

# Mahnaz Ghaeini-Hessaroeeyeh

## List of Publications by Year in descending order

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25  
papers

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citations

1307366

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1281743

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times ranked

99  
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Allocation of Water Resources Using a Two-Stage Stochastic Programming Method with Interval and Fuzzy Parameters. <i>Natural Resources Research</i> , 2019, 28, 1107-1124.	2.2	26
2	The improvement of numerical modeling in the solution of incompressible viscous flow problems using finite element method based on spherical Hankel shape functions. <i>International Journal for Numerical Methods in Fluids</i> , 2018, 87, 70-89.	0.9	14
3	Prediction of cavitation damage on spillway using K-nearest neighbor modeling. <i>Water Science and Technology</i> , 2015, 71, 347-352.	1.2	11
4	Numerical modeling of sediment transport based on unsteady and steady flows by incompressible smoothed particle hydrodynamics method. <i>Journal of Hydrodynamics</i> , 2018, 30, 928-942.	1.3	10
5	Numerical modelling of supercritical flow in rectangular chute bends. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2011, 49, 685-688.	0.7	8
6	Analytical model of supercritical flow in rectangular chute bends. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2009, 47, 566-573.	0.7	7
7	Modelling of dam failure-induced flows over movable beds considering turbulence effects. <i>Computers and Fluids</i> , 2018, 161, 199-210.	1.3	7
8	Developing New Numerical Modeling for Sloshing Behavior in Two-Dimensional Tanks Based on Nonlinear Finite-Element Method. <i>Journal of Engineering Mechanics - ASCE</i> , 2019, 145, 04019107.	1.6	7
9	Cavitation Damage Prediction on Dam Spillways using Fuzzy-KNN Modeling. <i>Journal of Applied Fluid Mechanics</i> , 2018, 11, 323-329.	0.4	7
10	Numerical modeling of water hammer in long water transmission pipeline. <i>Applied Water Science</i> , 2021, 11, 1.	2.8	6
11	A Numerical Study on Three-Dimensionality and Turbulence in Supercritical Bend Flow. <i>International Journal of Civil Engineering</i> , 2020, 18, 381-391.	0.9	5
12	Experimental Evaluation of Vertical Shaft Efficiency in Vortex Flow Energy Dissipation. <i>International Journal of Civil Engineering</i> , 2021, 19, 1445-1455.	0.9	5
13	Application of Bed Load Formulations for Dam Failure and Overtopping. <i>Civil Engineering Journal (Iran)</i> , 2017, 3, 997.	1.2	5
14	Coupled dam-break flow and bed load modelling using HLLC-WAF scheme. <i>Water Science and Technology</i> , 2015, 72, 1155-1167.	1.2	4
15	Application of a weakly compressible smoothed particle hydrodynamics multi-phase model to non-cohesive embankment breaching due to flow overtopping. <i>Frontiers of Structural and Civil Engineering</i> , 2018, 12, 412-424.	1.2	3
16	Increasing the Solution Accuracy in the Numerical Modeling of Boundary Value Problems Using Finite Element Method Based on Hankel Shape Functions. <i>International Journal of Applied Mechanics</i> , 2019, 11, 1950062.	1.3	3
17	Contamination transport model by coupling analytic element and point collocation methods. <i>Applied Water Science</i> , 2020, 10, 1.	2.8	3
18	Numerical Simulation of Run-Up and Land Inundation on the Vegetated Sloping Beach. <i>Journal of Earthquake and Tsunami</i> , 2021, 15, .	0.7	3

#	ARTICLE	IF	CITATIONS
19	Numerical Detection of Cavitation Damage on Dam Spillway. Civil Engineering Journal (Iran), 2016, 2, 484-490.	1.2	3
20	Fuzzy nearest neighbor approach for drought monitoring and assessment. Applied Water Science, 2020, 10, 1.	2.8	2
21	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
22	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
23	Experimental Study of Flow Characteristics in Vortex Drop Shaft. Journal of Pipeline Systems Engineering and Practice, 2021, 12, 04021032.	0.9	1
24	Numerical modeling of flood waves in a bumpy channel with the different boundary conditions. Scientia Iranica, 2017, .	0.3	1
25	Numerical simulation of dam-breach flood waves. Applied Water Science, 2022, 12, 1.	2.8	0