Mike Spiliotis

List of Publications by Year
in descending order

44 papers	600 citations	686830 13 h-index	642321 23 g-index
45 all docs	45 docs citations	45 times ranked	593 citing authors

#	Article	IF	Citations
1	A fuzzy multicriteria categorization of the GALDIT method to assess seawater intrusion vulnerability of coastal aquifers. Science of the Total Environment, 2018, 621, 524-534.	3.9	67
2	Drought Severity Assessment Based on Bivariate Probability Analysis. Water Resources Management, 2011, 25, 357-371.	1.9	56
3	Water Distribution System Reliability Based on Minimum Cut â€" Set Approach and the Hydraulic Availability. Water Resources Management, 2013, 27, 1821-1836.	1.9	49
4	Planning Against Long Term Water Scarcity: A Fuzzy Multicriteria Approach. Water Resources Management, 2011, 25, 1103-1129.	1.9	43
5	Optimization of Hedging Rules for Reservoir Operation During Droughts Based on Particle Swarm Optimization. Water Resources Management, 2016, 30, 5759-5778.	1.9	41
6	Water distribution network analysis under fuzzy demands. Civil Engineering and Environmental Systems, 2012, 29, 107-122.	0.4	32
7	Assessing the water potential of karstic saline springs by applying a fuzzy approach: The case of Almyros (Heraklion, Crete). Desalination, 2009, 237, 54-64.	4.0	28
8	Cropping pattern planning under water supply from multiple sources. Irrigation and Drainage Systems, 2006, 20, 57-68.	0.5	27
9	Water Distribution System Analysis: Newton-Raphson Method Revisited. Journal of Hydraulic Engineering, 2011, 137, 852-855.	0.7	27
10	Dam- Breach Hydrograph Modelling: An Innovative Semi- Analytical Approach. Water Resources Management, 2013, 27, 1751-1762.	1.9	25
11	Fuzzy Regression Analysis for Sediment Incipient Motion under Turbulent Flow Conditions. Environmental Processes, 2016, 3, 663-679.	1.7	18
12	Uncertainty in the analysis of urban water supply and distribution systems. Journal of Hydroinformatics, 2017, 19, 823-837.	1.1	18
13	Minimum Cost Irrigation Network Design Using Interactive Fuzzy Integer Programming. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 242-248.	0.6	17
14	A Newtonâ€"Raphson analysis of urban water systems based on nodal head-driven outflow. European Journal of Environmental and Civil Engineering, 2014, 18, 882-896.	1.0	13
15	Îˆvaluation of Measures for Combating Water Shortage Based on Beneficial and Constraining Criteria. Water Resources Management, 2015, 29, 505-520.	1.9	13
16	A Fuzzy Multicriteria Categorization of Water Scarcity in Complex Water Resources Systems. Water Resources Management, 2015, 29, 521-539.	1.9	13
17	Fuzzy threshold for the initiation of sediment motion. Applied Soft Computing Journal, 2018, 72, 312-320.	4.1	10
18	A fuzzy AHP-outranking framework for selecting measures of river basin management plans. , 0, 167, 398-411.		9

