Mohamad Reza Kavianpour

List of Publications by Year
in descending order

52 papers	1,368 citations	471509 17 h-index	345221 36 g-index
52 all docs	52 docs citations	52 times ranked	1659 citing authors

#	Article	IF	Citations
1	Synoptic analysis of dust storms in the Middle East. Asia-Pacific Journal of Atmospheric Sciences, 2013, 49, 279-286.	2.3	177
2	Comparison of PERSIANN and V7 TRMM Multi-satellite Precipitation Analysis (TMPA) products with rain gauge data over Iran. International Journal of Remote Sensing, 2013, 34, 8156-8171.	2.9	158
3	Development of wavelet-ANN models to predict water quality parameters in Hilo Bay, Pacific Ocean. Marine Pollution Bulletin, 2015, 98, 171-178.	5.0	124
4	Effect of river flow on the quality of estuarine and coastal waters using machine learning models. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 810-823.	3.1	113
5	A new approach for simulating and forecasting the rainfall-runoff process within the next two months. Journal of Hydrology, 2017, 548, 588-597.	5.4	91
6	Comprehensive evaluation of four high-resolution satellite precipitation products under diverse climate conditions in Iran. Hydrological Sciences Journal, 2016, 61, 420-440.	2.6	88
7	Uncertainty analysis of bias from satellite rainfall estimates using copula method. Atmospheric Research, 2014, 137, 145-166.	4.1	59
8	Prediction of longitudinal dispersion coefficient in natural rivers using a cluster-based Bayesian network. Environmental Earth Sciences, 2017, 76, 1.	2.7	50
9	Numerical simulation of dust events in the Middle East. Aeolian Research, 2014, 13, 59-70.	2.7	49
10	A quantitative evaluation of the 3â€"8 July 2009 Shamal dust storm. Aeolian Research, 2017, 24, 133-143.	2.7	42
11	Evaluation and modeling scouring and sedimentation around downstream of large dams. Environmental Earth Sciences, 2018, 77, 1.	2.7	33
12	Numerical modeling of sediment scouring phenomenon around the offshore wind turbine pile in marine environment. Environmental Earth Sciences, 2018, 77, 1.	2.7	31
13	Predicting longitudinal dispersion coefficient using ANN with metaheuristic training algorithms. International Journal of Environmental Science and Technology, 2017, 14, 2399-2410.	3.5	28
14	Spatial and temporal analysis of drought based on a combined index using copula. Environmental Earth Sciences, 2018, 77, 1.	2.7	26
15	Experimental investigation of parameters affecting the stability of articulated concrete block mattress under wave attack. Applied Ocean Research, 2017, 64, 184-202.	4.1	21
16	Hydrodynamic Performance and Cavitation Analysis in Bottom Outlets of Dam Using CFD Modelling. Advances in Civil Engineering, 2021, 2021, 1-14.	0.7	19
17	Experimental investigation of using geo-textile filter layer in articulated concrete block mattress revetment on coastal embankment. Journal of Ocean Engineering and Marine Energy, 2019, 5, 119-133.	1.7	18
18	Numerical Modeling of Failure Mechanisms in Articulated Concrete Block Mattress as a Sustainable Coastal Protection Structure. Sustainability, 2021, 13, 12794.	3.2	18

