

Radoslaw L Michalowski

List of Publications by Year in descending order

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61
papers

2,756
citations

236612

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223531

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62
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docs citations

62
times ranked

1391
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of a Dispersed Soil Arch in Embankments Supported by Columns with Cap Beams and the Development of System Efficacy. , 2022, , .		0
2	Measures of Stability for Roofs over Cavities in Rock. , 2022, , .		0
3	Roof stability in flat-ceiling deep rock cavities and tunnels. Engineering Geology, 2022, 303, 106651.	2.9	5
4	Three-dimensional stability assessment of slopes in intact rock governed by the Hoek-Brown failure criterion. International Journal of Rock Mechanics and Minings Sciences, 2021, 137, 104522.	2.6	13
5	Three-dimensional ridge collapse mechanism for narrow soil slopes. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1972-1987.	1.7	6
6	Three-dimensional roof collapse analysis in circular tunnels in rock. International Journal of Rock Mechanics and Minings Sciences, 2020, 128, 104275.	2.6	27
7	Stability assessment of slopes in rock governed by the Hoek-Brown strength criterion. International Journal of Rock Mechanics and Minings Sciences, 2020, 127, 104217.	2.6	35
8	Time-dependent model for sand grain deflection including contact maturing under sustained load. Granular Matter, 2020, 22, 1.	1.1	3
9	Maturing of contacts and ageing of silica sand. Geotechnique, 2019, 69, 748-749.	2.2	4
10	Roof stability in deep rock tunnels. International Journal of Rock Mechanics and Minings Sciences, 2019, 124, 104139.	2.6	19
11	Stability of intact slopes with tensile strength cut-off. Geotechnique, 2019, 69, 1123-1126.	2.2	3
12	Rupture Failure Modes in Analyses of Stability of Soil and Rock Slopes. , 2019, , .		0
13	Closure to "Failure and Remedy of Column-Supported Embankment: Case Study" by Radoslaw L. Michalowski, Andrzej Wojtasik, Adam Duda, Antoni Florkiewicz, and Dowon Park. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, 07018037.	1.5	0
14	A cone surface in three-dimensional analyses of slopes with tension cut-off. Geotechnical Research, 2018, 5, 51-67.	0.8	6
15	Maturing of contacts and ageing of silica sand. Geotechnique, 2018, 68, 133-145.	2.2	25
16	Performance and damage evolution of plain and fibre-reinforced segmental concrete pipelines subjected to transverse permanent ground displacement. Structure and Infrastructure Engineering, 2018, 14, 232-246.	2.0	6
17	Failure potential of infinite slopes in bonded soils with tensile strength cut-off. Canadian Geotechnical Journal, 2018, 55, 477-485.	1.4	25
18	Intricacies in three-dimensional limit analysis of earth slopes. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 2109-2129.	1.7	8

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19	An Apparatus for Testing Static Fatigue at Sand Grain Contacts. Geotechnical Testing Journal, 2018, 41, 448-458.	0.5	3
20	Stability of intact slopes with tensile strength cut-off. Geotechnique, 2017, 67, 720-727.	2.2	61
21	Contact Testing and Simulation of the Time-Dependent Interaction between Sand Particles. , 2017, , .		0
22	Consequences of Seismic Excitation on Slopes in Soils with a Tensile Strength Cutoff. , 2017, , .		3
23	Three-dimensional stability analysis of slopes in hard soil/soft rock with tensile strength cut-off. Engineering Geology, 2017, 229, 73-84.	2.9	85
24	Limit Analysis of the Reinforced Soil and Modeling Strength of Solid Waste in Landfills Using the Concepts of Soil Reinforcement. , 2016, , .		0
25	Contact fatigue in silica sandâ€™ Observations and modeling. Geomechanics for Energy and the Environment, 2015, 4, 88-99.	1.2	15
26	Thermal-Hydro-Mechanical Analysis of Frost Heave and Thaw Settlement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	1.5	103
27	Reply to the discussion by Utili on â€™Stability assessment of slopes with cracks using limit analysisâ€™. Canadian Geotechnical Journal, 2014, 51, 826-827.	1.4	10
28	Thermal-Hydro-Mechanical Modeling of Frost Action in Frost-Susceptible Soils. , 2014, , .		2
29	Multiphysical Modeling and Numerical Simulation of Frost Heave and Thaw Settlement. , 2014, , .		1
30	Modeling frost heaving and thaw settlement in frost-susceptible soils. , 2014, , 1487-1492.		0
31	Thermal-Mechanical Constitutive Modeling for Freezing and Thawing Soils. , 2013, , .		11
32	Stability assessment of slopes with cracks using limit analysis. Canadian Geotechnical Journal, 2013, 50, 1011-1021.	1.4	140
33	Three-Dimensional Limit Analysis of Slopes with Pore Pressure. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1604-1610.	1.5	64
34	Three-dimensional displacement analysis of slopes subjected to seismic loads. Canadian Geotechnical Journal, 2013, 50, 650-661.	1.4	40
35	A Numerical Approach to Simulate Soil Freezing and Frost Heave behind an Earth Retaining Structure. , 2013, , .		6
36	Cross-Anisotropy in Fiber-Reinforced Sand. , 2012, , .		0

