

# Sauro Manenti

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

483  
citations

759233

12  
h-index

677142

22  
g-index

30  
all docs

30  
docs citations

30  
times ranked

441  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Techniques for Maintaining Adequate Disinfectant Residuals in a Full-Scale Water Distribution Network. <i>Water (Switzerland)</i> , 2022, 14, 1029.	2.7	4
2	Understanding the Influence of Diverse Non-Volatile Media on Rheological Properties of Thermophilic Biological Sludge and Evaluation of Its Thixotropic Behaviour. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 5198.	2.5	3
3	SPH Modelling of Dam-break Floods, with Damage Assessment to Electrical Substations. <i>International Journal of Computational Fluid Dynamics</i> , 2021, 35, 3-21.	1.2	13
4	Closure to "Analytical Methodology for the Discharge-Stage Relation of Flexible Shape Palmer-Bowlus Flumes" by Sara Todeschini, Sauro Manenti, Francesco Volponi, and Carlo Ciaponi. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2021, 147, 07021004.	1.0	0
5	Post-Failure Dynamics of Rainfall-Induced Landslide in OltrepÃ² Pavese. <i>Water (Switzerland)</i> , 2020, 12, 2555.	2.7	8
6	Computational Methods and Applications to Simulate Water-Related Natural Hazards. <i>Mathematical Problems in Engineering</i> , 2020, 2020, 1-3.	1.1	2
7	Identification and Localization of Hydrodynamic Anomalies in a Real Wastewater Treatment Plant by an Integrated Approach: RTD-CFD Analysis. <i>Environmental Processes</i> , 2020, 7, 563-578.	3.5	14
8	SPHERA v.9.0.0: A Computational Fluid Dynamics research code, based on the Smoothed Particle Hydrodynamics mesh-less method. <i>Computer Physics Communications</i> , 2020, 250, 107157.	7.5	40
9	Smoothed Particle Hydrodynamics multiphase modelling of an experimental microfluidic device for conformal coating of pancreatic islets. <i>Medical Engineering and Physics</i> , 2020, 77, 19-30.	1.7	4
10	Analytical Methodology for the Discharge-Stage Relation of Flexible Shape Palmer-Bowlus Flumes. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2020, 146, .	1.0	2
11	Treatment of aqueous wastes by means of Thermophilic Aerobic Membrane Reactor (TAMR) and nanofiltration (NF): process auditing of a full-scale plant. <i>Environmental Monitoring and Assessment</i> , 2019, 191, 708.	2.7	13
12	SPH Modeling of Water-Related Natural Hazards. <i>Water (Switzerland)</i> , 2019, 11, 1875.	2.7	31
13	Testing an innovative first flush identification methodology against field data from an Italian catchment. <i>Journal of Environmental Management</i> , 2019, 246, 418-425.	7.8	21
14	Hydrodynamic coefficients of yawed cylinders in open-channel flow. <i>Flow Measurement and Instrumentation</i> , 2019, 65, 288-296.	2.0	19
15	Integrated RTD-CFD Hydrodynamic Analysis for Performance Assessment of Activated Sludge Reactors. <i>Environmental Processes</i> , 2018, 5, 23-42.	3.5	14
16	Standard WCSPH for Free-Surface Multi-Phase Flows with a Large Density Ratio. <i>International Journal of Ocean and Coastal Engineering</i> , 2018, 01, 1840001.	1.2	5
17	WCSPH with Limiting Viscosity for Modeling Landslide Hazard at the Slopes of Artificial Reservoir. <i>Water (Switzerland)</i> , 2018, 10, 515.	2.7	30
18	Rheology and Microbiology of Sludge from a Thermophilic Aerobic Membrane Reactor. <i>Journal of Chemistry</i> , 2017, 2017, 1-19.	1.9	9

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19	Vajont Disaster: Smoothed Particle Hydrodynamics Modeling of the Postevent 2D Experiments. Journal of Hydraulic Engineering, 2016, 142, .	1.5	38
20	SPH Based Approach toward the Simulation of Non-cohesive Sediment Removal by an Innovative Technique Using a Controlled Sequence of Underwater Micro-explosions. Procedia IUTAM, 2015, 18, 28-39.	1.2	8
21	SPH Simulation of Sediment Flushing Induced by a Rapid Water Flow. Journal of Hydraulic Engineering, 2012, 138, 272-284.	1.5	101
22	Innovative numerical modeling to investigate local scouring problems induced by fluvial structures. Bridge Maintenance, Safety and Management, 2012, , 3110-3116.	0.1	4
23	SPH Modeling of Solid Boundaries Through a Semi-Analytic Approach. Engineering Applications of Computational Fluid Mechanics, 2011, 5, 1-15.	3.1	56
24	Wind-Wave Hindcasting on Offshore Wind Turbine through Coupled Atmospheric and Spectral Models. , 2010, , .		0
25	Structural Design and Analysis of Offshore Wind Turbines from a System Point of View. Wind Engineering, 2010, 34, 85-107.	1.9	28
26	Dynamic Analysis of an Offshore Wind Turbine: Wind-Waves Nonlinear Interaction. , 2010, , .		4
27	Fuzzy reliability assessment of bridge piers in presence of scouring. Bridge Maintenance, Safety and Management, 2010, , 285-285.	0.1	8
28	Study of Relative Roles of Nonlinearity and Depth Refraction in Wave Spectrum Evolution in Shallow Water. Engineering Applications of Computational Fluid Mechanics, 2009, 3, 42-55.	3.1	4
29	Offshore wind turbines: Basis of Structural Design. , 0, , .		0
30	Evaluation of Wave Damage in Urbanized Lagoons. , 0, , .		0