

Ali Danandeh Mehr

List of Publications by Year in descending order

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68
papers

2,499
citations

172457

29
h-index

214800

47
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71
all docs

71
docs citations

71
times ranked

1610
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel intelligent deep learning predictive model for meteorological drought forecasting. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 10441-10455.	4.9	54
2	Predicting dissolved oxygen concentration in river using new advanced machines learning: Long-short term memory (LSTM) deep learning. , 2022, , 1-20.		3
3	A new evolutionary time series model for streamflow forecasting in boreal lake-river systems. <i>Theoretical and Applied Climatology</i> , 2022, 148, 255-268.	2.8	18
4	A long short-term memory deep learning approach for river water temperature prediction. , 2022, , 243-270.		1
5	A New Evolutionary Hybrid Random Forest Model for SPEI Forecasting. <i>Water (Switzerland)</i> , 2022, 14, 755.	2.7	8
6	Groundwater level prediction using machine learning models: A comprehensive review. <i>Neurocomputing</i> , 2022, 489, 271-308.	5.9	115
7	Multitemporal meteorological drought forecasting using Bat-ELM. <i>Acta Geophysica</i> , 2022, 70, 917-927.	2.0	17
8	Nordic contributions to stochastic methods in hydrology. <i>Hydrology Research</i> , 2022, 53, 840-866.	2.7	1
9	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.	9.3	39
10	Seasonal rainfall hindcasting using ensemble multi-stage genetic programming. <i>Theoretical and Applied Climatology</i> , 2021, 143, 461-472.	2.8	18
11	Genetic programming for streamflow forecasting. , 2021, , 193-214.		3
12	Application of Deep Learning Neural Networks for Nitrate Prediction in the Klokot River, Bosnia and Herzegovina. , 2021, , .		4
13	The Validity of Deep Learning Computational Model for Wind Speed Simulation. , 2021, , .		6
14	Drought classification using gradient boosting decision tree. <i>Acta Geophysica</i> , 2021, 69, 909-918.	2.0	14
15	MSGP-LASSO: An improved multi-stage genetic programming model for streamflow prediction. <i>Information Sciences</i> , 2021, 561, 181-195.	6.9	27
16	Innovative and successive average trend analysis of temperature and precipitation in Osijek, Croatia. <i>Theoretical and Applied Climatology</i> , 2021, 145, 875-890.	2.8	13
17	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.	1.1	14
18	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.	3.9	79

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19	A gradient boosting tree approach for SPEI classification and prediction in Turkey. <i>Hydrological Sciences Journal</i> , 2021, 66, 1653-1663.	2.6	8
20	Sediment transport modeling in non-deposition with clean bed condition using different tree-based algorithms. <i>PLoS ONE</i> , 2021, 16, e0258125.	2.5	5
21	Sea Level Prediction Using Machine Learning. <i>Water (Switzerland)</i> , 2021, 13, 3566.	2.7	10
22	Energy Demand Forecasting Using Deep Learning. <i>EAI/Springer Innovations in Communication and Computing</i> , 2020, , 71-104.	1.1	16
23	Combination of sensitivity and uncertainty analyses for sediment transport modeling in sewer pipes. <i>International Journal of Sediment Research</i> , 2020, 35, 157-170.	3.5	47
24	Ensemble gene expression programming: a new approach for evolution of parsimonious streamflow forecasting model. <i>Theoretical and Applied Climatology</i> , 2020, 139, 549-564.	2.8	28
25	Climate change impacts on meteorological drought using SPI and SPEI: case study of Ankara, Turkey. <i>Hydrological Sciences Journal</i> , 2020, 65, 254-268.	2.6	105
26	Multiple genetic programming: a new approach to improve genetic-based month ahead rainfall forecasts. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 25.	2.7	7
27	Identification of the trends associated with the SPI and SPEI indices across Ankara, Turkey. <i>Theoretical and Applied Climatology</i> , 2020, 139, 1531-1542.	2.8	76
28	An ensemble genetic programming model for seasonal precipitation forecasting. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	9
29	Iran's Agriculture in the Anthropocene. <i>Earth's Future</i> , 2020, 8, e2020EF001547.	6.3	82
30	Risk Assessment of Fuel Supply Pipelines: Kalecik Power Plant Case Study. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2020, 11, .	1.6	1
31	A spatiotemporal teleconnection study between Peruvian precipitation and oceanic oscillations. <i>Quaternary International</i> , 2020, 565, 1-11.	1.5	17
32	ENN-SA: A novel neuro-annealing model for multi-station drought prediction. <i>Computers and Geosciences</i> , 2020, 145, 104622.	4.2	22
33	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.	1.9	15
34	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.	2.8	35
35	Climate change impacts on floodway and floodway fringe: a case study in Shahrchay River Basin, Iran. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	3
36	An ensemble genetic programming approach to develop incipient sediment motion models in rectangular channels. <i>Journal of Hydrology</i> , 2020, 584, 124753.	5.4	17