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37	Arching in Distribution of Active Load on Retaining Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 575-584.	1.5	56
38	Frost-Induced Heaving of Soil around a Culvert. , 2012, , .		3
39	Static Fatigue, Time Effects, and Delayed Increase in Penetration Resistance after Dynamic Compaction of Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 564-574.	1.5	52
40	Stability Charts for 3D Failures of Steep Slopes Subjected to Seismic Excitation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 183-189.	1.5	74
41	Limit Analysis and Stability Charts for 3D Slope Failures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 583-593.	1.5	136
42	Critical Pool Level and Stability of Slopes in Granular Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 444-448.	1.5	12
43	Expanding collapse in partially submerged granular soil slopes. Canadian Geotechnical Journal, 2009, 46, 1371-1378.	1.4	2
44	Displacements of Multiblock Geotechnical Structures Subjected to Seismic Excitation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 1432-1439.	1.5	21
45	Freezing and Ice Growth in Frost-Susceptible Soils. Solid Mechanics and Its Applications, 2007, , 429-441.	0.1	3
46	Limit analysis of submerged slopes subjected to water drawdown. Canadian Geotechnical Journal, 2006, 43, 802-814.	1.4	131
47	Frost heave modelling using porosity rate function. International Journal for Numerical and Analytical Methods in Geomechanics, 2006, 30, 703-722.	1.7	150
48	Coefficient of Earth Pressure at Rest. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1429-1433.	1.5	77
49	Shape Factors for Limit Loads on Square and Rectangular Footings. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 223-231.	1.5	57
50	Limit Loads on Reinforced Foundation Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 381-390.	1.5	97
51	Triaxial Compression of Sand Reinforced with Fibers. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 125-136.	1.5	214
52	Stability Charts for Uniform Slopes. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2002, 128, 351-355.	1.5	212
53	Collapse Loads over Two-Layer Clay Foundation Soils.. Soils and Foundations, 2002, 42, 1-7.	0.7	140
54	Strength anisotropy of fiber-reinforced sand. Computers and Geotechnics, 2002, 29, 279-299.	2.3	126

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55	Plasticity-Based Analysis of Reinforced Soil Structures. , 2000, , 346.		0
56	Displacements of Reinforced Slopes Subjected to Seismic Loads. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 685-694.	1.5	59
57	Displacement charts for slopes subjected to seismic loads. Computers and Geotechnics, 1999, 25, 45-55.	2.3	32
58	Limit Stress for Granular Composites Reinforced with Continuous Filaments. Journal of Engineering Mechanics - ASCE, 1997, 123, 852-859.	1.6	26
59	Failure of Fiber-Reinforced Granular Soils. Journal of Geotechnical Engineering, 1996, 122, 226-234.	0.4	175
60	Continuum versus Structural Approach to Stability of Reinforced Soil. Journal of Geotechnical Engineering, 1995, 121, 152-162.	0.4	66
61	A constitutive model of saturated soils for frost heave simulations. Cold Regions Science and Technology, 1993, 22, 47-63.	1.6	106