Abdorreza Kabiri-Samani

List of Publications by Year
in descending order

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51 papers	578 citations	759190 12 h-index	677123 22 g-index
51 all docs	51 docs citations	51 times ranked	448 citing authors

#	Article	IF	Citations
1	Discharge coefficients for free and submerged flow over Piano Key weirs. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 114-120.	1.7	97
2	Boundary Shear Stress in Smooth Trapezoidal Open Channel Flows. Journal of Hydraulic Engineering, 2013, 139, 205-212.	1.5	40
3	Clear-water scour around semi-elliptical abutments with armored beds. International Journal of Sediment Research, 2010, 25, 233-245.	3.5	38
4	Discharge coefficient of rectangular sharp-crested side weirs, Part I: Traditional weir equation. Flow Measurement and Instrumentation, 2014, 35, 109-115.	2.0	33
5	Discharge coefficient of rectangular sharp-crested side weirs Part II: DomÃnguez's method. Flow Measurement and Instrumentation, 2014, 35, 116-121.	2.0	32
6	Application of neural networks and fuzzy logic models to long-shore sediment transport. Applied Soft Computing Journal, 2011, 11, 2880-2887.	7.2	30
7	Optimal Reservoir Operation Based on Conjunctive Use of Surface Water and Groundwater Using Neuro-Fuzzy Systems. Water Resources Management, 2013, 27, 4259-4275.	3.9	27
8	Fluctuation of Air-Water Two-Phase Flow in Horizontal and Inclined Water Pipelines. Journal of Fluids Engineering, Transactions of the ASME, 2007, 129, 1-14.	1.5	18
9	Hydraulic behaviour of flow over an oblique weir. Journal of Hydraulic Research/De Recherches Hydrauliques, 2010, 48, 669-673.	1.7	18
10	Flow regimes at grid drop-type dissipators caused by changes in tail-water depth. Journal of Hydraulic Research/De Recherches Hydrauliques, 2018, 56, 505-516.	1.7	17
11	Numerical modeling of flow field around the labyrinth side-weirs in the presence of guide vanes. ISH Journal of Hydraulic Engineering, 2017, 23, 71-79.	2.1	15
12	Swirling flow at vertical shaft spillways with circular piano-key inlets. Journal of Hydraulic Research/De Recherches Hydrauliques, 2017, 55, 248-258.	1.7	15
13	Influence of unsteady flow hydrograph shape on local scouring around bridge pier. Water Management, 2012, 165, 473-480.	1.2	14
14	Flow characteristics of grid drop-type dissipators. Flow Measurement and Instrumentation, 2017, 54, 298-306.	2.0	14
15	Oblique weir equation using incomplete self-similarity. Canadian Journal of Civil Engineering, 2006, 33, 1241-1250.	1.3	13
16	Simulation of free surface flow over the streamlined weirs. Flow Measurement and Instrumentation, 2020, 71, 101680.	2.0	13
17	Numerical analysis of rubber dams using fluidâ€“structure interactions. Flow Measurement and Instrumentation, 2014, 40, 91-98.	2.0	12
18	Investigating the effects of transient flow in concrete-lined pressure tunnels, and developing a new analytical formula for pressure wave velocity. Tunnelling and Underground Space Technology, 2019, 91, 102992.	6.2	12

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19	Overflow characteristics of streamlined weirs based on model experimentation. Flow Measurement and Instrumentation, 2020, 73, 101720.	2.0	12
20	Discharge coefficient of a rectangular labyrinth weir. Water Management, 2013, 166, 443-451.	1.2	11
21	Discharge Coefficient of Circular-Crested Weirs Based on a Combination of Flow around a Cylinder and Circulation. Journal of Irrigation and Drainage Engineering - ASCE, 2014, 140, .	1.0	10
22	Experimental study on reflection coefficient of curved perforated plate. Journal of Marine Science and Application, 2016, 15, 382-387.	1.7	9
23	Experimentalâ€“analytical investigation of super- to subcritical flow transition without a hydraulic jump. Journal of Hydraulic Research/De Recherches Hydrauliques, 2014, 52, 129-136.	1.7	8
24	Scour at bridge piers in uniform and armored beds under steady and unsteady flow conditions using ANN-APSO and ANN-GA algorithms. ISH Journal of Hydraulic Engineering, 2021, 27, 220-228.	2.1	8
25	Discharge Coefficient of Triangular and Asymmetric Labyrinth Side Weirs Using the Nonlinear PLS Method. Journal of Irrigation and Drainage Engineering - ASCE, 2016, 142, 06016010.	1.0	7
26	Scour in the transition from super- to subcritical flow without a hydraulic jump. Journal of Hydraulic Research/De Recherches Hydrauliques, 2017, 55, 470-479.	1.7	6
27	Hydraulic performance of labyrinth side weirs using vanes or piles. Water Management, 2011, 164, 229-241.	1.2	5
28	Turbulent structure in the transition from super- to subcritical flow without a hydraulic jump. Journal of Hydraulic Research/De Recherches Hydrauliques, 2017, 55, 50-62.	1.7	5
29	Flow-induced horizontal and vertical vibration of sluice gates. Water Management, 2018, 171, 152-162.	1.2	5
30	Discharge coefficient of hydrofoil weirs based on potential flow theory around a symmetric Joukowsky hydrofoil. Journal of Hydraulic Research/De Recherches Hydrauliques, 2020, 58, 899-909.	1.7	5
31	Combined APSO-ANN and APSO-ANFIS models for prediction of pressure loss in air-water two-phase slug flow in a horizontal pipeline. Journal of Hydroinformatics, 2021, 23, 88-102.	2.4	4
32	Evaluation of the Secondary Current Parameter and Depth-Averaged Velocity in Curved Compound Open Channels. Journal of Hydraulic Engineering, 2018, 144, 04018059.	1.5	3
33	Hydraulic characteristics of swirling flow at shaft spillways with the marguerite-shaped inlets. Journal of Hydraulic Research/De Recherches Hydrauliques, 2020, , 1-15.	1.7	3
34	Effects of modern marguerite-shaped inlets on hydraulic characteristics of swirling flow in shaft spillways. Water Science and Engineering, 2021, 14, 246-256.	3.2	3
35	Investigations of the Difference in Dam Break Modeling Approaches between 1-D and 2-D Hydrodynamic Model. Applied Mechanics and Materials, 0, 90-93, 2423-2426.	0.2	2
36	Discharge coefficient of subsurface weirs. Water Management, 2014, 167, 187-193.	1.2	2

