

Manuela Cecconi

List of Publications by Year in descending order

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22
papers

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1040018

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times ranked

314
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Low-Cost Capacitive Soil Moisture Sensors for IoT Networks. <i>Sensors</i> , 2020, 20, 3585.	3.8	62
2	A constitutive model for granular materials with grain crushing and its application to a pyroclastic soil. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2002, 26, 1531-1560.	3.3	49
3	Multi-scale analysis of the mechanical improvement induced by lime addition on a pyroclastic soil. <i>Engineering Geology</i> , 2017, 221, 193-201.	6.3	40
4	On the geology and the geotechnical properties of pyroclastic flow deposits of the Colli Albani. <i>Bulletin of Engineering Geology and the Environment</i> , 2010, 69, 185-206.	3.5	33
5	Structural features and mechanical behaviour of a pyroclastic weak rock. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2001, 25, 1525-1557.	3.3	28
6	Chemo-mineralogical evolution and microstructural modifications of a lime treated pyroclastic soil. <i>Engineering Geology</i> , 2018, 245, 333-343.	6.3	27
7	A numerical study on the seismic bearing capacity of shallow foundations. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 2931-2958.	4.1	24
8	Hillslope Erosion Mitigation: An Experimental Proof of a Nature-Based Solution. <i>Sustainability</i> , 2021, 13, 6058.	3.2	23
9	Geotechnical properties of an unsaturated pyroclastic soil from Roma. <i>Bulletin of Engineering Geology and the Environment</i> , 2007, 66, 403-414.	3.5	18
10	Effects of soil vegetation on shallow slope instability. <i>Environmental Geotechnics</i> , 2015, 2, 130-136.	2.3	13
11	The hermitage of Cerbaiolo (Tuscany, Italy): stability conditions and geomorphological characterization. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	6
12	Development of an IoT Structural Monitoring System Applied to a Hypogeal Site. <i>Sensors</i> , 2020, 20, 6769.	3.8	6
13	Sustainable Improvement of Zeolitic Pyroclastic Soils for the Preservation of Historical Sites. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 899.	2.5	6
14	Seismic Vulnerability of a Rockfill Dam through Different Displacement-based Approaches. <i>Journal of Earthquake Engineering</i> , 2022, 26, 113-139.	2.5	5
15	Seismic displacement-based design of embedded retaining structures. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 1979-2001.	4.1	4
16	Seismic Displacement Based Design of Structures: Relevance of Soil Structure Interaction. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014, , 241-275.	0.2	3
17	Hydraulic Heave Failure in EC7: Suggestions for Verification. <i>Geotechnical and Geological Engineering</i> , 2015, 33, 739-750.	1.7	3
18	Non-dimensional analysis for rock slope plane failure in seismic (pseudostatic) conditions. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 1955-1969.	3.5	3

#	ARTICLE	IF	CITATIONS
19	Capillary Barriers during Rainfall Events in Pyroclastic Deposits of the Vesuvian Area. <i>Geosciences (Switzerland)</i> , 2021, 11, 274.	2.2	3
20	Hydraulic failure of diaphragm walls: a possible methodology for safety improvement. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 765-780.	1.7	0
21	On the interaction between spread foundations and tie-beams under eccentric loading. <i>Engineering Structures</i> , 2020, 204, 109907.	5.3	0
22	Collapse upon Wetting of Lime Stabilised Pyroclastic Soils. , 2012, , 397-404.		0