

# Radoslaw L Michalowski

## List of Publications by Year in descending order

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61  
papers

2,756  
citations

236612

25  
h-index

223531

46  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Triaxial Compression of Sand Reinforced with Fibers. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 125-136.	1.5	214
2	Stability Charts for Uniform Slopes. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2002, 128, 351-355.	1.5	212
3	Failure of Fiber-Reinforced Granular Soils. Journal of Geotechnical Engineering, 1996, 122, 226-234.	0.4	175
4	Frost heave modelling using porosity rate function. International Journal for Numerical and Analytical Methods in Geomechanics, 2006, 30, 703-722.	1.7	150
5	Collapse Loads over Two-Layer Clay Foundation Soils.. Soils and Foundations, 2002, 42, 1-7.	0.7	140
6	Stability assessment of slopes with cracks using limit analysis. Canadian Geotechnical Journal, 2013, 50, 1011-1021.	1.4	140
7	Limit Analysis and Stability Charts for 3D Slope Failures. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 583-593.	1.5	136
8	Limit analysis of submerged slopes subjected to water drawdown. Canadian Geotechnical Journal, 2006, 43, 802-814.	1.4	131
9	Strength anisotropy of fiber-reinforced sand. Computers and Geotechnics, 2002, 29, 279-299.	2.3	126
10	A constitutive model of saturated soils for frost heave simulations. Cold Regions Science and Technology, 1993, 22, 47-63.	1.6	106
11	Thermal-Hydro-Mechanical Analysis of Frost Heave and Thaw Settlement. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	1.5	103
12	Limit Loads on Reinforced Foundation Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2004, 130, 381-390.	1.5	97
13	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
14	Coefficient of Earth Pressure at Rest. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1429-1433.	1.5	77
15	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
16	Continuum versus Structural Approach to Stability of Reinforced Soil. Journal of Geotechnical Engineering, 1995, 121, 152-162.	0.4	66
17	Three-Dimensional Limit Analysis of Slopes with Pore Pressure. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1604-1610.	1.5	64
18	Stability of intact slopes with tensile strength cut-off. Geotechnique, 2017, 67, 720-727.	2.2	61

#	ARTICLE	IF	CITATIONS
19	Displacements of Reinforced Slopes Subjected to Seismic Loads. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2000, 126, 685-694.	1.5	59
20	Shape Factors for Limit Loads on Square and Rectangular Footings. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 223-231.	1.5	57
21	Arching in Distribution of Active Load on Retaining Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 575-584.	1.5	56
22	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
23	Three-dimensional displacement analysis of slopes subjected to seismic loads. Canadian Geotechnical Journal, 2013, 50, 650-661.	1.4	40
24	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
25	Displacement charts for slopes subjected to seismic loads. Computers and Geotechnics, 1999, 25, 45-55.	2.3	32
26	Three-dimensional roof collapse analysis in circular tunnels in rock. International Journal of Rock Mechanics and Minings Sciences, 2020, 128, 104275.	2.6	27
27	Limit Stress for Granular Composites Reinforced with Continuous Filaments. Journal of Engineering Mechanics - ASCE, 1997, 123, 852-859.	1.6	26
28	Maturing of contacts and ageing of silica sand. Geotechnique, 2018, 68, 133-145.	2.2	25
29	Failure potential of infinite slopes in bonded soils with tensile strength cut-off. Canadian Geotechnical Journal, 2018, 55, 477-485.	1.4	25
30	Displacements of Multiblock Geotechnical Structures Subjected to Seismic Excitation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 1432-1439.	1.5	21
31	Roof stability in deep rock tunnels. International Journal of Rock Mechanics and Minings Sciences, 2019, 124, 104139.	2.6	19
32	Contact fatigue in silica sand – Observations and modeling. Geomechanics for Energy and the Environment, 2015, 4, 88-99.	1.2	15
33	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
34	Critical Pool Level and Stability of Slopes in Granular Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 444-448.	1.5	12
35	Thermal-Mechanical Constitutive Modeling for Freezing and Thawing Soils. , 2013, , .		11
36	Reply to the discussion by Utili on “Stability assessment of slopes with cracks using limit analysis” Canadian Geotechnical Journal, 2014, 51, 826-827.	1.4	10

#	ARTICLE	IF	CITATIONS
37	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
38	A Numerical Approach to Simulate Soil Freezing and Frost Heave behind an Earth Retaining Structure. , 2013, , .		6
39	A cone surface in three-dimensional analyses of slopes with tension cut-off. Geotechnical Research, 2018, 5, 51-67.	0.8	6
40	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
41	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
42	Roof stability in flat-ceiling deep rock cavities and tunnels. Engineering Geology, 2022, 303, 106651.	2.9	5
43	Maturing of contacts and ageing of silica sand. Geotechnique, 2019, 69, 748-749.	2.2	4
44	Frost-Induced Heaving of Soil around a Culvert. , 2012, , .		3
45	Consequences of Seismic Excitation on Slopes in Soils with a Tensile Strength Cutoff. , 2017, , .		3
46	Stability of intact slopes with tensile strength cut-off. Geotechnique, 2019, 69, 1123-1126.	2.2	3
47	Time-dependent model for sand grain deflection including contact maturing under sustained load. Granular Matter, 2020, 22, 1.	1.1	3
48	Freezing and Ice Growth in Frost-Susceptible Soils. Solid Mechanics and Its Applications, 2007, , 429-441.	0.1	3
49	An Apparatus for Testing Static Fatigue at Sand Grain Contacts. Geotechnical Testing Journal, 2018, 41, 448-458.	0.5	3
50	Expanding collapse in partially submerged granular soil slopes. Canadian Geotechnical Journal, 2009, 46, 1371-1378.	1.4	2
51	Thermal-Hydro-Mechanical Modeling of Frost Action in Frost-Susceptible Soils. , 2014, , .		2
52	Multiphysical Modeling and Numerical Simulation of Frost Heave and Thaw Settlement. , 2014, , .		1
53	Plasticity-Based Analysis of Reinforced Soil Structures. , 2000, , 346.		0
54	Cross-Anisotropy in Fiber-Reinforced Sand. , 2012, , .		0

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55	Limit Analysis of the Reinforced Soil and Modeling Strength of Solid Waste in Landfills Using the Concepts of Soil Reinforcement. , 2016, , .		0
56	Contact Testing and Simulation of the Time-Dependent Interaction between Sand Particles. , 2017, , .		0
57	Rupture Failure Modes in Analyses of Stability of Soil and Rock Slopes. , 2019, , .		0
58	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
59	Modeling frost heaving and thaw settlement in frost-susceptible soils. , 2014, , 1487-1492.		0
60	Formation of a Dispersed Soil Arch in Embankments Supported by Columns with Cap Beams and the Development of System Efficacy. , 2022, , .		0
61	Measures of Stability for Roofs over Cavities in Rock. , 2022, , .		0