

Oscar Enrique Coronado-Hernández

List of Publications by Year in descending order

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28
papers

338
citations

840585

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132
citing authors

#	ARTICLE	IF	CITATIONS
1	A preliminary analysis for selecting the best hydrological probability density functions of annual peak flows associated to various return periods in some rivers of Colombia. <i>Procedia Computer Science</i> , 2022, 198, 560-565.	1.2	0
2	Hydrological Considerations for Sizing of a Barge Discharge Pipeline Runway. <i>Procedia Computer Science</i> , 2022, 198, 554-559.	1.2	0
3	Numerical modelling for analysing drainage in irregular profile pipes using OpenFOAM. <i>Urban Water Journal</i> , 2022, 19, 569-578.	1.0	4
4	Effects of Orifice Sizes for Uncontrolled Filling Processes in Water Pipelines. <i>Water (Switzerland)</i> , 2022, 14, 888.	1.2	9
5	Probabilistic Approach to Determine the Spatial Distribution of the Antecedent Moisture Conditions for Different Return Periods in the Atlántico Region, Colombia. <i>Water (Switzerland)</i> , 2022, 14, 1217.	1.2	0
6	Assessment of Steady and Unsteady Friction Models in the Draining Processes of Hydraulic Installations. <i>Water (Switzerland)</i> , 2021, 13, 1888.	1.2	2
7	Analysis of Sub-Atmospheric Pressures during Emptying of an Irregular Pipeline without an Air Valve Using a 2D CFD Model. <i>Water (Switzerland)</i> , 2021, 13, 2526.	1.2	9
8	2D CFD Modeling of Rapid Water Filling with Air Valves Using OpenFOAM. <i>Water (Switzerland)</i> , 2021, 13, 3104.	1.2	10
9	Closure to "Computational fluid dynamics for sub-atmospheric pressure analysis in pipe drainage" by Mohsen Besharat, Oscar E. Coronado-Hernández, Vicente S. Fuertes-Miquel, Maria Teresa Viseu and Helena Margarida Ramos, <i>J. Hydraulic Res.</i> 58(4), 2020, 553-565, https://doi.org/10.1080/00221686.2019.1625819 . <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2021, 59, 1034-1035.	0.7	1
10	Computational fluid dynamics for sub-atmospheric pressure analysis in pipe drainage. <i>Journal of Hydraulic Research/De Recherches Hydrauliques</i> , 2020, 58, 553-565.	0.7	20
11	A practical methodology of design of off-line reservoirs for reducing maximum water levels in urban channels. <i>Procedia Computer Science</i> , 2020, 175, 441-446.	1.2	0
12	Analysis of hydraulic transients during pipeline filling processes with air valves in large-scale installations. <i>Urban Water Journal</i> , 2020, 17, 568-575.	1.0	9
13	Transient Phenomena Generated in Emptying Operations in Large-Scale Hydraulic Pipelines. <i>Water (Switzerland)</i> , 2020, 12, 2313.	1.2	4
14	Simplified Mathematical Model for Computing Draining Operations in Pipelines of Undulating Profiles with Vacuum Air Valves. <i>Water (Switzerland)</i> , 2020, 12, 2544.	1.2	2
15	Closure to "Rigid Water Column Model for Simulating the Emptying Process in a Pipeline Using Pressurized Air" by Oscar E. Coronado-Hernández, Vicente S. Fuertes-Miquel, Pedro L. Iglesias-Rey, and Francisco J. Martínez-Solano. <i>Journal of Hydraulic Engineering</i> , 2020, 146, 07020002.	0.7	1
16	Quasi-static Flow Model for Predicting the Extreme Values of Air Pocket Pressure in Draining and Filling Operations in Single Water Installations. <i>Water (Switzerland)</i> , 2020, 12, 664.	1.2	5
17	Selection of Hydrological Probability Distributions for Extreme Rainfall Events in the Regions of Colombia. <i>Water (Switzerland)</i> , 2020, 12, 1397.	1.2	26
18	Maniobras de llenado y vaciado en grandes conducciones. Aplicación a una tubería de fundición DN400 en Massamagrell (Valencia, España). <i>Ingeniería Del Agua</i> , 2020, 24, 15.	0.2	0

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19	Transient phenomena during the emptying process of a single pipe with water-air interaction. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 318-326.	0.7	38
20	Hydraulic modeling during filling and emptying processes in pressurized pipelines: a literature review. Urban Water Journal, 2019, 16, 299-311.	1.0	40
21	Effect of a Commercial Air Valve on the Rapid Filling of a Single Pipeline: a Numerical and Experimental Analysis. Water (Switzerland), 2019, 11, 1814.	1.2	17
22	Isohyetal Maps of Daily Maximum Rainfall for Different Return Periods for the Colombian Caribbean Region. Water (Switzerland), 2019, 11, 358.	1.2	18
23	Rigid Water Column Model for Simulating the Emptying Process in a Pipeline Using Pressurized Air. Journal of Hydraulic Engineering, 2018, 144, .	0.7	20
24	Backflow air and pressure analysis in emptying a pipeline containing an entrapped air pocket. Urban Water Journal, 2018, 15, 769-779.	1.0	22
25	Effect of the Non-Stationarity of Rainfall Events on the Design of Hydraulic Structures for Runoff Management and Its Applications to a Case Study at Gordo Creek Watershed in Cartagena de Indias, Colombia. Fluids, 2018, 3, 27.	0.8	12
26	Emptying Operation of Water Supply Networks. Water (Switzerland), 2018, 10, 22.	1.2	8
27	Subatmospheric pressure in a water draining pipeline with an air pocket. Urban Water Journal, 2018, 15, 346-352.	1.0	22
28	Experimental and Numerical Analysis of a Water Emptying Pipeline Using Different Air Valves. Water (Switzerland), 2017, 9, 98.	1.2	39