

Ali Danandeh Mehr

List of Publications by Year in descending order

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68
papers

2,499
citations

172207

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214527

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71
all docs

71
docs citations

71
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. <i>Journal of Hydrology</i> , 2017, 554, 263-276.	2.3	192
2	Streamflow prediction using linear genetic programming in comparison with a neuro-wavelet technique. <i>Journal of Hydrology</i> , 2013, 505, 240-249.	2.3	137
3	Groundwater level prediction using machine learning models: A comprehensive review. <i>Neurocomputing</i> , 2022, 489, 271-308.	3.5	115
4	Genetic programming in water resources engineering: A state-of-the-art review. <i>Journal of Hydrology</i> , 2018, 566, 643-667.	2.3	110
5	Climate change impacts on meteorological drought using SPI and SPEI: case study of Ankara, Turkey. <i>Hydrological Sciences Journal</i> , 2020, 65, 254-268.	1.2	105
6	A comparative analysis among computational intelligence techniques for dissolved oxygen prediction in Delaware River. <i>Geoscience Frontiers</i> , 2017, 8, 517-527.	4.3	95
7	A hybrid support vector regression–firefly model for monthly rainfall forecasting. <i>International Journal of Environmental Science and Technology</i> , 2019, 16, 335-346.	1.8	88
8	Successive-station monthly streamflow prediction using different artificial neural network algorithms. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2191-2200.	1.8	83
9	A gene–wavelet model for long lead time drought forecasting. <i>Journal of Hydrology</i> , 2014, 517, 691-699.	2.3	82
10	Iran's Agriculture in the Anthropocene. <i>Earth's Future</i> , 2020, 8, e2020EF001547.	2.4	82
11	Performance Comparison of an LSTM-based Deep Learning Model versus Conventional Machine Learning Algorithms for Streamflow Forecasting. <i>Water Resources Management</i> , 2021, 35, 4167-4187.	1.9	79
12	Identification of the trends associated with the SPI and SPEI indices across Ankara, Turkey. <i>Theoretical and Applied Climatology</i> , 2020, 139, 1531-1542.	1.3	76
13	Trend analysis of hydroclimatological variables in Urmia lake basin using hybrid wavelet Mann–Kendall and Åzen tests. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	1.3	60
14	A Pareto-optimal moving average-multigene genetic programming model for rainfall-runoff modelling. <i>Environmental Modelling and Software</i> , 2017, 92, 239-251.	1.9	59
15	A Pareto-optimal moving average multigene genetic programming model for daily streamflow prediction. <i>Journal of Hydrology</i> , 2017, 549, 603-615.	2.3	54
16	A novel intelligent deep learning predictive model for meteorological drought forecasting. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 10441-10455.	3.3	54
17	An improved gene expression programming model for streamflow forecasting in intermittent streams. <i>Journal of Hydrology</i> , 2018, 563, 669-678.	2.3	53
18	Chaos-based multigene genetic programming: A new hybrid strategy for river flow forecasting. <i>Journal of Hydrology</i> , 2018, 562, 455-467.	2.3	48

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19	Drought modeling using classic time series and hybrid wavelet-gene expression programming models. <i>Journal of Hydrology</i> , 2020, 587, 125017.	2.3	48
20	Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes. <i>International Journal of Sediment Research</i> , 2020, 35, 157-170.	1.8	47
21	Multigene genetic programming for sediment transport modeling in sewers for conditions of non-deposition with a bed deposit. <i>International Journal of Sediment Research</i> , 2018, 33, 262-270.	1.8	46
22	Season Algorithm-Multigene Genetic Programming: A New Approach for Rainfall-Runoff Modelling. <i>Water Resources Management</i> , 2018, 32, 2665-2679.	1.9	46
23	Linear genetic programming application for successive-station monthly streamflow prediction. <i>Computers and Geosciences</i> , 2014, 70, 63-72.	2.0	44
24	Caspian Sea is eutrophying: the alarming message of satellite data. <i>Environmental Research Letters</i> , 2020, 15, 124047.	2.2	42
25	On the implementation of a novel data-intelligence model based on extreme learning machine optimized by bat algorithm for estimating daily chlorophyll-a concentration: Case studies of river and lake in USA. <i>Journal of Cleaner Production</i> , 2021, 285, 124868.	4.6	39
26	Successive-station monthly streamflow prediction using neuro-wavelet technique. <i>Earth Science Informatics</i> , 2014, 7, 217-229.	1.6	37
27	Climate change impact assessment on mild and extreme drought events using copulas over Ankara, Turkey. <i>Theoretical and Applied Climatology</i> , 2020, 141, 1045-1055.	1.3	35
28	Rectangular side weirs discharge coefficient estimation in circular channels using linear genetic programming approach. <i>Journal of Hydroinformatics</i> , 2014, 16, 1318-1330.	1.1	34
29	A binary genetic programming model for teleconnection identification between global sea surface temperature and local maximum monthly rainfall events. <i>Journal of Hydrology</i> , 2017, 555, 397-406.	2.3	34
30	Pareto-optimal MPSA-MGGP: A new gene-annealing model for monthly rainfall forecasting. <i>Journal of Hydrology</i> , 2019, 571, 406-415.	2.3	29
31	Climate Change Impacts on Catchment-Scale Extreme Rainfall Variability: Case Study of Rize Province, Turkey. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	0.8	28
32	Ensemble gene expression programming: a new approach for evolution of parsimonious streamflow forecasting model. <i>Theoretical and Applied Climatology</i> , 2020, 139, 549-564.	1.3	28
33	MSGP-LASSO: An improved multi-stage genetic programming model for streamflow prediction. <i>Information Sciences</i> , 2021, 561, 181-195.	4.0	27
34	Rainfall-runoff modeling through regression in the reproducing kernel Hilbert space algorithm. <i>Journal of Hydrology</i> , 2020, 587, 125014.	2.3	26
35	ENN-SA: A novel neuro-annealing model for multi-station drought prediction. <i>Computers and Geosciences</i> , 2020, 145, 104622.	2.0	22
36	Seasonal rainfall hindcasting using ensemble multi-stage genetic programming. <i>Theoretical and Applied Climatology</i> , 2021, 143, 461-472.	1.3	18

