

Andrea Segalini

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

704
citations

759233

12
h-index

580821

25
g-index

45
all docs

45
docs citations

45
times ranked

629
citing authors

#	ARTICLE	IF	CITATIONS
1	Development and Preliminary Tests of a Low-Power Automatic Monitoring System for Flexible Debris Flow Barriers. <i>Transportation Research Procedia</i> , 2021, 55, 1783-1790.	1.5	2
2	Debris flow impact on a flexible barrier: laboratory flume experiments and force-based mechanical model validation. <i>Natural Hazards</i> , 2021, 106, 735-756.	3.4	5
3	Advantages of IoT-Based Geotechnical Monitoring Systems Integrating Automatic Procedures for Data Acquisition and Elaboration. <i>Sensors</i> , 2021, 21, 2249.	3.8	14
4	Innovative Application of IoT Technologies to Improve Geotechnical Monitoring Tools and Early Warning Performances. <i>Springer Series in Geomechanics and Geoengineering</i> , 2021, , 142-146.	0.1	1
5	A multi-parameter field monitoring system to investigate the dynamics of large earth slides – earth flows in the Northern Apennines, Italy. <i>Engineering Geology</i> , 2020, 275, 105780.	6.3	6
6	Application of a Generalized Criterion: Time-of-Failure Forecast and Alert Thresholds Assessment for Landslides. , 2020, , 283-298.		2
7	Application of innovative monitoring tools for safety and alert procedures in road tunnels. <i>Transportation Research Procedia</i> , 2019, 40, 1540-1547.	1.5	1
8	Innovative Monitoring Tools and Early Warning Systems for Risk Management: A Case Study. <i>Geosciences (Switzerland)</i> , 2019, 9, 62.	2.2	7
9	Formulation of landslide risk scenarios using underground monitoring data and numerical models: conceptual approach, analysis, and evolution of a case study in Southern Italy. <i>Landslides</i> , 2019, 16, 1043-1053.	5.4	5
10	Monitoring of a retaining wall with innovative multi-parameter tools. , 2019, , .		1
11	GROUND TEMPERATURE MONITORING FOR A COAXIAL GEOTHERMAL HEAT EXCHANGERS FIELD: PRACTICAL ASPECTS AND MAIN ISSUES FROM THE FIRST YEAR OF MEASUREMENTS. <i>Rudarsko Geolosko Naftni Zbornik</i> , 2018, 33, 47-57.	0.5	4
12	Landslide time-of-failure forecast and alert threshold assessment: A generalized criterion. <i>Engineering Geology</i> , 2018, 245, 72-80.	6.3	63
13	A Factor Strength Approach for the Design of Rock Fall and Debris Flow Barriers. <i>Geotechnical and Geological Engineering</i> , 2017, 35, 2663-2675.	1.7	12
14	Joint Modelling and Monitoring on Case Pannetta and Case Costa Active Landslides System Using Electrical Resistivity Tomography and Geotechnical Data. , 2017, , 593-600.		2
15	Debris flow impact estimation on a rigid barrier. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 1691-1697.	3.6	68
16	Buildings Under the Rocks: An Interdisciplinary Approach for A Safe Conservation. <i>Procedia Engineering</i> , 2016, 161, 2222-2228.	1.2	2
17	Experimental study for the design of flexible barriers under debris flow impact. , 2016, , 1951-1956.		2
18	Application of Low Potential Electric Fields for Improving Slope Stability. <i>Procedia Earth and Planetary Science</i> , 2015, 15, 173-180.	0.6	0

#	ARTICLE	IF	CITATIONS
19	Studies of Flexible Barriers Under Debris Flow Impact: An Application to an Alpine Basin. <i>Procedia Earth and Planetary Science</i> , 2015, 15, 165-172.	0.6	10
20	Improving Landslide Displacement Measurement through Automatic Recording and Statistical Analysis. <i>Procedia Earth and Planetary Science</i> , 2015, 15, 536-541.	0.6	7
21	Experimental tests for the application of an analytical model for flexible debris flow barrier design. <i>Engineering Geology</i> , 2015, 185, 33-42.	6.3	39
22	Terrestrial Photogrammetry and Numerical Modelling for the Stability Analysis of Rock Slopes in High Mountain Areas: Aiguilles MarbrÃ©es case. <i>Rock Mechanics and Rock Engineering</i> , 2014, 47, 605-620.	5.4	23
23	Geotechnical and Geophysical Characterization of Frozen Granular Material. <i>Environmental Science and Engineering</i> , 2014, , 205-218.	0.2	2
24	Automated Inclinometer Monitoring Based on Micro Electro-Mechanical System Technology: Applications and Verification. , 2014, , 595-600.		7
25	A Simplified Analytical Model for the Design of Flexible Barriers Against Debris Flows. , 2014, , 725-730.		0
26	In situ stress measurements interpretations in large underground marble quarry by 3D modeling. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2013, 60, 103-113.	5.8	17
27	Debris flow hazard mitigation: A simplified analytical model for the design of flexible barriers. <i>Computers and Geotechnics</i> , 2013, 54, 1-15.	4.7	66
28	Underground Landslide Displacement Monitoring: A New MMES Based Device. , 2013, , 87-93.		11
29	Debris flow risk mitigation by the means of rigid and flexible barriers " experimental tests and impact analysis. <i>Natural Hazards and Earth System Sciences</i> , 2012, 12, 1693-1699.	3.6	108
30	Rock cliffs hazard analysis based on remote geostructural surveys: The Campione del Garda case study (Lake Garda, Northern Italy). <i>Geomorphology</i> , 2011, 125, 457-471.	2.6	28
31	Stability analysis of historic underground quarries. <i>Computers and Geotechnics</i> , 2010, 37, 476-486.	4.7	28
32	Geomechanical studies on slow slope movements in Parma Apennine. <i>Engineering Geology</i> , 2009, 109, 31-44.	6.3	10
33	Numerical Model for the Analysis of the Evolution Mechanisms of the Grossgufer Rock Slide. <i>Rock Mechanics and Rock Engineering</i> , 2004, 37, 151-168.	5.4	8
34	Experimental and Theoretical Studies to Improve Rock Fall Analysis and Protection Work Design. <i>Rock Mechanics and Rock Engineering</i> , 2004, 37, 369-389.	5.4	121
35	Definition and application of a multi-criteria algorithm to identify landslide acceleration phases. <i>Georisk</i> , 0, , 1-15.	3.5	10
36	The Boschetto landslide: monitoring, numerical analysis and interpretation. <i>Rendiconti Online Societa Geologica Italiana</i> , 0, 35, 276-279.	0.3	2

#	ARTICLE	IF	CITATIONS
37	Innovative monitoring instruments as support tools for natural risks management. Rendiconti Online Societa Geologica Italiana, 0, 48, 76-83.	0.3	2