal</i> , 1996, 41, 1-19.	1.2	42
9	Climate change, land cover dynamics and ecohydrology of the Nile River Basin. <i>Hydrological Processes</i> , 2009, 23, 3651-3652.	1.1	42
10	Flood frequency estimation by a derived distribution procedure. <i>Journal of Hydrology</i> , 2002, 255, 69-89.	2.3	38
11	An Integrated Multicriteria Analysis Tool for Evaluating Water Resource Management Strategies. <i>Water (Switzerland)</i> , 2018, 10, 1795.	1.2	37
12	Spatial and temporal distribution of storm precipitation in southwestern British Columbia. <i>Journal of Hydrology</i> , 1996, 174, 37-56.	2.3	36
13	Effect of Climate Change on Hydrologic Regime of Two Climatically Different Watersheds. <i>Journal of Hydrologic Engineering - ASCE</i> , 1996, 1, 77-87.	0.8	34
14	Basin-wide actual evapotranspiration estimation using NOAA/AVHRR satellite data. <i>Physics and Chemistry of the Earth</i> , 2005, 30, 69-79.	1.2	34
15	Inter-comparison of statistical downscaling methods for projection of extreme flow indices across Europe. <i>Journal of Hydrology</i> , 2016, 541, 1273-1286.	2.3	33
16	The Effect of Climate Change on Floods in British Columbia. <i>Hydrology Research</i> , 1999, 30, 231-256.	1.1	30
17	Flood Inundation Mapping at Ungauged Basins Using Coupled Hydrometeorological-Hydraulic Modelling: The Catastrophic Case of the 2006 Flash Flood in Volos City, Greece. <i>Water (Switzerland)</i> , 2019, 11, 2328.	1.2	26
18	Quantitative Classification of Desertification Severity for Degraded Aquifer Based on Remotely Sensed Drought Assessment. <i>Hydrology</i> , 2021, 8, 47.	1.3	24

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19	Groundwater Nitrate Contamination Integrated Modeling for Climate and Water Resources Scenarios: The Case of Lake Karla Over-Exploited Aquifer. <i>Water (Switzerland)</i> , 2019, 11, 1201.	1.2	23
20	A physically based stochastic-deterministic procedure for the estimation of flood frequency. <i>Water Resources Management</i> , 1996, 10, 415-437.	1.9	22
21	Estimating Current and Future Rainfall Erosivity in Greece Using Regional Climate Models and Spatial Quantile Regression Forests. <i>Water (Switzerland)</i> , 2020, 12, 687.	1.2	19
22	Analysis of streamflow droughts using fixed and variable thresholds. <i>Hydrological Processes</i> , 2019, 33, 414-431.	1.1	18
23	Hydroclimatic Variability of Regional Droughts in Greece Using the Palmer Moisture Anomaly Index. <i>Hydrology Research</i> , 2002, 33, 425-442.	1.1	17
24	Joint modelling of flood peaks and volumes: A copula application for the Danube River. <i>Journal of Hydrology and Hydromechanics</i> , 2016, 64, 382-392.	0.7	17
25	Mapping Evapotranspiration Coefficients in a Temperate Maritime Climate Using the METRIC Model and Landsat TM. <i>Water (Switzerland)</i> , 2017, 9, 23.	1.2	15
26	An Integrated Modeling System for the Evaluation of Water Resources in Coastal Agricultural Watersheds: Application in Almyros Basin, Thessaly, Greece. <i>Water (Switzerland)</i> , 2021, 13, 268.	1.2	15
27	A Flood Inundation Modeling Approach for Urban and Rural Areas in Lake and Large-Scale River Basins. <i>Water (Switzerland)</i> , 2021, 13, 1264.	1.2	14
28	Climate Change Implications on Flood Response of a Mountainous Watershed. <i>Water, Air and Soil Pollution</i> , 2004, 4, 331-347.	0.8	13
29	Combining hydro-economic and water quality modeling for optimal management of a degraded watershed. <i>Journal of Hydroinformatics</i> , 2019, 21, 1118-1129.	1.1	13
30	Hydrologic behaviour of a mountainous watershed. <i>Canadian Journal of Civil Engineering</i> , 1993, 20, 1-8.	0.7	10
31	Theoretical Perspectives and Empirical Facts on Water Sector Privatization: The Greek Case Against European and Global Trends. <i>Water Resources Management</i> , 2011, 25, 1699-1719.	1.9	10
32	The effect of riverine terrain spatial resolution on flood modeling and mapping. <i>Proceedings of SPIE</i> , 2013, , .	0.8	10
33	The role of agrometeorological and agrohydrological indices in the phenology of wheat in central Greece. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 1019-1023.	1.2	9
34	Assessment of NDVI and agrometeorological indices for major crops in central Greece. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 1025-1029.	1.2	9
35	Integrated hydrological modelling of surface water and groundwater under climate change: the case of the Mygdonia basin in Greece. <i>Journal of Water and Climate Change</i> , 2020, 11, 1429-1454.	1.2	9
36	Investigating sea-level effects on flash flood hydrograph and inundation forecasting. <i>Hydrological Processes</i> , 2021, 35, e14151.	1.1	9

