

Gian Battista Bischetti

List of Publications by Year in descending order

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36
papers

1,372
citations

393982

19
h-index

395343

33
g-index

43
all docs

43
docs citations

43
times ranked

1018
citing authors

#	ARTICLE	IF	CITATIONS
1	Root Strength and Root Area Ratio of Forest Species in Lombardy (Northern Italy). <i>Plant and Soil</i> , 2005, 278, 11-22.	1.8	275
2	Root cohesion of forest species in the Italian Alps. <i>Plant and Soil</i> , 2009, 324, 71-89.	1.8	176
3	Biotechnical Characteristics of Root Systems of Typical Mediterranean Species. <i>Plant and Soil</i> , 2005, 278, 23-32.	1.8	168
4	Variability in the tensile resistance of roots in Alpine forest tree species. <i>Ecological Engineering</i> , 2012, 46, 43-56.	1.6	69
5	On the Origin of Soil Bioengineering. <i>Landscape Research</i> , 2014, 39, 583-595.	0.7	49
6	Quantifying the effect of brush layering on slope stability. <i>Ecological Engineering</i> , 2010, 36, 258-264.	1.6	41
7	Effects of root tensile force and diameter distribution variability on root reinforcement in the Swiss and Italian Alps. <i>Canadian Journal of Forest Research</i> , 2014, 44, 1426-1440.	0.8	39
8	Agro-environmental sustainability of different water management practices in temperate rice agro-ecosystems. <i>Agriculture, Ecosystems and Environment</i> , 2016, 222, 235-248.	2.5	39
9	Ecological index of maturity to evaluate the vegetation disturbance of areas affected by restoration work: a practical example of its application in an area of the Southern Alps. <i>Restoration Ecology</i> , 2015, 23, 635-644.	1.4	35
10	Evaluation of the effects of three European forest types on slope stability by field and probabilistic analyses and their implications for forest management. <i>Forest Ecology and Management</i> , 2016, 370, 114-129.	1.4	34
11	The effects of mountain grazing abandonment on plant community, forage value and soil properties: observations and field measurements in an alpine area. <i>Catena</i> , 2019, 181, 104086.	2.2	34
12	Urban water-energy-food-climate nexus in integrated wastewater and reuse systems: Cyber-physical framework and innovations. <i>Applied Energy</i> , 2021, 298, 117268.	5.1	34
13	How to renew soil bioengineering for slope stabilization: some proposals. <i>Landscape and Ecological Engineering</i> , 2019, 15, 37-50.	0.7	30
14	Root strength and root area ratio of forest species in Lombardy (Northern Italy). , 2007, , 31-41.		30
15	Root strength and density decay after felling in a Silver Fir-Norway Spruce stand in the Italian Alps. <i>Plant and Soil</i> , 2014, 377, 63-81.	1.8	28
16	Source areas, connectivity, and delivery rate of sediments in mountainous-forested hillslopes: A probabilistic approach. <i>Science of the Total Environment</i> , 2019, 652, 1168-1186.	3.9	26
17	A simple stochastic model of point source solute transport in rivers based on gauging station data with implications for sampling requirements. <i>Water Research</i> , 1999, 33, 3171-3181.	5.3	24
18	An integrated, multisensor system for the continuous monitoring of water dynamics in rice fields under different irrigation regimes. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 586.	1.3	24

#	ARTICLE	IF	CITATIONS
19	Including root reinforcement variability in a probabilistic 3D stability model. <i>Earth Surface Processes and Landforms</i> , 2017, 42, 1789-1806.	1.2	24
20	A probabilistic multidimensional approach to quantify large wood recruitment from hillslopes in mountainous-forested catchments. <i>Geomorphology</i> , 2018, 306, 108-127.	1.1	24
21	Design and temporal issues in Soil Bioengineering structures for the stabilisation of shallow soil movements. <i>Ecological Engineering</i> , 2021, 169, 106309.	1.6	24
22	A proposal for assessing the success of soil bioengineering work by analysing vegetation: results of two case studies in the Italian Alps. <i>Landscape and Ecological Engineering</i> , 2017, 13, 305-318.	0.7	19
23	Effects of tree spacing and thinning on root reinforcement in mountain forests of the European Southern Alps. <i>Forest Ecology and Management</i> , 2021, 482, 118873.	1.4	16
24	IDENTIFICATION AND ANALYSIS OF NATURAL CHANNEL NETWORKS FROM DIGITAL ELEVATION MODELS. , 1996, 21, 1007-1020.		14
25	Towards More Sustainable Materials for Geo-Environmental Engineering: The Case of Geogrids. <i>Sustainability</i> , 2021, 13, 2585.	1.6	13
26	Water-Energy-Food-Climate Nexus in an Integrated Peri-Urban Wastewater Treatment and Reuse System: From Theory to Practice. <i>Sustainability</i> , 2021, 13, 10952.	1.6	12
27	A simple triangular approximation of the area function for the calculation of network hydrological response. , 1999, 13, 2639-2653.		10
28	A comparison between different methods for determining grain distribution in coarse channel beds. <i>International Journal of Sediment Research</i> , 2016, 31, 97-109.	1.8	10
29	Field Measurements of Passive Earth Forces in Steep, Shallow, Landslide-Prone Areas. <i>Journal of Geophysical Research F: Earth Surface</i> , 2019, 124, 838-866.	1.0	10
30	CALIBRATION OF DISTRIBUTED SHALLOW LANDSLIDE MODELS IN FORESTED LANDSCAPES. <i>Journal of Agricultural Engineering</i> , 2010, 41, 23.	0.7	7
31	The contribution of chestnut coppice forests on slope stability in abandoned territory: a case study. <i>Journal of Agricultural Engineering</i> , 2013, 44, .	0.7	7
32	Vegetation analysis and estimation of forest reconstitution time in protected areas of Val Camonica (Southern Alps) where a commercial mixture of seeds was sown. <i>Eco Mont</i> , 2017, 9, 22-29.	0.1	5
33	A Probabilistic 3-D Slope Stability Analysis for Forest Management. <i>Springer Series in Geomechanics and Geoengineering</i> , 2019, , 11-21.	0.0	4
34	Comparison of measurement methods of the front velocity of small-scale debris flows. <i>Journal of Agricultural Engineering</i> , 2015, 46, 129.	0.7	3
35	Exploring Correlation between Stand Structural Indices and Parameters across Three Forest Types of the Southeastern Italian Alps. <i>Forests</i> , 2021, 12, 1645.	0.9	2
36	Vegetation and water of lowland spring-wells in Po Plain (Northern Italy): ecological features and management proposals. <i>Wetlands Ecology and Management</i> , 2022, 30, 357-374.	0.7	2