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37	Application of Soft Computing Techniques for Particle Froude Number Estimation in Sewer Pipes. Journal of Pipeline Systems Engineering and Practice, 2020, 11, .	1.6	15
38	Rainfall-runoff modeling through regression in the reproducing kernel Hilbert space algorithm. Journal of Hydrology, 2020, 587, 125014.	5.4	26
39	Drought modeling using classic time series and hybrid wavelet-gene expression programming models. Journal of Hydrology, 2020, 587, 125017.	5.4	48
40	Coastline change determination using UAV technology: a case study along the Konyaaltı coast, Antalya, Turkey. , 2020, , 123-141.		4
41	Caspian Sea is eutrophying: the alarming message of satellite data. Environmental Research Letters, 2020, 15, 124047.	5.2	42
42	Electrical Energy Demand Prediction: A Comparison Between Genetic Programming and Decision Tree. Gazi University Journal of Science, 2020, 33, 62-72.	1.2	3
43	Pareto-optimal MPSA-MGGP: A new gene-annealing model for monthly rainfall forecasting. Journal of Hydrology, 2019, 571, 406-415.	5.4	29
44	Emotional ANN (EANN): A New Generation of Neural Networks for Hydrological Modeling in IoT. Transactions on Computational Science and Computational Intelligence, 2019, , 45-61.	0.3	14
45	A hybrid support vector regression-firefly model for monthly rainfall forecasting. International Journal of Environmental Science and Technology, 2019, 16, 335-346.	3.5	88
46	A Genetic Programming Approach to Forecast Daily Electricity Demand. Advances in Intelligent Systems and Computing, 2019, , 301-308.	0.6	1
47	Genetic programming for turbidity prediction: hourly and monthly scenarios. Pamukkale University Journal of Engineering Sciences, 2019, 25, 992-997.	0.4	1
48	Trend analysis of hydroclimatological variables in Urmia lake basin using hybrid wavelet Mann-Kendall and Azen tests. Environmental Earth Sciences, 2018, 77, 1.	2.7	60
49	Multigene genetic programming for sediment transport modeling in sewers for conditions of non-deposition with a bed deposit. International Journal of Sediment Research, 2018, 33, 262-270.	3.5	46
50	Chaos-based multigene genetic programming: A new hybrid strategy for river flow forecasting. Journal of Hydrology, 2018, 562, 455-467.	5.4	48
51	Season Algorithm-Multigene Genetic Programming: A New Approach for Rainfall-Runoff Modelling. Water Resources Management, 2018, 32, 2665-2679.	3.9	46
52	Genetic programming in water resources engineering: A state-of-the-art review. Journal of Hydrology, 2018, 566, 643-667.	5.4	110
53	An improved gene expression programming model for streamflow forecasting in intermittent streams. Journal of Hydrology, 2018, 563, 669-678.	5.4	53
54	AKIM VE SEDİMENT YAKLAŞIM-NGA-RGA İN DOĞRUSAL GENETİK PROGRAMLAMANIN UYGULANMASI. Uludağ University Journal of the Faculty of Engineering, 2018, 23, 323-332.	0.2	2

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55	Grid-based performance evaluation of GCM-RCM combinations for rainfall reproduction. <i>Theoretical and Applied Climatology</i> , 2017, 129, 47-57.	2.8	14
56	A Pareto-optimal moving average-multigene genetic programming model for rainfall-runoff modelling. <i>Environmental Modelling and Software</i> , 2017, 92, 239-251.	4.5	59
57	A Pareto-optimal moving average multigene genetic programming model for daily streamflow prediction. <i>Journal of Hydrology</i> , 2017, 549, 603-615.	5.4	54
58	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.	5.4	34
59	Novel approach for streamflow forecasting using a hybrid ANFIS-FFA model. <i>Journal of Hydrology</i> , 2017, 554, 263-276.	5.4	192
60	Climate Change Impacts on Catchment-Scale Extreme Rainfall Variability: Case Study of Rize Province, Turkey. <i>Journal of Hydrologic Engineering - ASCE</i> , 2017, 22, .	1.9	28
61	A comparative analysis among computational intelligence techniques for dissolved oxygen prediction in Delaware River. <i>Geoscience Frontiers</i> , 2017, 8, 517-527.	8.4	95
62	Successive-station monthly streamflow prediction using different artificial neural network algorithms. <i>International Journal of Environmental Science and Technology</i> , 2015, 12, 2191-2200.	3.5	83
63	Rectangular side weirs discharge coefficient estimation in circular channels using linear genetic programming approach. <i>Journal of Hydroinformatics</i> , 2014, 16, 1318-1330.	2.4	34
64	Linear genetic programming application for successive-station monthly streamflow prediction. <i>Computers and Geosciences</i> , 2014, 70, 63-72.	4.2	44
65	A geneâ€“wavelet model for long lead time drought forecasting. <i>Journal of Hydrology</i> , 2014, 517, 691-699.	5.4	82
66	Successive-station monthly streamflow prediction using neuro-wavelet technique. <i>Earth Science Informatics</i> , 2014, 7, 217-229.	3.2	37
67	Streamflow prediction using linear genetic programming in comparison with a neuro-wavelet technique. <i>Journal of Hydrology</i> , 2013, 505, 240-249.	5.4	137
68	Study on spatial-temporal variations of Meteorological-Agricultural droughts in Turkey. <i>International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives</i> , 0, XLII-3/W4, 483-490.	0.2	3