

Danuta Lesniewska

List of Publications by Year in descending order

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33
papers

492
citations

687363

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34
all docs

34
docs citations

34
times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Discrete simulations of shear zone patterning in sand in earth pressure problems of a retaining wall. <i>International Journal of Solids and Structures</i> , 2011, 48, 1191-1209.	2.7	68
2	Experimental Analysis of Shear Zone Patterns in Cohesionless for Earth Pressure Problems Using Particle Image Velocimetry. <i>Strain</i> , 2011, 47, 218-231.	2.4	54
3	Vermiculate artefacts in image analysis of granular materials. <i>Computers and Geotechnics</i> , 2016, 72, 100-113.	4.7	48
4	Observations of Stresses and Strains in a Granular Material. <i>Journal of Engineering Mechanics - ASCE</i> , 2009, 135, 1038-1054.	2.9	45
5	Stresses in granular materials. <i>Granular Matter</i> , 2011, 13, 395-415.	2.2	43
6	DEM analysis of micro-structural events within granular shear zones under passive earth pressure conditions. <i>Granular Matter</i> , 2015, 17, 325-343.	2.2	32
7	Failure modes and bearing capacity of reinforced soil retaining walls. <i>Geotextiles and Geomembranes</i> , 1987, 5, 29-44.	4.6	27
8	Limit equilibrium approach to study the evolution of shear band systems in soils. <i>Geotechnique</i> , 2000, 50, 521-536.	4.0	25
9	Study of evolution of shear band systems in sand retained by flexible wall. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2001, 25, 909-932.	3.3	23
10	Limit analysis of cohesive slopes reinforced with geotextiles. <i>Computers and Geotechnics</i> , 1989, 7, 53-66.	4.7	22
11	Stability of fabric reinforced cohesive soil slopes. <i>Geotextiles and Geomembranes</i> , 1991, 10, 125-146.	4.6	16
12	Contact force network evolution in active earth pressure state of granular materials: photo-elastic tests and DEM. <i>Granular Matter</i> , 2020, 22, 1.	2.2	14
13	Photoelastic and photographic study of a granular material. <i>Geotechnique</i> , 2011, 61, 605-611.	4.0	13
14	Experimental Study on Shear Localisation in Granular Materials Within Combined Strain and Stress Field. <i>Strain</i> , 2012, 48, 430-444.	2.4	11
15	Measured and Predicted Stresses and Bearing Capacity of a Full Scale Slope Reinforced with Nails. <i>Soils and Foundations</i> , 1988, 28, 47-56.	3.1	10
16	RES – A numerical program for reinforced-soil slopes based on the rigid-plastic theoretical model. <i>Geotextiles and Geomembranes</i> , 1993, 12, 435-439.	4.6	6
17	Failure evolution in granular material retained by rigid wall in active mode. <i>Studia Geotechnica Et Mechanica</i> , 2012, 34, 1-9.	0.5	6
18	Limit analysis of reinforced slopes. <i>Geotextiles and Geomembranes</i> , 1988, 7, 203-220.	4.6	5

#	ARTICLE	IF	CITATIONS
19	Shear bands in soil deformation processes. , 2003, , .		5
20	Discussion: Heterogeneity and soil element testing. Geotechnique Letters, 2012, 2, 217-219.	1.2	4
21	Numerical simulation of scaled retaining walls by rigidâ€“plastic approach. Computers and Geotechnics, 1998, 23, 113-129.	4.7	3
22	Study of flood embankment behaviour induced by air entrapment. , 2008, , 655-665.		3
23	Particle scale features in shearing of glass ballotini. , 2009, , .		2
24	Experimental Versus Finite Element Approach to Study Scale Dependent Features in Granular Materialsâ€™ Stress and Deformation Fields. Springer Series in Geomechanics and Geoengineering, 2015, , 273-278.	0.1	2
25	Granular Materials at Meso and Macro Scale: Photo-Elasticity and Digital Image Correlation. Springer Series in Geomechanics and Geoengineering, 2011, , 353-358.	0.1	2
26	Experimental investigations of micro-structural phenomena inside strain localisation in granular materials. AIP Conference Proceedings, 2013, , .	0.4	1
27	Strains Inside Shear Bands Observed in Tests on Model Retaining Wall in Active State. Trends in Mathematics, 2018, , 257-265.	0.1	1
28	Simulations of air and water flow in a model dike during overflow experiments. Computational Geosciences, 2019, 23, 325-337.	2.4	1
29	A 2D Fourier tool for the analysis of photo-elastic effect in large granular assemblies. EPJ Web of Conferences, 2017, 140, 02007.	0.3	0
30	Photo-Elastic Observation of Loading and Crushing of a Single Grain. Trends in Mathematics, 2018, , 213-223.	0.1	0
31	Sand grains versus tiny glass granules - comparative study on stress-deformation characteristics. E3S Web of Conferences, 2019, 92, 01002.	0.5	0
32	Photo-elastic and DIC techniques to study development of shear and compaction bands within granular materials. , 2014, , 1025-1030.		0
33	Periodic Stick-Slip Deformation of Granular Material Under Quasi-static Conditions. Springer Series in Geomechanics and Geoengineering, 2017, , 55-61.	0.1	0