Fabio Gabrieli

List of Publications by Year
in descending order

27	351	933447 10	839539 18
papers	citations	h-index	g-index

29	29	29	344
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Capillary force and rupture of funicular liquid bridges between three spherical bodies. Powder Technology, 2017, 305, 89-98.	4.2	79
2	Micromechanical modelling of erosion due to evaporation in a partially wet granular slope. International Journal for Numerical and Analytical Methods in Geomechanics, 2012, 36, 918-943.	3.3	43
3	Use of an up-scaled DEM model for analysing the behaviour of a shallow foundation on a model slope. Geomechanics and Geoengineering, 2009, 4, 109-122.	1.8	32
4	Collapse of quasi-two-dimensional wet granular columns. Physical Review E, 2013, 87, .	2.1	30
5	Discrete particle simulations and experiments on the collapse of wet granular columns. Physics of Fluids, 2013, 25, .	4.0	24
6	Collapse and runout of granular columns in pendular state. Physics of Fluids, 2018, 30, .	4.0	23
7	A low-cost landslide displacement activity assessment from time-lapse photogrammetry and rainfall data: Application to the Tessina landslide site. Geomorphology, 2016, 269, 56-74.	2.6	19
8	A new data assimilation procedure to develop a debris flow run-out model. Landslides, 2016, 13, 1083-1096.	5.4	14
9	Discrete element simulation of wire-mesh retaining systems: An insight into the mechanical behaviour. Computers and Geotechnics, 2021, 134, 104076.	4.7	14
10	Drag in wet granular materials. Powder Technology, 2019, 356, 231-239.	4.2	11
11	Collapse of granularâ€“cohesive soil mixtures on a horizontal plane. Acta Geotechnica, 2020, 15, 695-714.	5.7	9
12	Discrete element analysis of the punching behaviour of a secured drapery system: from laboratory characterization to idealized in situ conditions. Acta Geotechnica, 2021, 16, 2553-2573.	5.7	9
13	Impact of Dry Granular Flows on a Rigid Wall: Discrete and Continuum Approach. Procedia Engineering, 2016, 158, 152-157.	1.2	7
14	Spreading of Kaolin and Sand Mixtures on a Horizontal Plane: Physical Experiments and SPH Numerical Modelling. Procedia Engineering, 2017, 175, 197-203.	1.2	6
15	Granular Jamming as Controllable Stiffness Mechanism for Medical Devices. Trends in Mathematics, 2018, , 57-66.	0.1	6
16	Influence of Structural Stiffness on Ratcheting Convection Cells of Granular Soil under Cyclic Lateral Loading. Procedia Engineering, 2017, 175, 148-156.	1.2	4
17	Enhancement of Design Methodologies of Anchored Mesh Systems Using the Discrete Element Method. Lecture Notes in Civil Engineering, 2020, , 500-508.	0.4	4
18	Granular ratcheting phenomena behind a model retaining wall. , 2014, , 601-606.		2

#	Article	IF	Citations
19	A simple tool for forecasting the mechanical response of anchored wire mesh panels. IOP Conference Series: Earth and Environmental Science, 2021, 833, 012104.	0.3	2
20	Experiments and DEM Simulations of Granular Ratcheting. EPJ Web of Conferences, 2017, 140, 03061.	0.3	1
21	Digital Terrestrial Stereo-Photogrammetry for Monitoring Landslide Displacements: A Case Study in Recoaro Terme (VI). Lecture Notes in Civil Engineering, 2020, , 155-163.	0.4	1
22	A Discrete Element Framework for the modelling of rock-filled gabions. IOP Conference Series: Earth and Environmental Science, 2021, 833, 012102.	0.3	1
23	Digital terrestrial photogrammetry for a dense monitoring of the surficial displacements of a landslide. IOP Conference Series: Earth and Environmental Science, 2021, 833, 012145.	0.3	1
24	Propagation analysis and risk assessment of an active complex landslide using a Monte Carlo statistical approach. IOP Conference Series: Earth and Environmental Science, 2021, 833, 012130.	0.3	1
25	Effect of the Pendular State on the Collapse of Granular Columns. Special Publication - Royal Society of Chemistry, 2012, , 95-102.	0.0	1
26	Influence of Mixture Composition in the Collapse of Soil Columns. , 2017, , 449-455.		0
27	Stability Analysis of a Landslide Scarp by Means of Virtual Outcrops: The Mt. Peron Niche Area (Masiere di Vedana Rock Avalanche, Eastern Southern Alps). Frontiers in Earth Science, 0, 10, .	1.8	0