Arash Adib

List of Publications by Year
in descending order

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45 papers	517 citations	687220 13 h-index	713332 21 g-index
45 all docs	45 docs citations	45 times ranked	355 citing authors

#	Article	IF	Citations
1	Drought monitoring and prediction using SPI, SPEI, and random forest model in various climates of Iran. Journal of Water and Climate Change, 2022, 13, 383-406.	1.2	53
2	Optimizing Multireservoir Operation: Hybrid of Bat Algorithm and Differential Evolution. Journal of Water Resources Planning and Management - ASCE, 2016, 142, .	1.3	50
3	Prediction of suspended sediment load using ANN GA conjunction model with Markov chain approach at flood conditions. KSCE Journal of Civil Engineering, 2017, 21, 447-457.	0.9	49
4	Simulation of the impact of climate change on runoff and drought in an arid and semiarid basin (the) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	2.8	28
5	Using uncertainty and sensitivity analysis for finding the best rainfall-runoff model in mountainous watersheds (Case study: the Navrood watershed in Iran). Journal of Mountain Science, 2019, 16, 529-541.	0.8	24
6	Ranking of hybrid wavelet-AI models by TOPSIS method for estimation of daily flow discharge. Water Science and Technology: Water Supply, 2020, 20, 3156-3171.	1.0	22
7	Long-term streamflow forecasts by Adaptive Neuro-Fuzzy Inference System using satellite images and K-fold cross-validation (Case study: Dez, Iran). KSCE Journal of Civil Engineering, 2015, 19, 2298-2306.	0.9	21
8	Optimization of Fuzzified Hedging Rules for Multipurpose and Multireservoir Systems. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	0.8	21
9	On the reliability of a novel MODWT-based hybrid ARIMA-artificial intelligence approach to forecast daily Snow Depth (Case study: The western part of the Rocky Mountains in the U.S.A). Cold Regions Science and Technology, 2021, 189, 103342.	1.6	20
10	Optimization of multi-reservoir operation with a new hedging rule: application of fuzzy set theory and NSGA-II. Applied Water Science, 2017, 7, 3075-3086.	2.8	19
11	Leakage detection and calibration of pipe networks by the inverse transient analysis modified by Gaussian functions for leakage simulation. Journal of Water Supply: Research and Technology - AQUA, 2018, 67, 404-413.	0.6	17
12	Stochastic approach to determination of suspended sediment concentration in tidal rivers by artificial neural network and genetic algorithm. Canadian Journal of Civil Engineering, 2013, 40, 299-312.	0.7	15
13	Applying wavelet transformation and artificial neural networks to develop forecasting-based reservoir operating rule curves. Hydrological Sciences Journal, 2020, 65, 2007-2021.	1.2	15
14	Meteorological drought monitoring and preparation of long-term and short-term drought zoning maps using regional frequency analysis and L-moment in the Khuzestan province of Iran. Theoretical and Applied Climatology, 2019, 137, 77-87.	1.3	14
15	A new approach for suspended sediment load calculation based on generated flow discharge considering climate change. Water Science and Technology: Water Supply, 2021, 21, 2400-2413.	1.0	12
16	A Rigorous Wavelet-Packet Transform to Retrieve Snow Depth from SSMIS Data and Evaluation of its Reliability by Uncertainty Parameters. Water Resources Management, 2021, 35, 2723-2740.	1.9	12
17	Investigation of a composite two-phase hedging rule policy for a multi reservoir system using streamflow forecast. Agricultural Water Management, 2022, 265, 107542.	2.4	12
18	Evaluating ability of three types of discrete wavelet transforms for improving performance of different ML models in estimation of daily-suspended sediment load. Arabian Journal of Geosciences, 2022, 15, 1.	0.6	11