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37	Water Hammer in a Horizontal Rectangular Conduit Containing Air-Water Two-Phase Slug Flow. Journal of Hydraulic Engineering, 2016, 142, 04015059.	1.5	2
38	Characteristics of flow around a cylindrical pier under a partially submerged bridge deck. Water Management, 2021, 174, 159-172.	1.2	2
39	Boundary Shear Stress Distribution in Curved Compound Open Channels. Journal of Hydraulic Engineering, 2021, 147, .	1.5	2
40	Experimental investigation of flow characteristics over asymmetric Joukowsky hydrofoil weirs for free and submerged flow. Flow Measurement and Instrumentation, 2021, 79, 101938.	2.0	2
41	Numerical modelling of flow field at shaft spillways with circular piano-key inlets. Water Management, 0, , 1-12.	1.2	2
42	Discussion: Triangular labyrinth side weirs with one and two cycles. Water Management, 2016, 169, 111-114.	1.2	1
43	Aspects of super to subcritical flow transition without a jump. Water Management, 2017, 170, 31-41.	1.2	1
44	The Effect of Netting Dissipaters on Increasing the Efficiency of Energy Dissipation in Vertical Drops. Applied Mechanics and Materials, 0, 90-93, 2427-2430.	0.2	0
45	Closure to â€œDischarge coefficient for free and submerged flow over piano key weirâ€•by A.R. KABIRI-SAMANI, and A. JAVAHERI,J. Hydraulic Res. 50(3), 2012, 114â€“120. Journal of Hydraulic Research/De Recherches Hydrauliques, 2012, 50, 643-645.	1.7	0
46	Effect of piano-key shape inlet on critical submergence at a vertical pipe intake. IOP Conference Series: Earth and Environmental Science, 2012, 15, 052029.	0.3	0
47	Closure to â€œDischarge Coefficient of Circular-Crested Weirs Based on a Combination of Flow around a Cylinder and Circulationâ€•by Abdorreza Kabiri-Samani and Sara Bagheri. Journal of Irrigation and Drainage Engineering - ASCE, 2015, 141, 07015007.	1.0	0
48	Experimental parametric study and design of Piano Key Weirs By O. MACHIELS, M. PIROTTON, A. PIERRE, B. DEWALS and S. ERPICUM, J. Hydraulic Res. 52(3), 2014, 326â€“335. Journal of Hydraulic Research/De Recherches Hydrauliques, 2015, 53, 543-545.	1.7	0
49	Discussion of â€œPrediction of Discharge Capacity over Two-Cycle Labyrinth Side Weir Using ANFISâ€•by M. Cihan Aydin and Korhan Kayisli. Journal of Irrigation and Drainage Engineering - ASCE, 2017, 143, 07017008.	1.0	0
50	Closure to â€œWater Hammer in a Horizontal Rectangular Conduit Containing Air-Water Two-Phase Slug Flowâ€•by Amin Eyhavand-Koohzadi, Seyed M. Borghei, and Abdorreza Kabiri-Samani. Journal of Hydraulic Engineering, 2017, 143, 07017010.	1.5	0
51	Experimental modeling of the interaction between waves and submerged flexible mound breakwaters. Proceedings of the Institution of Mechanical Engineers Part M: Journal of Engineering for the Maritime Environment, 2021, 235, 127-141.	0.5	0