

Matteo Rubinato

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6437332/publications.pdf>

Version: 2024-02-01

41
papers

703
citations

687220

13
h-index

580701

25
g-index

41
all docs

41
docs citations

41
times ranked

527
citing authors

#	ARTICLE	IF	CITATIONS
1	Urban and river flooding: Comparison of flood risk management approaches in the UK and China and an assessment of future knowledge needs. <i>Water Science and Engineering</i> , 2019, 12, 274-283.	1.4	83
2	SuDS & Sponge Cities: A Comparative Analysis of the Implementation of Pluvial Flood Management in the UK and China. <i>Sustainability</i> , 2019, 11, 213.	1.6	76
3	Experimental calibration and validation of sewer/surface flow exchange equations in steady and unsteady flow conditions. <i>Journal of Hydrology</i> , 2017, 552, 421-432.	2.3	64
4	Surface to sewer flow exchange through circular inlets during urban flood conditions. <i>Journal of Hydroinformatics</i> , 2018, 20, 564-576.	1.1	43
5	On the Characteristics of Velocities Fields in the Vicinity of Manhole Inlet Grates During Flood Events. <i>Water Resources Research</i> , 2018, 54, 6408-6422.	1.7	37
6	Comparison between InfoWorks hydraulic results and a physical model of an urban drainage system. <i>Water Science and Technology</i> , 2013, 68, 372-379.	1.2	32
7	Impact of Multiple Vegetation Covers on Surface Runoff and Sediment Yield in the Small Basin of Nverzhai, Hunan Province, China. <i>Forests</i> , 2020, 11, 329.	0.9	29
8	Validation of 2D shock capturing flood models around a surcharging manhole. <i>Urban Water Journal</i> , 2017, 14, 892-899.	1.0	25
9	Quantification of energy losses at a surcharging manhole. <i>Urban Water Journal</i> , 2018, 15, 234-241.	1.0	23
10	Analysis of Long-Term Water Level Variations in Qinghai Lake in China. <i>Water (Switzerland)</i> , 2019, 11, 2136.	1.2	20
11	A comparative study of manhole hydraulics using stereoscopic PIV and different RANS models. <i>Water Science and Technology</i> , 2018, 2017, 87-98.	1.2	18
12	CFD Modelling of the Transport of Soluble Pollutants from Sewer Networks to Surface Flows during Urban Flood Events. <i>Water (Switzerland)</i> , 2020, 12, 2514.	1.2	17
13	Exchange between drainage systems and surface flows during urban flooding: Quasi-steady and dynamic modelling in unsteady flow conditions. <i>Journal of Hydrology</i> , 2021, 602, 126628.	2.3	16
14	Living with Urban Flooding: A Continuous Learning Process for Local Municipalities and Lessons Learnt from the 2021 Events in Germany. <i>Water (Switzerland)</i> , 2021, 13, 2769.	1.2	15
15	Advances in Modelling and Prediction on the Impact of Human Activities and Extreme Events on Environments. <i>Water (Switzerland)</i> , 2020, 12, 1768.	1.2	14
16	Collapsing Mechanisms of the Typical Cohesive Riverbank along the Ningxiaâ€™Inner Mongolia Catchment. <i>Water (Switzerland)</i> , 2018, 10, 1272.	1.2	13
17	Cost effective measuring technique to simultaneously quantify 2D velocity fields and depth-averaged solute concentrations in shallow water flows. <i>Flow Measurement and Instrumentation</i> , 2018, 64, 213-223.	1.0	12
18	An Experimental Study on Mechanisms for Sediment Transformation Due to Riverbank Collapse. <i>Water (Switzerland)</i> , 2019, 11, 529.	1.2	12