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37	A new evolutionary time series model for streamflow forecasting in boreal lake-river systems. <i>Theoretical and Applied Climatology</i> , 2022, 148, 255-268.	1.3	18
38	A spatiotemporal teleconnection study between Peruvian precipitation and oceanic oscillations. <i>Quaternary International</i> , 2020, 565, 1-11.	0.7	17
39	An ensemble genetic programming approach to develop incipient sediment motion models in rectangular channels. <i>Journal of Hydrology</i> , 2020, 584, 124753.	2.3	17
40	Multitemporal meteorological drought forecasting using Bat-ELM. <i>Acta Geophysica</i> , 2022, 70, 917-927.	1.0	17
41	Energy Demand Forecasting Using Deep Learning. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 71-104.	0.9	16
42	A Novel Fuzzy Random Forest Model for Meteorological Drought Classification and Prediction in Ungauged Catchments. <i>Pure and Applied Geophysics</i> , 2020, 177, 5993-6006.	0.8	15
43	Application of Soft Computing Techniques for Particle Froude Number Estimation in Sewer Pipes. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020, 11, .	0.9	15
44	Grid-based performance evaluation of GCM-RCM combinations for rainfall reproduction. <i>Theoretical and Applied Climatology</i> , 2017, 129, 47-57.	1.3	14
45	Emotional ANN (EANN): A New Generation of Neural Networks for Hydrological Modeling in IoT. <i>Transactions on Computational Science and Computational Intelligence</i> , 2019, , 45-61.	0.3	14
46	Drought classification using gradient boosting decision tree. <i>Acta Geophysica</i> , 2021, 69, 909-918.	1.0	14
47	Wavelet Packet-Genetic Programming: A New Model for Meteorological Drought Hindcasting. <i>Teknik Dergi/Technical Journal of Turkish Chamber of Civil Engineers</i> , 2021, 32, 11029-11050.	0.5	14
48	Innovative and successive average trend analysis of temperature and precipitation in Osijek, Croatia. <i>Theoretical and Applied Climatology</i> , 2021, 145, 875-890.	1.3	13
49	Sea Level Prediction Using Machine Learning. <i>Water (Switzerland)</i> , 2021, 13, 3566.	1.2	10
50	An ensemble genetic programming model for seasonal precipitation forecasting. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	9
51	A gradient boosting tree approach for SPEI classification and prediction in Turkey. <i>Hydrological Sciences Journal</i> , 2021, 66, 1653-1663.	1.2	8
52	A New Evolutionary Hybrid Random Forest Model for SPEI Forecasting. <i>Water (Switzerland)</i> , 2022, 14, 755.	1.2	8
53	Multiple genetic programming: a new approach to improve genetic-based month ahead rainfall forecasts. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 25.	1.3	7
54	The Validity of Deep Learning Computational Model for Wind Speed Simulation. , 2021, , .		6

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55	Sediment transport modeling in non-deposition with clean bed condition using different tree-based algorithms. PLoS ONE, 2021, 16, e0258125.	1.1	5
56	Application of Deep Learning Neural Networks for Nitrate Prediction in the Klokot River, Bosnia and Herzegovina. , 2021, , .		4
57	Coastline change determination using UAV technology: a case study along the Konyaaltı± coast, Antalya, Turkey. , 2020, , 123-141.		4
58	Climate change impacts on floodway and floodway fringe: a case study in Shahrchay River Basin, Iran. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	3
59	Genetic programming for streamflow forecasting. , 2021, , 193-214.		3
60	Predicting dissolved oxygen concentration in river using new advanced machines learning: Long-short term memory (LSTM) deep learning. , 2022, , 1-20.		3
61	Study on spatial-temporal variations of Meteorological-Agricultural droughts in Turkey. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLII-3/W4, 483-490.	0.2	3
62	Electrical Energy Demand Prediction: A Comparison Between Genetic Programming and Decision Tree. Gazi University Journal of Science, 2020, 33, 62-72.	0.6	3
63	AKIM VE SEDİMENT YÄœK Å–NGÅ–RÄœMÄœ Å°Å†IN DOÄžRUSAL GENETİK PROGRAMLAMAMININ UYGULANMASI. Uludağ University Journal of the Faculty of Engineering, 2018, 23, 323-332.	0.2	2
64	Risk Assessment of Fuel Supply Pipelines: Kalecik Power Plant Case Study. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	0.9	1
65	A Genetic Programming Approach to Forecast Daily Electricity Demand. Advances in Intelligent Systems and Computing, 2019, , 301-308.	0.5	1
66	Genetic programming for turbidity prediction: hourly and monthly scenarios. Pamukkale University Journal of Engineering Sciences, 2019, 25, 992-997.	0.2	1
67	A long short-term memory deep learning approach for river water temperature prediction. , 2022, , 243-270.		1
68	Nordic contributions to stochastic methods in hydrology. Hydrology Research, 2022, 53, 840-866.	1.1	1