Oscar Enrique Coronado-HernÃ¡ndez

List of Publications by Year
in descending order

28 papers	338 citations	840585 11 h-index	839398 18 g-index
28 all docs	28 docs citations	28 times ranked	132 citing authors

#	Article	IF	Citations
1	Hydraulic modeling during filling and emptying processes in pressurized pipelines: a literature review. Urban Water Journal, 2019, 16, 299-311.	1.0	40
2	Experimental and Numerical Analysis of a Water Emptying Pipeline Using Different Air Valves. Water (Switzerland), 2017, 9, 98.	1.2	39
3	Transient phenomena during the emptying process of a single pipe with waterâ€“air interaction. Journal of Hydraulic Research/De Recherches Hydrauliques, 2019, 57, 318-326.	0.7	38
4	Selection of Hydrological Probability Distributions for Extreme Rainfall Events in the Regions of Colombia. Water (Switzerland), 2020, 12, 1397.	1.2	26
5	Backflow air and pressure analysis in emptying a pipeline containing an entrapped air pocket. Urban Water Journal, 2018, 15, 769-779.	1.0	22
6	Subatmospheric pressure in a water draining pipeline with an air pocket. Urban Water Journal, 2018, 15, 346-352.	1.0	22
7	Rigid Water Column Model for Simulating the Emptying Process in a Pipeline Using Pressurized Air. Journal of Hydraulic Engineering, 2018, 144, .	0.7	20
8	Computational fluid dynamics for sub-atmospheric pressure analysis in pipe drainage. Journal of Hydraulic Research/De Recherches Hydrauliques, 2020, 58, 553-565.	0.7	20
9	Isohyetal Maps of Daily Maximum Rainfall for Different Return Periods for the Colombian Caribbean Region. Water (Switzerland), 2019, 11, 358.	1.2	18
10	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
11	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
12	2D CFD Modeling of Rapid Water Filling with Air Valves Using OpenFOAM. Water (Switzerland), 2021, 13, 3104.	1.2	10
13	Analysis of hydraulic transients during pipeline filling processes with air valves in large-scale installations. Urban Water Journal, 2020, 17, 568-575.	1.0	9
14	Analysis of Sub-Atmospheric Pressures during Emptying of an Irregular Pipeline without an Air Valve Using a 2D CFD Model. Water (Switzerland), 2021, 13, 2526.	1.2	9
15	Effects of Orifice Sizes for Uncontrolled Filling Processes in Water Pipelines. Water (Switzerland), 2022, 14, 888.	1.2	9
16	Emptying Operation of Water Supply Networks. Water (Switzerland), 2018, 10, 22.	1.2	8
17	Quasi-static Flow Model for Predicting the Extreme Values of Air Pocket Pressure in Draining and Filling Operations in Single Water Installations. Water (Switzerland), 2020, 12, 664.	1.2	5
18	Transient Phenomena Generated in Emptying Operations in Large-Scale Hydraulic Pipelines. Water (Switzerland), 2020, 12, 2313.	1.2	4

#	Article	IF	Citations
19	Numerical modelling for analysing drainage in irregular profile pipes using OpenFOAM. Urban Water Journal, 2022, 19, 569-578.	1.0	4
20	Simplified Mathematical Model for Computing Draining Operations in Pipelines of Undulating Profiles with Vacuum Air Valves. Water (Switzerland), 2020, 12, 2544.	1.2	2
21	Assessment of Steady and Unsteady Friction Models in the Draining Processes of Hydraulic Installations. Water (Switzerland), 2021, 13, 1888.	1.2	2
22	Closure to â€œRigid Water Column Model for Simulating the Emptying Process in a Pipeline Using Pressurized Airâ€•by Oscar E. Coronado-HernÃ¡ndez, Vicente S. Fuertes-Miquel, Pedro L. Iglesias-Rey, and Francisco J. MartÃnez-Solano. Journal of Hydraulic Engineering, 2020, 146, 07020002.	0.7	1
23	Closure to â€œComputational fluid dynamics for sub-atmospheric pressure analysis in pipe drainageâ€•by Mohsen Besharat, Ã“scar E. Coronado-HernÃ¡ndez, Vicente S. Fuertes-Miquel, Maria Teresa Viseu and Helena Margarida Ramos, J. Hydraulic Res. 58(4), 2020, 553â€“565, https://doi.org/10.1080/00221686.2019.1625819. Journal of Hydraulic Research/De Recherches Hydrauliques, 2021, 59, 1034-1035.	0.7	1
24	A practical methodology of design of off-line reservoirs for reducing maximum water levels in urban channels. Procedia Computer Science, 2020, 175, 441-446.	1.2	0
25	Maniobras de llenado y vaciado en grandes conducciones. AplicaciÃ³n a una tuberÃa de fundiciÃ³n DN400 en Massamagrell (Valencia, EspaÃ±a). IngenierÃa Del Agua, 2020, 24, 15.	0.2	0
26	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. Procedia Computer Science, 2022, 198, 560-565.	1.2	0
27	Hydrological Considerations for Sizing of a Barge Discharge Pipeline Runway. Procedia Computer Science, 2022, 198, 554-559.	1.2	0
28	Probabilistic Approach to Determine the Spatial Distribution of the Antecedent Moisture Conditions for Different Return Periods in the AtlÃ¡ntico Region, Colombia. Water (Switzerland), 2022, 14, 1217.	1.2	0