Mahnaz Ghaeini-Hessaroeyeh

List of Publications by Year
in descending order

25 papers	148 citations	1307366 7 h-index	1281743 11 g-index
26 all docs	26 docs citations	26 times ranked	99 citing authors

#	Article	IF	Citations
1	Numerical simulation of dam-breach flood waves. Applied Water Science, 2022, 12, 1.	2.8	0
2	Numerical Simulation of Run-Up and Land Inundation on the Vegetated Sloping Beach. Journal of Earthquake and Tsunami, 2021, 15, .	0.7	3
3	Experimental Evaluation of Vertical Shaft Efficiency in Vortex Flow Energy Dissipation. International Journal of Civil Engineering, 2021, 19, 1445-1455.	0.9	5
4	Numerical modeling of water hammer in long water transmission pipeline. Applied Water Science, 2021, 11, 1.	2.8	6
5	Experimental Study of Flow Characteristics in Vortex Drop Shaft. Journal of Pipeline Systems Engineering and Practice, 2021, 12, 04021032.	0.9	1
6	Investigating Performance of Tuned Liquid Damper Using Finite-Element Method Based on Lagrange and Hankel Functions with Nonlinear Boundary Conditions. Journal of Engineering Mechanics - ASCE, 2021, 147, 04021083.	1.6	2
7	A Numerical Study on Three-Dimensionality and Turbulence in Supercritical Bend Flow. International Journal of Civil Engineering, 2020, 18, 381-391.	0.9	5
8	Contamination transport model by coupling analytic element and point collocation methods. Applied Water Science, 2020, 10, 1.	2.8	3
9	Fuzzy nearest neighbor approach for drought monitoring and assessment. Applied Water Science, 2020, 10, 1.	2.8	2
10	Developing New Numerical Modeling for Sloshing Behavior in Two-Dimensional Tanks Based on Nonlinear Finite-Element Method. Journal of Engineering Mechanics - ASCE, 2019, 145, 04019107.	1.6	7
11	Increasing the Solution Accuracy in the Numerical Modeling of Boundary Value Problems Using Finite Element Method Based on Hankel Shape Functions. International Journal of Applied Mechanics, 2019, 11, 1950062.	1.3	3
12	Optimal Allocation of Water Resources Using a Two-Stage Stochastic Programming Method with Interval and Fuzzy Parameters. Natural Resources Research, 2019, 28, 1107-1124.	2.2	26
13	The improvement of numerical modeling in the solution of incompressible viscous flow problems using finite element method based on spherical Hankel shape functions. International Journal for Numerical Methods in Fluids, 2018, 87, 70-89.	0.9	14
14	Application of a weakly compressible smoothed particle hydrodynamics multi-phase model to non-cohesive embankment breaching due to flow overtopping. Frontiers of Structural and Civil Engineering, 2018, 12, 412-424.	1.2	3
15	Modelling of dam failure-induced flows over movable beds considering turbulence effects. Computers and Fluids, 2018, 161, 199-210.	1.3	7
16	Numerical modeling of sediment transport based on unsteady and steady flows by incompressible smoothed particle hydrodynamics method. Journal of Hydrodynamics, 2018, 30, 928-942.	1.3	10
17	Cavitation Damage Prediction on Dam Spillways using Fuzzy-KNN Modeling. Journal of Applied Fluid Mechanics, 2018, 11, 323-329.	0.4	7
18	Application of Bed Load Formulations for Dam Failure and Overtopping. Civil Engineering Journal (Iran), 2017, 3, 997.	1.2	5

#	Article	IF	Citations
19	Numerical modeling of flood waves in a bumpy channel with the different boundary conditions. Scientia Iranica, 2017, .	0.3	1
20	Numerical Detection of Cavitation Damage on Dam Spillway. Civil Engineering Journal (Iran), 2016, 2, 484-490.	1.2	3
21	Prediction of cavitation damage on spillway using K-nearest neighbor modeling. Water Science and Technology, 2015, 71, 347-352.	1.2	11
22	Coupled dam-break flow and bed load modelling using HLLC-WAF scheme. Water Science and Technology, 2015, 72, 1155-1167.	1.2	4
23	Numerical modelling of supercritical flow in rectangular chute bends. Journal of Hydraulic Research/De Recherches Hydrauliques, 2011, 49, 685-688.	0.7	8
24	Analytical model of supercritical flow in rectangular chute bends. Journal of Hydraulic Research/De Recherches Hydrauliques, 2009, 47, 566-573.	0.7	7
25	2-D Dam-Break Flow Modeling Based on Weighted Average Flux Method. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 0, , 1.	1.0	2