Arash Adib

List of Publications by Citations

41 papers	240 citations	8 h-index	13 g-index
45 ext. papers	363 ext. citations	2 avg, IF	3.99 L-index

#	Paper	IF	Citations
41	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	1.9	38
40	Optimizing Multireservoir Operation: Hybrid of Bat Algorithm and Differential Evolution. *Journal of Water Resources Planning and Management - ASCE*, **2016**, 142, 05015010	2.8	37
39	Optimization of Fuzzified Hedging Rules for Multipurpose and Multireservoir Systems. *Journal of Hydrologic Engineering - ASCE*, **2016**, 21, 05016003	1.8	15
38	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	5	14
37	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	1.9	13
36	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	2.1	11
35	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	1.3	11
34	Leakage detection and calibration of pipe networks by the inverse transient analysis modified by Gaussian functions for leakage simulation **2018**, 67, 404-413		10
33	Interactive approach for determination of salinity concentration in tidal rivers (Case study: The Karun River in Iran). *Ain Shams Engineering Journal*, **2015**, 6, 785-793	4.4	8
32	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	3	8
31	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	1.8	7
30	Applying wavelet transformation and artificial neural networks to develop forecasting-based reservoir operating rule curves. *Hydrological Sciences Journal*, **2020**, 65, 2007-2021	3.5	7
29	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	1.4	6
28	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	1.9	6
27	Prediction of meteorological and hydrological phenomena by different climatic scenarios in the Karkheh watershed (south west of Iran). *Scientia Iranica*, **2018**, 0-0	1.5	5
26	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	1.4	5
25	Role of construction of large dams on river morphology (case study: the Karkheh dam in Iran). *Arabian Journal of Geosciences*, **2016**, 9, 1	1.8	5

24	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	0.3	4
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	1.8	4
22	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	2.3	4
21	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	1	3
20	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*, **2020**, 1	1.1	3
19	GEP prediction of the cracking zones in earthfill dams. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	3
18	Methodology for the determination of trends for climatic and hydrometric parameters upstream of the Dez Dam. *Weather*, **2017**, 72, 280-286	0.9	2
17	Snow depth retrieval from passive microwave imagery using different artificial neural networks. *Arabian Journal of Geosciences*, **2020**, 13, 1	1.8	2
16	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	0.9	2
15	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	3.8	2
14	Optimization of Released Water from the Dez Dam for Supply of Water Demands in the Downstream of Dam. *Applied Mechanics and Materials*, **2011**, 147, 187-190	0.3	1
13	Diagnosis of Erodible Locations in River Bends Using a Combined Method (GIS, RS and the CCHE2D Model) (Case Study: The Karkheh River in Iran). *Slovak Journal of Civil Engineering*, **2018**, 26, 78-88	0.9	1
12	Determination of Salinity Concentration in Tidal Rivers. *Journal of Applied Sciences*, **2008**, 8, 2585-2591	0.3	1
11	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	3.7	1
10	Using of gene expression programming method for prediction of daily components of tidal cycle in tidal rivers. *Arabian Journal of Geosciences*, **2021**, 14, 1	1.8	1
9	Investigation of a composite two-phase hedging rule policy for a multi reservoir system using streamflow forecast. *Agricultural Water Management*, **2022**, 265, 107542	5.9	0
8	Investigation of Forecast Accuracy and its Impact on the Efficiency of Data-Driven Forecast-Based Reservoir Operating Rules. *Water (Switzerland)*, **2021**, 13, 2737	3	0
7	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	0.5	0

6	Simulation of the impact of climate change on runoff and drought in an arid and semiarid basin (the Hablehroud, Iran). *Applied Water Science*, **2021**, 11, 1	5	0
5	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	1.8	0
4	Comparison between results of solution of Burgers' equation and Laplace's equation by Galerkin and least-square finite element methods. *Applied Water Science*, **2018**, 8, 1	5	
3	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	0.3	
2	Introduction of a stochastic approach in the development of a numerical model for tidal–fluvial interaction analysis and design. *Canadian Journal of Civil Engineering*, **2006**, 33, 1027-1038	1.3	
1	Calibration of seasonal transfer equation (Z–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	1.4	