Maurizio Righetti

List of Publications by Year
in descending order

35	668	567144 15	580701 25
papers	citations	h-index	g-index

36	36	36	724
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flow analysis in a channel with flexible vegetation using double-averaging method. Acta Geophysica, 2008, 56, 801-823.	1.0	77
2	May the Shields theory be extended to cohesive and adhesive benthic sediments?. Journal of Geophysical Research, 2007, 112, .	3.3	70
3	The pernicious problem of streambed colmation: a multiâ€disciplinary reflection on the mechanisms, causes, impacts, and management challenges. Wiley Interdisciplinary Reviews: Water, 2017, 4, e1231.	2.8	70
4	On the structure of turbulent gravel bed flow: Implications for sediment transport. Advances in Water Resources, 2016, 92, 90-104.	1.7	40
5	Satellite multispectral data for improved floodplain roughness modelling. Journal of Hydrology, 2011, 407, 41-57.	2.3	39
6	Uniformly Distributed Demand EPANET Extension. Water Resources Management, 2018, 32, 2165-2180.	1.9	30
7	Hydropeaking mitigation project on a multi-purpose hydro-scheme on Valsura River in South Tyrol/Italy. Science of the Total Environment, 2017, 574, 642-653.	3.9	29
8	The role of 3D-hydraulics in habitat modelling of hydropeaking events. Science of the Total Environment, 2017, 575, 219-230.	3.9	24
9	Graph Convolutional Recurrent Neural Networks for Water Demand Forecasting. Water Resources Research, 2022, 58, .	1.7	24
10	A USLE-based model with modified LS-factor combined with sediment delivery module for Alpine basins. Catena, 2021, 207, 105655.	2.2	23
11	Calibration Procedure for Water Distribution Systems: Comparison among Hydraulic Models. Water (Switzerland), 2020, 12, 1421.	1.2	21
12	An alternative SPH formulation: ADER-WENO-SPH. Computer Methods in Applied Mechanics and Engineering, 2021, 382, 113871.	3.4	20
13	Resuspension phenomena of benthic sediments: The role of cohesion and biological adhesion. River Research and Applications, 2010, 26, 404-413.	0.7	19
14	The extension of EPANET source code to simulate unsteady flow in water distribution networks with variable head tanks. Journal of Hydroinformatics, 2012, 14, 960-973.	1.1	17
15	Design criteria for a type of asymmetric orifice in a surge tank using CFD. Engineering Applications of Computational Fluid Mechanics, 2018, 12, 397-410.	1.5	16
16	Burst Detection in Water Distribution Systems: The Issue of Dataset Collection. Applied Sciences (Switzerland), 2020, 10, 8219.	1.3	16
17	An Ensemble Neural Network Model to Forecast Drinking Water Consumption. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	1.3	16
18	A procedure for human safety assessment during hydropeaking events. Science of the Total Environment, 2019, 661, 294-305.	3.9	13

#	Article	IF	Citations
19	Optimal Selection and Monitoring of Nodes Aimed at Supporting Leakages Identification in WDS. Water (Switzerland), 2019, 11, 629.	1.2	13
20	Tuning ANN Hyperparameters for Forecasting Drinking Water Demand. Applied Sciences (Switzerland), 2021, 11, 4290.	1.3	13
21	Towards a High Order Convergent ALE-SPH Scheme with Efficient WENO Spatial Reconstruction. Water (Switzerland), 2021, 13, 2432.	1.2	10
22	The effects of a sediment flushing on Alpine macroinvertebrate communities. Hydrobiologia, 2021, 848, 3921-3941.	1.0	9
23	Evaluation criteria for velocity distributions in front of bulb hydro turbines. Renewable Energy, 2018, 121, 745-756.	4.3	7
24	Joint and conditional dependence modelling of peak district heating demand and outdoor temperature: a copula-based approach. Statistical Methods and Applications, 2020, 29, 373-395.	0.7	7
25	EPANET in QGIS framework: the QEPANET plugin. Journal of Water Supply: Research and Technology - AQUA, 2020, 69, 1-5.	0.6	7
26	Modelling fish habitat influenced by sediment flushing operations from an Alpine reservoir. Ecological Engineering, 2021, 173, 106439.	1.6	7
27	An efficient numerical scheme for the thermo-hydraulic simulations of thermal grids. International Journal of Heat and Mass Transfer, 2020, 161, 120304.	2.5	6
28	Forecasting soil erosion and sediment yields during flash floods: The disastrous case of Mandra, Greece, 2017. Earth Surface Processes and Landforms, 2022, 47, 1744-1760.	1.2	6
29	Calibration of Water Leakages and Valve Setting in a Real Water Supply System. Environmental Sciences Proceedings, 2020, 2, .	0.3	4
30	A New Mass-Conservative, Two-Dimensional, Semi-Implicit Numerical Scheme for the Solution of the Navier-Stokes Equations in Gravel Bed Rivers with Erodible Fine Sediments. Water (Switzerland), 2020, 12, 690.	1.2	4
31	Stochastic Generation of District Heat Load. Energies, 2021, 14, 5344.	1.6	3
32	Analysing the relationship between district heating demand and weather conditions through conditional mixture copula. Environmental and Ecological Statistics, 2021, 28, 53-72.	1.9	3
33	New Conceptual Framework for the Erosion of Fine Sediment from a Gravel Matrix Based on Experimental Analysis. Journal of Hydraulic Engineering, 2020, 146, .	0.7	2
34	Turbulent jet through porous obstructions under Coriolis effect: an experimental investigation. Experiments in Fluids, 2021, 62, 1.	1.1	2
35	A mass-conservative semi-implicit volume of fluid method for the Navierâ€“Stokes equations with high order semi-Lagrangian advection scheme. Computers and Fluids, 2022, 240, 105443.	1.3	1