Diego Avesani

List of Publications by Year
in descending order

15 papers	342 citations	687220 13 h-index	996849 15 g-index
18 all docs	18 docs citations	18 times ranked	252 citing authors

#	Article	IF	Citations
1	Short-term hydropower optimization driven by innovative time-adapting econometric model. Applied Energy, 2022, 310, 118510.	5.1	25
2	A dual-layer MPI continuous large-scale hydrological model including Human Systems. Environmental Modelling and Software, 2021, 139, 105003.	1.9	24
3	An alternative SPH formulation: ADER-WENO-SPH. Computer Methods in Applied Mechanics and Engineering, 2021, 382, 113871.	3.4	20
4	Reducing hydrological modelling uncertainty by using MODIS snow cover data and a topography-based distribution function snowmelt model. Journal of Hydrology, 2021, 599, 126020.	2.3	33
5	Towards a High Order Convergent ALE-SPH Scheme with Efficient WENO Spatial Reconstruction. Water (Switzerland), 2021, 13, 2432.	1.2	10
6	Detailed simulation of storage hydropower systems in large Alpine watersheds. Journal of Hydrology, 2021, 603, 127125.	2.3	24
7	Burst Detection in Water Distribution Systems: The Issue of Dataset Collection. Applied Sciences (Switzerland), 2020, 10, 8219.	1.3	16
8	Impact of Geology on Seasonal Hydrological Predictability in Alpine Regions by a Sensitivity Analysis Framework. Water (Switzerland), 2020, 12, 2255.	1.2	13
9	Comparison of MODIS and Model-Derived Snow-Covered Areas: Impact of Land Use and Solar Illumination Conditions. Geosciences (Switzerland), 2020, 10, 134.	1.0	18
10	Global Gradient Algorithm Extension to Distributed Pressure Driven Pipe Demand Model. Water Resources Management, 2019, 33, 1717-1736.	1.9	15
11	Uniformly Distributed Demand EPANET Extension. Water Resources Management, 2018, 32, 2165-2180.	1.9	30
12	An alternative smooth particle hydrodynamics formulation to simulate chemotaxis in porous media. Journal of Mathematical Biology, 2017, 74, 1037-1058.	0.8	15
13	Smooth Particle Hydrodynamics with nonlinear Moving-Least-Squares WENO reconstruction to model anisotropic dispersion in porous media. Advances in Water Resources, 2015, 80, 43-59.	1.7	19
14	A new class of Moving-Least-Squares WENO–SPH schemes. Journal of Computational Physics, 2014, 270, 278-299.	1.9	63
15	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