#	ARTICLE	IF	CITATIONS
19	A New Parallel Framework of SPH-SWE for Dam Break Simulation Based on OpenMP. <i>Water</i> (Switzerland), 2020, 12, 1395.	1.2	12
20	An Assessment of Soil's Nutrient Deficiencies and Their Influence on the Restoration of Degraded Karst Vegetation in Southwest China. <i>Forests</i> , 2020, 11, 797.	0.9	11
21	Protecting Coastlines from Flooding in a Changing Climate: A Preliminary Experimental Study to Investigate a Sustainable Approach. <i>Water</i> (Switzerland), 2020, 12, 2471.	1.2	11
22	Impact of Light Screening and Photosensitization by Surface Water Organic Matter on <i>Enterococcus Faecalis</i> Inactivation. <i>Environmental Engineering Science</i> , 2016, 33, 365-373.	0.8	10
23	Flow exchange, energy losses and pollutant transport in a surcharging manhole linked to street profiles. <i>Journal of Hydrology</i> , 2022, 604, 127201.	2.3	10
24	Experimental investigation of freak wave actions on a floating platform and effects of the air gap. <i>Ocean Engineering</i> , 2022, 253, 111192.	1.9	10
25	SPH Simulation of Interior and Exterior Flow Field Characteristics of Porous Media. <i>Water</i> (Switzerland), 2020, 12, 918.	1.2	9
26	An Experimental Investigation of Turbulence Features Induced by Typical Artificial M-Shaped Unit Reefs. <i>Applied Sciences</i> (Switzerland), 2021, 11, 1393.	1.3	9
27	Numerical Simulation of Non-Homogeneous Viscous Debris-Flows Based on the Smoothed Particle Hydrodynamics (SPH) Method. <i>Water</i> (Switzerland), 2019, 11, 2314.	1.2	8
28	Numerical Modeling of Debris Flows Induced by Dam-Break Using the Smoothed Particle Hydrodynamics (SPH) Method. <i>Applied Sciences</i> (Switzerland), 2020, 10, 2954.	1.3	8
29	Modelling the Hydrological Effects of Woodland Planting on Infiltration and Peak Discharge Using HEC-HMS. <i>Water</i> (Switzerland), 2021, 13, 3039.	1.2	7
30	Preliminary Characterization of Underground Hydrological Processes under Multiple Rainfall Conditions and Rocky Desertification Degrees in Karst Regions of Southwest China. <i>Water</i> (Switzerland), 2020, 12, 594.	1.2	6
31	Assessing the Performance of LISFLOOD-FP and SWMM for a Small Watershed with Scarce Data Availability. <i>Water</i> (Switzerland), 2022, 14, 748.	1.2	6
32	Hydrodynamic Characteristics of the Formation Processes for Non-Homogeneous Debris-Flow. <i>Water</i> (Switzerland), 2018, 10, 452.	1.2	5
33	Optimal Use of Titanium Dioxide Colourant to Enable Water Surfaces to Be Measured by Kinect Sensors. <i>Sensors</i> , 2020, 20, 3507.	2.1	5
34	The Hydrodynamic Characteristics Induced by Multiple Layouts of Typical Artificial M-Type Reefs with Sea Currents Typical of Liaodong Bay, Bohai Sea. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 1155.	1.2	5
35	Experimental Optimization of Gate-Opening Modes to Minimize Near-Field Vibrations in Hydropower Stations. <i>Water</i> (Switzerland), 2018, 10, 1435.	1.2	4
36	Numerical and experimental analysis of shallow turbulent flow over complex roughness beds. <i>International Journal of Computational Fluid Dynamics</i> , 2019, 33, 202-221.	0.5	4

#	ARTICLE	IF	CITATIONS
37	An Experimental Investigation of the Hydraulics and Pollutant Dispersion Characteristics of a Model Beaver Dam. <i>Water (Switzerland)</i> , 2020, 12, 2320.	1.2	4
38	Advances in experimental modelling of urban flooding. , 2021, , 235-257.		3
39	An improved meshfree scheme based on radial basis functions for solving incompressible Navier-Stokes equations. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2842-2862.	0.9	3
40	Are Secondary Disinfectants Performing as Intended?. <i>Journal - American Water Works Association</i> , 2019, 111, 38-43.	0.2	2
41	The Impact of Tree Planting on Infiltration Dependent on Tree Proximity and Maturity at a Clay Site in Warwickshire, England. <i>Water (Switzerland)</i> , 2022, 14, 892.	1.2	2