Georgiana Dunca

List of Publications by Year
in descending order

29	102	1874746 5	1762888 8
papers	citations	h-index	g-index

29	29	29	50
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rural water distribution system with groundwater supply and water tower: Numerical modelling in EPANET 2.2. IOP Conference Series: Earth and Environmental Science, 2021, 664, 012040.	0.2	1
2	Hydraulic Turbine Performance Assessment with Implementation of an Innovative Aeration System. Water (Switzerland), 2021, 13, 2459.	1.2	5
3	Numerical Simulation of Vortex Breakdown with Code Saturne. , 2021, , .		0
4	Design and Numerical Investigation of a Small Axial Hydrokinetic Turbine. , 2021, , .		4
5	Wall-Model for Turbulent Flows Under an Adverse Pressure Gradient - Asymmetric Diffuser. , 2021, , .		0
6	Energy production assessment in a complex hydropower development. Journal of Hydroinformatics, 2020, 22, 725-737.	1.1	1
7	Numerical Simulation of the Flow in a Kaplan Turbine Model during Transient Operation from the Best Efficiency Point to Part Load. Energies, 2020, 13, 3129.	1.6	10
8	Cavitation Influence on the Operation of a Pumping Station Rig with Variable Speed Pumps. , 2019, , .		0
9	Efficiency Evaluation and Vibration Analysis of Small Pelton Turbines. , 2019, , .		2
10	Numerical Simulation of the Rotating Vortex Rope with Code_Saturne. , 2019, , .		1
11	Study on the Accuracy of RANS Modelling of the Turbulent Flow Developed in a Kaplan Turbine Operated at BEP. Part 2 - Pressure Fluctuations. Journal of Applied Fluid Mechanics, 2019, 12, 1463-1473.	0.4	3
12	Aeration process influence over the operation of a small hydro turbine - generator unit. , 2017, , .		4
13	Experimental versus EPANET Simulation of Variable Speed Driven Pumps Operation. Energy Procedia, 2017, 112, 100-107.	1.8	3
14	Hydraulic balancing of the cooling water system of a pumped storage power plant. , 2017, , .		2
15	Maximum Pressure Evaluation during Expulsion of Entrapped Air from Pressurized Pipelines. Journal of Applied Fluid Mechanics, 2017, 10, 11-20.	0.4	6
16	EXPERIMENTAL SETUP FOR THE STUDY OF NEW AERATION DEVICES IN HYDRAULIC TURBINES. Environmental Engineering and Management Journal, 2017, 16, 1033-1040.	0.2	2
17	EFFICIENT CHLORINATION SCHEDULE FOR A WATER DISTRIBUTION NETWORK WITH MULTIPLE PUMPING STATIONS. Environmental Engineering and Management Journal, 2017, 16, 1071-1079.	0.2	1
18	Cavitating vortex characterization based on acoustic signal detection. IOP Conference Series: Earth and Environmental Science, 2016, 49, 082009.	0.2	2

#	Article	IF	Citations
19	Numerical Simulation of the Cooling Water System of a 115 MW Hydro-Power Plant. Energy Procedia, 2016, 85, 228-234.	1.8	6
20	On the Use of the Water Hammer Equations with Time Dependent Friction during a Valve Closure, for Discharge Estimation. Journal of Applied Fluid Mechanics, 2016, 9, 2427-2434.	0.4	9
21	Numerical Model of A Medium-Sized Municipal Water Distribution System Located in Romania. Procedia Engineering, 2015, 119, 660-668.	1.2	10
22	Discharge evaluation from pressure measurements by a genetic algorithm based method. Flow Measurement and Instrumentation, 2015, 45, 49-55.	1.0	5
23	Water hammer effect characterization using an acoustic signal processing approach. , 2015, , .		6
24	On the vortex parameter estimation using wide band signals in active acoustic system. , 2014, , .		0
25	Aeration solution of water used by hydraulic turbines to respect the environmental policies. , 2014, , .		2
26	Simultaneous transient operation of a high head hydro power plant and a storage pumping station in the same hydraulic scheme. IOP Conference Series: Earth and Environmental Science, 2014, 22, 042015.	0.2	7
27	Detection of cavitation vortex in hydraulic turbines using acoustic techniques. IOP Conference Series: Earth and Environmental Science, 2014, 22, 052007.	0.2	3
28	Experimental vibration level analysis of a Francis turbine. IOP Conference Series: Earth and Environmental Science, 2012, 15, 062056.	0.2	5
29	Analysis of the flow field into a two stages and double entry storage pump taking into account two geometries of stator blades. IOP Conference Series: Earth and Environmental Science, 2010, 12, 012016.	0.2	2