#	Article	IF	Citations
19	Experimental analysis of breakwater stability with antifer concrete block. Marine Georesources and Geotechnology, 2017, 35, 426-434.	2.1	16
20	Experimental and numerical analysis of the scour profile downstream of flip bucket with change in bed material size. ISH Journal of Hydraulic Engineering, 2019, 25, 188-202.	2.1	16
21	Experimental investigation of pressure fluctuation on the bed of compound flip buckets. ISH Journal of Hydraulic Engineering, 2018, 24, 45-52.	2.1	14
22	Wave run-up and rundown on ACB Mats under granular and geotextile filters' condition. Marine Georesources and Geotechnology, 2018, 36, 895-906.	2.1	14
23	Calibration of weather radar using region probability matching method (RPMM). Theoretical and Applied Climatology, 2018, 134, 165-176.	2.8	13
24	Performance of Hydrodynamics Flow on Flip Buckets Spillway for Flood Control in Large Dam Reservoirs. , 2020, 1, 39-47.		13
25	Wavelet-IANN model for predicting flow discharge up to several days and months ahead. Journal of Hydroinformatics, 2018, 20, 134-148.	2.4	12
26	A distributed wind downscaling technique for wave climate modeling under future scenarios. Ocean Modelling, 2020, 145, 101513.	2.4	12
27	Air demand in gated tunnels ' a Bayesian approach to merge various predictions. Journal of Hydroinformatics, 2012, 14, 152-166.	2.4	11
28	Pressure Distribution on the Bed of the Compound Flip Buckets. Journal of Computational Multiphase Flows, 2015, 7, 181-194.	0.8	11
29	A Weibull Distribution Based Technique for Downscaling of Climatic Wind Field. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 685-700.	2.3	11
30	Projection of spatiotemporal variability of wave power in the Persian Gulf by the end of 21st century: GCM and CORDEX ensemble. Journal of Cleaner Production, 2020, 256, 120400.	9.3	11
31	Numerical Modeling of Depth and Location of Scour at Culvert Outlets under Unsteady Flow Conditions. Journal of Pipeline Systems Engineering and Practice, 2021, 12, .	1.6	10
32	Performance Assessment of Shockwaves of Chute Spillways in Large Dams. Shock and Vibration, 2021, 2021, 1-17.	0.6	9
33	Uncertainty analysis of radar rainfall estimates over two different climates in Iran. International Journal of Remote Sensing, 2017, 38, 5106-5126.	2.9	8
34	Spatial analysis of meteorological and hydrological drought characteristics using Copula model. Environmental Earth Sciences, 2021, 80, 1.	2.7	7
35	A comparison between artificial neural network method and nonlinear regression method to estimate the missing hydrometric data. Journal of Hydroinformatics, 2011, 13, 245-254.	2.4	6
36	Intelligent Prediction of Turbulent Flow over Backward-Facing Step using Direct Numerical Simulation Data. Engineering Applications of Computational Fluid Mechanics, 2012, 6, 490-503.	3.1	5

#	Article	IF	Citations
37	A statistical framework to project wave climate and energy potential in the Caspian Sea: application of CMIP6 scenarios. International Journal of Environmental Science and Technology, 2022, 19, 2323-2336.	3.5	5
38	Sheared and un-sheared segregation and settling behavior of fine sand particles in hyperconcentrated homogeneous sand-water mixture flows. Journal of Hydraulic Research/De Recherches Hydrauliques, 2008, 46, 105-111.	1.7	4
39	A new species and new distribution records of *Zercon* C. L. Koch from Iran (Acari: Zerconidae). Zoology in the Middle East, 2018, 64, 363-370.	0.6	4
40	Wall pressure field downstream of deflectors. Part 1: without aeration. Proceedings of the Institution of Civil Engineers Water and Maritime Engineering, 2000, 142, 79-86.	0.3	3
41	A new species of *Gaeolaelaps* Evans and Till (Mesostigmata: Laelapidae) from northwestern Iran with a key to the species with three-tined apotele. International Journal of Acarology, 2018, 44, 180-184.	0.7	2
42	Determination of homogeneous regions case study: South-East Urmia Lake Catchment, Iran. , 2010, , .		1
43	First record of Symphyla (Myriapoda) from Iran, with description of a new species in Scolopendrellopsis (Scolopendrellidae). Zootaxa, 2011, 3041, 66.	0.5	1
44	Experimental Study of Sand Sediments Effects on Submerged Hydraulic Jump Properties. Applied Mechanics and Materials, 2012, 212-213, 366-371.	0.2	1
45	Numerical Investigation of the Effect of CEDEX Profile on the Hydraulic Parameters in the Stepped Spillway and the Performance of This Profile in Various Chute Slopes. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 1247-1254.	1.9	1
46	SPECTRAL ANALYSIS OF PRESSURE FLUCTUATIONS UNDER HYDRAULIC JUMPS. , 2002, , .		1
47	Numerical Modeling of Flow Condition in a Bottom Outlet. , 2009, , 1817-1822.		1
48	PRESSURE FLUCTUATIONS ON STILLING BASINS WITH NEGATIVE SLOPES. , 2002, , .		0
49	Estimation of missing annual discharge. , 2010, , .		0
50	The Baffle Blocks Effects of Pressure Characteristics on USBR III Basin Floor. Applied Mechanics and Materials, 0, 212-213, 821-825.	0.2	0
51	The Effect of Aliased and De-aliased Formulation for DNS Analysis in Plane Poiseuille Flow. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2017, 41, 77-85.	1.9	0
52	HYDRAULIC BEHAVIOR OF HOWELL BUNGER VALVES. , 2002, , .		0