

Stefano Barontini

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

266
citations

7
h-index

16
g-index

37
ext. papers

306
ext. citations

3.4
avg, IF

3.16
L-index

#	Paper	IF	Citations
27	Scale dynamics of extensive green roofs: Quantifying the effect of drainage area and rainfall characteristics on observed and modeled green roof hydrologic performance. <i>Ecological Engineering</i> , 2014 , 73, 494-508	3.9	69
26	Flooding Hazard Mapping in Floodplain Areas Affected by Piping Breaches in the Po River, Italy. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 717-731	1.8	48
25	Sensitivity of the multiannual thermal dynamics of a deep pre-alpine lake to climatic change. <i>Hydrological Processes</i> , 2015 , 29, 767-779	3.3	40
24	A Computational Intelligence-Based Genetic Programming Approach for the Simulation of Soil Water Retention Curves. <i>Transport in Porous Media</i> , 2014 , 103, 497-513	3.1	33
23	Water dynamics in a gradually nonhomogeneous soil described by the linearized Richards equation. <i>Water Resources Research</i> , 2007 , 43,	5.4	13
22	Innovative Probabilistic Methodology for Evaluating the Reliability of Discrete Levee Reaches Owing to Piping. <i>Journal of Hydrologic Engineering - ASCE</i> , 2015 , 20, 04014067	1.8	12
21	Profiles and species of Mn, Fe and trace metals in soils near a ferromanganese plant in Bagnolo Mella (Brescia, IT). <i>Science of the Total Environment</i> , 2021 , 755, 143123	10.2	7
20	Assessment of the Water Balance in an Alpine Climate: Setup of a Micrometeorological Station and Preliminary Results. <i>Procedia Environmental Sciences</i> , 2013 , 19, 275-284		6
19	Effects of Anisotropy of Preferential flow on the Hydrology and Stability of Landslides. <i>Procedia Earth and Planetary Science</i> , 2016 , 16, 204-214		6
18	Bridging Mediterranean cultures in the International Year of Soils 2015: a documentary exhibition on irrigation techniques in water scarcity conditions 2017 , 48, 789-801		4
17	Lake Garda lemon houses (Italy): Opportunities of a sensitive, marginal area in urban planning. <i>Change and Adaptation in Socio-Ecological Systems</i> , 2017 , 3,	1.3	4
16	Saturated Hydraulic Conductivity and Water Retention Relationships for Alpine Mountain Soils 2006 , 101-121		4
15	A parametrization of a steady periodic solution of the Fourier equation to model soil temperature dynamics. <i>Journal of Geophysical Research F: Earth Surface</i> , 2015 , 120, 1784-1802	3.8	3
14	Modelling of an accidentally triggered shallow landslide in Northern Italy. <i>Landslides</i> , 2019 , 16, 2277-2286	6.6	2
13	Inferring the Hydraulic Properties of a Historical Soil: A Revisiting of Perrault's Experiments. <i>Procedia Environmental Sciences</i> , 2013 , 19, 590-598		2
12	Steady Lateral Flow in Sloping Soils: Which is the Effect of the Conductivity at Saturation Profile? 2015 , 2153-2156		2
11	Back-Analysis of an Artificially Triggered Landslide: A Case Study in Northern Italy 2017 , 541-549		2

10	Dimensionless Numerical Approach to Perched Waters in 2D Gradually Layered Soils 2013 , 143-149		2
9	Non Monotonic Imbibition Profiles and Transition to a Perched Water Table in a Gradually Layered Soil 2012 , 167-174		2
8	A comparative assessment of the estimates of the saturated hydraulic conductivity of two anthropogenic soils and their impact on hydrological model simulations. <i>Soil and Water Research</i> , 2020 , 15, 135-147	2.5	1
7	Lake Garda lemon houses: a mediterranean landscape in an internal lake. <i>Proceedings E Report</i> , 183-193		1
6	Evaluating soil erosion by water in a small alpine catchment in Northern Italy: comparison of empirical models. <i>Acta Geochimica</i> , 2021 , 40, 507-524	2.2	1
5	Seasonality of Earthworm Macropores in a Temperate Alpine Area. <i>Eurasian Soil Science</i> , 2021 , 54, 1935-1944		1
4	Beyond Perrault's experiments: repeatability, didactics and complexity. <i>Hydrology and Earth System Sciences</i> , 2020 , 24, 1907-1926	5.5	
3	Erratum for Flooding Hazard Mapping in Floodplain Areas Affected by Piping Breaches in the Po River, Italy By M. Mazzoleni, B. Bacchi, S. Barontini, G. Di Baldassarre, M. Pilotti, and R. Ranzi. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 08014001	1.8	
2	Structural Residual Risk Due to Levee Failures in Flood Mapping 2015 , 449-452		
1	On the hydrological properties of mountain soils, from measurement to the geotechnical implications. <i>E3S Web of Conferences</i> , 2016 , 9, 16002	0.5	