

Tewfik Mahdi

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

241
citations

1039880

9
h-index

1125617

13
g-index

42
all docs

42
docs citations

42
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	Comment on Aureli et al. Review of Historical Dam-Break Events and Laboratory Tests on Real Topography for the Validation of Numerical Models. <i>Water</i> 2021, 13, 1968. <i>Water</i> (Switzerland), 2022, 14, 264.	1.2	0
2	Automatic incorporation of riverbank failures in two-dimensional flood modeling. <i>Canadian Journal of Civil Engineering</i> , 2021, 48, 1004-1019.	0.7	0
3	Presenting a novel higher-order bounded convection scheme for simulation of multiphase flows and convection heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2021, 172, 121163.	2.5	6
4	Discussion of "New Empirical Model for Breaching of Earth-Rock Dams" by Qiming Zhong, Shengshui Chen, Zhongzhi Fu, and Yibo Shan. <i>Natural Hazards Review</i> , 2021, 22, .	0.8	0
5	A new one-dimensional numerical model for unsteady hydraulics of sediments in rivers. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	5
6	Manning's roughness coefficient determination in laboratory experiments using 2D modeling and automatic calibration. <i>Houille Blanche</i> , 2020, 106, 22-33.	0.3	2
7	Discussion of "Consequences of dike breaches and dike overflow in a bifurcating river system" by Anouk Bomers, Ralph M. J. Schielen and Suzanne J. M. H. Hulscher. <i>Natural Hazards</i> , 2020, 103, 1629-1632.	1.6	1
8	Rivers' Confluence Morphological Modeling Using SRH-2D. <i>Advances in Science, Technology and Innovation</i> , 2020, , 171-176.	0.2	1
9	Flooding of the Saguenay region in 1996. Part 2: Aux Sables River flood mitigation and environmental impact assessment. <i>Natural Hazards</i> , 2019, 96, 17-32.	1.6	5
10	Flooding of the Saguenay region in 1996: Part 1 " modeling River Ha! Ha! flooding. <i>Natural Hazards</i> , 2019, 96, 1-15.	1.6	11
11	A review of cyclone track shifts over the Great Lakes of North America: implications for storm surges. <i>Natural Hazards</i> , 2019, 98, 119-135.	1.6	1
12	Discussion of "Finite-Volume Solutions to the Water-Hammer Equations in Conservation Form Incorporating Dynamic Friction Using the Godunov Scheme" by Aboudou Seck, Musandji Fuamba, and René Kahawita. <i>Journal of Hydraulic Engineering</i> , 2019, 145, 07018022.	0.7	0
13	Flood modelling improvement using automatic calibration of two dimensional river software SRH-2D. <i>Natural Hazards</i> , 2018, 91, 697-715.	1.6	8
14	Impacts of boreal hydroelectric reservoirs on seasonal climate and precipitation recycling as simulated by the CRCM5: a case study of the La Grande River watershed, Canada. <i>Theoretical and Applied Climatology</i> , 2018, 131, 1529-1544.	1.3	7
15	Comparison of two-dimensional flood propagation models: SRH-2D and Hydro_AS-2D. <i>Natural Hazards</i> , 2017, 86, 1207-1222.	1.6	17
16	Semi-2D modeling of river morphological changes caused by exceptional flooding. <i>MATEC Web of Conferences</i> , 2017, 120, 05008.	0.1	0
17	Modélisation probabiliste du débit de rupture par submersion d'un barrage en remblai. <i>Canadian Journal of Civil Engineering</i> , 2014, 41, 677-685.	0.7	0
18	Evaluation of the overflow failure scenario and hydrograph of an embankment dam with a concrete upstream slope protection. <i>Natural Hazards</i> , 2014, 71, 21-39.	1.6	8

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19	Experimental investigation into rockfill dam failure initiation by overtopping. <i>Natural Hazards</i> , 2014, 74, 623-637.	1.6	19
20	Détermination de l'hydrogramme de rupture par déversement en crête pour barrages en terre et en enrochement disposant d'un rideau en béton. <i>Canadian Journal of Civil Engineering</i> , 2013, 40, 537-546.	0.7	1
21	Recent Hydropower Solutions in Canada. , 2012, , 153-178.		1
22	Grid-independent depth-averaged simulations with a collocated unstructured finite volume scheme. <i>International Journal for Numerical Methods in Fluids</i> , 2012, 69, 88-109.	0.9	2
23	Depth-averaged turbulent heat and fluid flow in a vegetated porous medium. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 848-863.	2.5	4
24	A new method for the treatment of wetting-drying fronts. <i>Applied Mathematical Modelling</i> , 2012, 36, 2286-2302.	2.2	3
25	Experimental investigation into embankment external suffusion. <i>Natural Hazards</i> , 2010, 54, 749-763.	1.6	17
26	Automatic calibration tool for river models based on the MHYSER software. <i>Natural Hazards</i> , 2010, 54, 879-899.	1.6	7
27	The inclusive and simplified forms of Bayesian interpolation for general and monotonic models using Gaussian and Generalized Beta distributions with application to Monte Carlo simulations. <i>Natural Hazards</i> , 2010, 55, 29-49.	1.6	10
28	Determination of failure probabilities of flood defence systems with improved dynamic bounds method. <i>Natural Hazards</i> , 2010, 55, 95-109.	1.6	8
29	Stochastic methods for safety assessment of the flood defense system in the Scheldt Estuary of the Netherlands. <i>Natural Hazards</i> , 2010, 55, 123-144.	1.6	7
30	Automated numerical analysis tool for assessing potential bank failures during flooding. <i>Natural Hazards</i> , 2010, 55, 3-14.	1.6	7
31	Guest editorial to the special issue modelling of river hazards. <i>Natural Hazards</i> , 2010, 55, 1-1.	1.6	0
32	Experimental Investigation of the Hydraulic Erosion of Noncohesive Compacted Soils. <i>Journal of Hydraulic Engineering</i> , 2010, 136, 901-913.	0.7	28
33	Application of the dynamic bounds method in the safety assessment of flood defences, a case study: 17th Street flood wall, New Orleans. <i>Georisk</i> , 2010, 4, 157-173.	2.6	6
34	Simulation of shallow water waves using VOF method. <i>Journal of Hydro-Environment Research</i> , 2010, 3, 208-214.	1.0	10
35	Treatment of Checkerboard Pressure in the Collocated Unstructured Finite-Volume Scheme. <i>Numerical Heat Transfer, Part B: Fundamentals</i> , 2010, 58, 121-144.	0.6	6
36	Semi-two-dimensional numerical model for river morphological change prediction: theory and concepts. <i>Natural Hazards</i> , 2009, 49, 565-603.	1.6	10

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37	Manhole Storage Capacity Influence on Transient Flow Modeling during Storm Sewer Flooding Event. Journal of Water Management Modeling, 2009, , .	0.0	0
38	Pairing geotechnics and fluvial hydraulics for the prediction of the hazard zones of an exceptional flooding. Natural Hazards, 2007, 42, 225-236.	1.6	6
39	Aspects aléatoires de l'érosion d'une digue : simulations de la brèche par des algorithmes génétiques. Canadian Journal of Civil Engineering, 2004, 31, 927-942.	0.7	3
40	Prévision par modélisation numérique de la zone de risque bordant un tronçon de rivière subissant une crue exceptionnelle. Canadian Journal of Civil Engineering, 2003, 30, 568-579.	0.7	14