

# Manuela Cecconi

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

356  
citations

1039880

9  
h-index

794469

19  
g-index

22  
all docs

22  
docs citations

22  
times ranked

314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic Vulnerability of a Rockfill Dam through Different Displacement-based Approaches. <i>Journal of Earthquake Engineering</i> , 2022, 26, 113-139.	1.4	5
2	Hillslope Erosion Mitigation: An Experimental Proof of a Nature-Based Solution. <i>Sustainability</i> , 2021, 13, 6058.	1.6	23
3	Capillary Barriers during Rainfall Events in Pyroclastic Deposits of the Vesuvian Area. <i>Geosciences (Switzerland)</i> , 2021, 11, 274.	1.0	3
4	On the interaction between spread foundations and tie-beams under eccentric loading. <i>Engineering Structures</i> , 2020, 204, 109907.	2.6	0
5	Characterization of Low-Cost Capacitive Soil Moisture Sensors for IoT Networks. <i>Sensors</i> , 2020, 20, 3585.	2.1	62
6	Development of an IoT Structural Monitoring System Applied to a Hypogeal Site. <i>Sensors</i> , 2020, 20, 6769.	2.1	6
7	Sustainable Improvement of Zeolitic Pyroclastic Soils for the Preservation of Historical Sites. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 899.	1.3	6
8	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.	1.6	3
9	Chemo-mineralogical evolution and microstructural modifications of a lime treated pyroclastic soil. <i>Engineering Geology</i> , 2018, 245, 333-343.	2.9	27
10	Multi-scale analysis of the mechanical improvement induced by lime addition on a pyroclastic soil. <i>Engineering Geology</i> , 2017, 221, 193-201.	2.9	40
11	Hydraulic failure of diaphragm walls: a possible methodology for safety improvement. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 765-780.	0.8	0
12	A numerical study on the seismic bearing capacity of shallow foundations. <i>Bulletin of Earthquake Engineering</i> , 2016, 14, 2931-2958.	2.3	24
13	The hermitage of Cerbaiolo (Tuscany, Italy): stability conditions and geomorphological characterization. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	6
14	Effects of soil vegetation on shallow slope instability. <i>Environmental Geotechnics</i> , 2015, 2, 130-136.	1.3	13
15	Seismic displacement-based design of embedded retaining structures. <i>Bulletin of Earthquake Engineering</i> , 2015, 13, 1979-2001.	2.3	4
16	Hydraulic Heave Failure in EC7: Suggestions for Verification. <i>Geotechnical and Geological Engineering</i> , 2015, 33, 739-750.	0.8	3
17	Seismic Displacement Based Design of Structures: Relevance of Soil Structure Interaction. <i>Geotechnical, Geological and Earthquake Engineering</i> , 2014, , 241-275.	0.1	3
18	Collapse upon Wetting of Lime Stabilised Pyroclastic Soils. , 2012, , 397-404.		0

#	ARTICLE	IF	CITATIONS
19	On the geology and the geotechnical properties of pyroclastic flow deposits of the Colli Albani. Bulletin of Engineering Geology and the Environment, 2010, 69, 185-206.	1.6	33
20	Geotechnical properties of an unsaturated pyroclastic soil from Roma. Bulletin of Engineering Geology and the Environment, 2007, 66, 403-414.	1.6	18
21	A constitutive model for granular materials with grain crushing and its application to a pyroclastic soil. International Journal for Numerical and Analytical Methods in Geomechanics, 2002, 26, 1531-1560.	1.7	49
22	Structural features and mechanical behaviour of a pyroclastic weak rock. International Journal for Numerical and Analytical Methods in Geomechanics, 2001, 25, 1525-1557.	1.7	28