

Ali Triki

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Water-hammer control in pressurized-pipe flow using an in-line polymeric short-section. <i>Acta Mechanica</i> , 2016, 227, 777-793.	1.1	53
2	Water-Hammer Control in Pressurized-Pipe Flow Using a Branched Polymeric Penstock. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2017, 8, .	0.9	47
3	Compound technique -based inline design strategy for water-hammer control in steel pressurized-piping systems. <i>International Journal of Pressure Vessels and Piping</i> , 2019, 169, 188-203.	1.2	43
4	Further investigation on water-hammer control inline strategy in water-supply systems. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2018, 67, 30-43.	0.6	40
5	Dual-technique-based inline design strategy for water-hammer control in pressurized pipe flow. <i>Acta Mechanica</i> , 2018, 229, 2019-2039.	1.1	37
6	Further investigation on the water-hammer control branching strategy in pressurized steel-piping systems. <i>International Journal of Pressure Vessels and Piping</i> , 2018, 165, 135-144.	1.2	34
7	Resonance of Free-Surface Waves Provoked by Floodgate Maneuvers. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014, 19, 1124-1130.	0.8	28
8	Further investigation on the resonance of free-surface waves provoked by floodgate maneuvers: Negative surge waves. <i>Ocean Engineering</i> , 2017, 133, 133-141.	1.9	27
9	Investigation on Redesigning Strategies for Water-Hammer Control in Pressurized-Piping Systems. <i>Journal of Pressure Vessel Technology, Transactions of the ASME</i> , 2019, 141, .	0.4	25
10	Multiple-grid finite element solution of the shallow water equations: Water hammer phenomenon. <i>Computers and Fluids</i> , 2014, 90, 65-71.	1.3	23
11	Dual control technique for mitigating water-hammer phenomenon in pressurized steel-piping systems. <i>International Journal of Pressure Vessels and Piping</i> , 2019, 172, 397-413.	1.2	23
12	A Finite Element Solution of the Unidimensional Shallow-Water Equation. <i>Journal of Applied Mechanics, Transactions ASME</i> , 2013, 80, .	1.1	19
13	Assessment of inline technique-based water hammer control strategy in water supply systems. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2019, 68, 562-572.	0.6	16
14	Exploring the performances of the dual technique-based water hammer redesign strategy in water supply systems. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2020, 69, 6-17.	0.6	14
15	Erratum for "Resonance of Free-Surface Waves Provoked by Floodgate Maneuvers" by Ali Triki. <i>Journal of Hydrologic Engineering - ASCE</i> , 2016, 21, .	0.8	12
16	Investigating the branching redesign strategy for surge control in pressurized steel piping systems. <i>International Journal of Pressure Vessels and Piping</i> , 2020, 180, 104044.	1.2	10
17	Alternative Design Strategy for Water-Hammer Control in Pressurized-Pipe Flow. <i>Applied Condition Monitoring</i> , 2019, , 157-165.	0.4	10
18	Comparative assessment of the inline and branching design strategies based on the compound technique. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2021, 70, 155-170.	0.6	10

#	ARTICLE	IF	CITATIONS
19	On the unidirectional free-surface flow behavior in trapezoidal cross-sectional open-channels. <i>Ocean Engineering</i> , 2021, 223, 108656.	1.9	9
20	Investigation of Pump Failure-Induced Waterhammer Waves: A Case Study. <i>Journal of Pressure Vessel Technology</i> , Transactions of the ASME, 2022, 144, .	0.4	9
21	Investigating the Free-Surface Flow Behavior Due to Sluice-Gate Maneuvers. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 405-411.	0.3	9
22	A Finite Element based solver for simulating open-channel transient flows The gradually varied regime. <i>ISH Journal of Hydraulic Engineering</i> , 2022, 28, 103-109.	1.1	8
23	Benchmarking the Dual and Compound Techniques-Based Branching Design Strategy Used for Upgrading of Pressurized Hydraulic Systems. <i>Journal of Pressure Vessel Technology</i> , Transactions of the ASME, 2021, 143, .	0.4	8
24	On the in-series and branching dual-technique - based water-hammer control strategy. <i>Urban Water Journal</i> , 2021, 18, 631-639.	1.0	8
25	The Branching Redesign Technique Used for Upgrading Steel-Pipes-Based Hydraulic Systems: Re-Examined. <i>Journal of Pressure Vessel Technology</i> , Transactions of the ASME, 2021, 143, .	0.4	7
26	On the transient flow behavior in pressurized plastic pipe-based water supply systems. <i>Journal of Water Supply: Research and Technology - AQUA</i> , 2021, 70, 67-76.	0.6	7
27	Numerical investigation towards the improvement of hydraulic-jump prediction in rectangular open-channels. <i>ISH Journal of Hydraulic Engineering</i> , 2022, 28, 135-142.	1.1	6
28	Investigating the unidirectional flow behavior in trapezoidal open-channel. <i>ISH Journal of Hydraulic Engineering</i> , 2022, 28, 385-390.	1.1	6
29	Exploring induced oscillatory free-surface waves in prismatic open-channel. <i>Ocean Engineering</i> , 2021, 236, 109368.	1.9	5
30	Simulation numerique des Åcoulements transitoires Å surface libre provoquÅs par la superposition de manÅuvres de vannes. <i>Houille Blanche</i> , 2010, 96, 71-80.	0.3	3
31	Numerical Solution for One-Dimensional Open-Channel Transient Flow. <i>International Journal of Modelling and Simulation</i> , 2010, 30, 211-217.	2.3	3
32	On the Unidirectional Free-Surface Flow Solution in a Rectangular Open Channel. <i>Applied Condition Monitoring</i> , 2021, , 79-86.	0.4	3
33	On the Numerical Solution of the Rapidly Varied Regime in Open-Channel Flows. <i>Applied Condition Monitoring</i> , 2021, , 87-94.	0.4	3
34	A Multiple-Grid Technique-Based Finite Element Solution of Free-Surface Flows in a Trapezoidal Open Channel. <i>Applied Condition Monitoring</i> , 2021, , 10-18.	0.4	3
35	Water-Hammer Control in Pressurized Pipe Flow Using Dual (LDPE/LDPE) Inline Plastic Sub Short-Sections. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 953-961.	0.3	3
36	Investigating the Removal of Hydraulic Cavitation from Pressurized Steel Piping Systems. <i>Lecture Notes in Mechanical Engineering</i> , 2020, , 92-101.	0.3	3

#	ARTICLE	IF	CITATIONS
37	Investigating the Inline Design Measure in Existing Pressurized Steel Piping Systems. Lecture Notes in Mechanical Engineering, 2020, , 74-82.	0.3	3
38	Résonance des ondes de surface libre provoquée par les manœuvres de vannes. Houille Blanche, 2012, 98, 55-61.	0.3	3
39	Exploring the Performance of the Inline Technique-Based Water-Hammer Design Strategy in Pressurized Steel Pipe Flows. Lecture Notes in Mechanical Engineering, 2020, , 83-91.	0.3	2
40	Assessing the Inline and Branching Techniques in Mitigating Water-Hammer Surge Waves. Lecture Notes in Mechanical Engineering, 2020, , 155-163.	0.3	2
41	Controlling of Steel-Pipe-Based Hydraulic Systems Using Dual In-Series Polymeric Short-Sections. Applied Condition Monitoring, 2021, , 95-104.	0.4	1
42	Transient Comprehensive Modelling Due to Pump Failure. Applied Condition Monitoring, 2021, , 117-124.	0.4	1