#	Article	IF	Citations
19	Interactive approach for determination of salinity concentration in tidal rivers (Case study: The) Tj ETQq1 1 0.784314 rgBT /Overlock 10	3.5	9
20	Role of construction of large dams on river morphology (case study: the Karkheh dam in Iran). Arabian Journal of Geosciences, 2016, 9, 1.	0.6	9
21	Using of gene expression programming and climatic data for forecasting flow discharge by considering trend, normality, and stationarity analysis. Arabian Journal of Geosciences, 2017, 10, 1.	0.6	9
22	Relationship Between Hydrologic and Metrological Droughts Using the Streamflow Drought Indices and Standardized Precipitation Indices in the Dez Watershed of Iran. International Journal of Civil Engineering, 2019, 17, 1171-1181.	0.9	9
23	Recognizing of the best different artificial intelligence method for determination of local scour depth around group piers in equilibrium time. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	8
24	Prediction of meteorological and hydrological phenomena by different climatic scenarios in the Karkheh watershed (south west of Iran). Scientia Iranica, 2018, .	0.3	7
25	Experimental Study on the Effect of Froude Number on Temporal Variation of Scour around a T Shaped Spur Dike in a 90 Degree Bend. Applied Mechanics and Materials, 2011, 147, 75-79.	0.2	6
26	Snow depth retrieval from passive microwave imagery using different artificial neural networks. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	6
27	Merge L-Moment Method, Regional Frequency Analysis and SDI for Monitoring and Zoning Map of Short-Term and Long-Term Hydrologic Droughts in the Khuzestan Province of Iran. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2021, 45, 2681-2694.	1.0	5
28	Investigation of Forecast Accuracy and its Impact on the Efficiency of Data-Driven Forecast-Based Reservoir Operating Rules. Water (Switzerland), 2021, 13, 2737.	1.2	5
29	Methodology for the determination of trends for climatic and hydrometric parameters upstream of the Dez Dam. Weather, 2017, 72, 280-286.	0.6	4
30	GEP prediction of the cracking zones in earthfill dams. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	4
31	Evaluating the effect of the uncertainty of CMIP6 models on extreme flows of the Caspian Hyrcanian forest watersheds using the BMA method. Stochastic Environmental Research and Risk Assessment, 2023, 37, 491-505.	1.9	4
32	Evaluation of fluvial flow effects on tidal characteristics of tidal rivers by artificial neural networks and genetic algorithm. International Journal of Water, 2016, 10, 13.	0.1	3
33	Extraction of structural curves, regression relations and structural regression relations in the tidal limit of the Karun River. Indian Journal of Science and Technology, 2010, 3, 530-536.	0.5	3
34	Optimization of Released Water from the Dez Dam for Supply of Water Demands in the Downstream of Dam. Applied Mechanics and Materials, 0, 147, 187-190.	0.2	2
35	Application of Fluvial-12 model for calculation of maximum deformation in cross sections of tidal rivers (the Karun River in Iran). Acta Scientiarum - Technology, 2019, 41, 39539.	0.4	2
36	Effects of the Karkheh Dam construction on haze generation due to geomorphological changes in the Khuzestan Province, Southwest Iran. Water Science and Technology: Water Supply, 2022, 22, 2338-2350.	1.0	2

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37	Comparison between results of solution of Burgersâ€™ equation and Laplaceâ€™s equation by Galerkin and least-square finite element methods. Applied Water Science, 2018, 8, 1.	2.8	1
38	Using of gene expression programming method for prediction of daily components of tidal cycle in tidal rivers. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	1
39	Diagnosis of Erodible Locations in River Bends Using a Combined Method (GIS, RS and the CCHE2D) Tj ETQq1 1 0.784314 rgBT /Over	0.2	1
40	Determination of Salinity Concentration in Tidal Rivers. Journal of Applied Sciences, 2008, 8, 2585-2591.	0.1	1
41	Calibration of seasonal transfer equation (Zâ€“R) by data of Doppler weather radar, rainfall gauging station and genetic algorithm method in the Abolabbas watershed (in southwest of Iran). Water Science and Technology: Water Supply, 2021, 21, 567-580.	1.0	1
42	Introduction of a stochastic approach in the development of a numerical model for tidalâ€“fluvial interaction analysis and design. Canadian Journal of Civil Engineering, 2006, 33, 1027-1038.	0.7	0
43	Comparison between Generated Data by Different Markov Chain Methods in the Mola Sany Station of the Karun River in Iran. Applied Mechanics and Materials, 2011, 147, 183-186.	0.2	0
44	A Comparative Evaluation of Snow Depth and Snow Water Equivalent Using Empirical Algorithms and Multivariate regressions. International Journal of Integrated Engineering, 2018, 10, .	0.2	0
45	Mixed-mode fracture parameters estimation by genetic programming. Scientia Iranica, 2018, .	0.3	0