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37	Universal kriging of hail impact energy in Greece. Physics and Chemistry of the Earth, 2002, 27, 1039-1043.	1.2	8
38	The Use of Stochastic Models for Short-Term Prediction of Water Parameters of the Thesaurus Dam, River Nestos, Greece. Proceedings (mdpi), 2018, 2, .	0.2	8
39	Robustness Spatiotemporal Clustering and Trend Detection of Rainfall Erosivity Density in Greece. Water (Switzerland), 2019, 11, 1050.	1.2	8
40	PRECIPITATION DISTRIBUTION IN COASTAL BRITISH COLUMBIA. Journal of the American Water Resources Association, 1994, 30, 705-727.	1.0	7
41	24-H Design Storm for Coastal British Columbia. Journal of Hydraulic Engineering, 1995, 121, 889-899.	0.7	7
42	Hybrid Methodology for the Estimation of Crop Coefficients Based on Satellite Imagery and Ground-Based Measurements. Water (Switzerland), 2019, 11, 1364.	1.2	7
43	Integration of a Hydrological Model within a Geographical Information System: Application to a Forest Watershed. Water (Switzerland), 2014, 6, 500-516.	1.2	6
44	Bivariate Flood Frequency Analysis Using Copulas. Proceedings (mdpi), 2018, 2, 635.	0.2	6
45	Impacts of irrigation and nitrate fertilization scenarios on groundwater resources quantity and quality of the Almyros Basin, Greece. Water Science and Technology: Water Supply, 2021, 21, 2748-2759.	1.0	6
46	Detection of future changes in trends and scaling exponents in extreme short-term rainfall at selected stations in Slovakia. Contributions To Geophysics and Geodesy, 2018, 48, 207-230.	0.2	6
47	Estimation of crop water requirements using remote sensing for operational water resources management. , 2015, , .		5
48	Stochastic nitrate simulation under hydraulic conductivity uncertainty of an agricultural basin aquifer at Eastern Thessaly, Greece. Environmental Science and Pollution Research, 2021, 28, 65700-65715.	2.7	5
49	Detection of future changes in seasonality in extreme short-term rainfall in selected stations of Slovakia. Contributions To Geophysics and Geodesy, 2017, 47, 133-148.	0.2	5
50	Remote Sensing Methodology for Roughness Estimation in Ungauged Streams for Different Hydraulic/Hydrodynamic Modeling Approaches. Water (Switzerland), 2022, 14, 1076.	1.2	5
51	Integrated Modeling of Agronomic and Water Resources Management Scenarios in a Degraded Coastal Watershed (Almyros Basin, Magnesia, Greece). Water (Switzerland), 2022, 14, 1086.	1.2	5
52	Temporal and Elevation Trend Detection of Rainfall Erosivity Density in Greece. Proceedings (mdpi), 2019, 7, 10.	0.2	4
53	Support Vector Machines-Kernel Algorithms for the Estimation of the Water Supply in Cyprus. Lecture Notes in Computer Science, 2010, , 21-29.	1.0	4
54	A hybrid downscaling approach for the estimation of climate change effects on droughts using a geo-information tool. Case study: Thessaly, Central Greece. Open Geosciences, 2016, 8, 728-746.	0.6	3

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55	Modeling Flow and Nitrate Transport in an Over-Exploited Aquifer of Rural Basin Using an Integrated System: The Case of Lake Karla Watershed. Proceedings (mdpi), 2018, 2, 667.	0.2	3
56	Hydrological and Hydro-Meteorological Extremes and Related Risk and Uncertainty. Water (Switzerland), 2021, 13, 377.	1.2	3
57	COMPARISON OF SIX EXTREME FLOOD ESTIMATION TECHNIQUES FOR UNGAUGED WATERSHEDS IN COASTAL BRITISH COLUMBIA. Canadian Water Resources Journal, 1995, 20, 17-30.	0.5	2
58	Water balance of forested mountainous watersheds using satellite-derived actual evapotranspiration. , 2004, 5232, 456.		2
59	Observation Methods and Model Approaches for Estimating Regional Crop Evapotranspiration and Yield in Agro-Landscapes: A Literature Review. Innovations in Landscape Research, 2020, , 79-100.	0.2	2
60	A Collaborative Approach to Enviromental Modeling. , 2014, , .		1
61	Flood Risk Management Methodology for Lakes and Adjacent Areas: The Lake Pamvotida Paradigm. Proceedings (mdpi), 2019, 7, 21.	0.2	1
62	Analysis and evaluation of the operational status of municipal wastewater treatment plants in the Dodecanese prefecture in Greece. Water Policy, 2011, 13, 287-297.	0.7	1
63	Preface: Recent advances in drought and water scarcity monitoring, modelling, and forecasting. Natural Hazards and Earth System Sciences, 2022, 22, 1857-1862.	1.5	1
64	Collaborative Migration, Coupling and Simulation of Water Resources Models through OpenMI. , 2010, , .		0
65	A Regional Sensitivity Analysis of a Multi-Variable Hydrological Model: A Case Study of a Greek Catchment. Proceedings (mdpi), 2018, 7, .	0.2	0
66	Feature Papers of Water Resources Management, Policy and Governance. Water (Switzerland), 2022, 14, 2191.	1.2	0