#	Article	IF	Citations
19	A hybrid probabilistic bi-sector fuzzy regression based methodology for normal distributed hydrological variable. Evolving Systems, 2020, 11, 255-268.	2.4	8
20	A multicriteria fuzzy pattern recognition approach for assessing the vulnerability to drought: Mediterranean region. Evolving Systems, 2021, 12, 109-122.	2.4	8
21	Estimation of Fuzzy Parameters in the Linear Muskingum Model with the Aid of Particle Swarm Optimization. Sustainability, 2021, 13, 7152.	1.6	7
22	Fuzzy linear regression analysis for groundwater response to meteorological drought in the aquifer system of Xanthi plain, NE Greece. Journal of Hydroinformatics, 2021, 23, 1112-1129.	1.1	7
23	Embankment dam break: Uncertainty of outflow based on fuzzy representation of breach formation parameters. Journal of Intelligent and Fuzzy Systems, 2014, 27, 2365-2378.	0.8	6
24	A Fuzzified Multicriteria Outranking Method for Water Framework Directive Implementation in a Heavily Modified Urban Lake (Pamvotis, Greece). Water Resources Management, 2020, 34, 4491-4510.	1.9	6
25	â€œOne Outâ€"All Outâ€•Principle in the Water Framework Directive 2000â€"A New Approach with Fuzzy Method on an Example of Greek Lakes. Water (Switzerland), 2021, 13, 1776.	1.2	6
26	Closure to â€œWater Distribution System Analysis: Newton-Raphson Method Revisitedâ€•by M. Spiliotis and G. Tsakiris. Journal of Hydraulic Engineering, 2012, 138, 824-826.	0.7	5
27	A hybrid fuzzy frequency factor based methodology for analyzing the hydrological drought. , 0, 167, 385-397.		5
28	Reuse of drainage water in irrigation with the aid of 0-1 linear programming. Irrigation and Drainage Systems, 2011, 25, 385-394.	0.5	3
29	Uncertainty in the Analysis of Water Conveyance Systems. Procedia Engineering, 2016, 162, 340-348.	1.2	3
30	Hybrid Fuzzyâ€"Probabilistic Analysis and Classification of the Hydrological Drought. Proceedings (mdpi), 2018, 2, .	0.2	3
31	A Hybrid Fuzzy Regression-Based Methodology for Normal Distribution (Case Study: Cumulative) Tj ETQq1 1 0.784314 rgBT /Overlock	0.5	3
32	A Meta-multicriteria Approach to Estimate Drought Vulnerability Based on Fuzzy Pattern Recognition. Communications in Computer and Information Science, 2019, , 349-360.	0.4	3
33	A Fuzzy Transformation of the Classic Stream Sediment Transport Formula of Yang. Water (Switzerland), 2020, 12, 257.	1.2	3
34	Unit hydrograph identification based on fuzzy regression analysis. Evolving Systems, 2021, 12, 701-722.	2.4	3
35	Closure to â€œWater Distribution System Analysis: Newton-Raphson Method Revisitedâ€•by M. Spiliotis and G. Tsakiris. Journal of Hydraulic Engineering, 2013, 139, 918-919.	0.7	2
36	Reorganization of water demand under changing conditions with possibilistic programming. Journal of Hydroinformatics, 2015, 17, 239-259.	1.1	2

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37	A hybrid fuzzy probabilistic assessment of the extreme hydrological events. AIP Conference Proceedings, 2018, , .	0.3	2
38	Assessment of the Couple between the Historical Sample and the Theoretical Probability Distributions for Maximum flow Values Based on a Fuzzy Methodology. Environmental Sciences Proceedings, 2020, 2, 22.	0.3	2
39	Relating Hydro-Meteorological Variables to Water Table in an Unconfined Aquifer via Fuzzy Linear Regression. Environments - MDPI, 2021, 8, 9.	1.5	2
40	Assessment of annual hydrological drought based on fuzzy estimators. , 2016, , 1047-1051.		2
41	Enhancement of Socioeconomic Criteria for the Assessment of the Vulnerability to Flood Events with the Use of Multicriteria Analysis. Environmental Sciences Proceedings, 2020, 2, .	0.3	1
42	Hybrid Fuzzy Multi-Criteria Analysis for Selecting Discrete Preferable Groundwater Recharge Sites. Water (Switzerland), 2022, 14, 107.	1.2	1
43	Flexible Goal Programming for Supporting Lake Karla’s (Greece) Sustainable Operation. Sustainability, 2022, 14, 4311.	1.6	1
44	A Hybrid Multicriteria 0/1 Programming Methodology for Prioritizing the Measures of River Basin Management Plans. Proceedings (mdpi), 2018, 2, 624.	0.2	0