

# Daniel Dias

## List of Publications by Year in descending order

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225  
papers

7,319  
citations

57719

44  
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76872

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233  
all docs

233  
docs citations

233  
times ranked

2568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rotational failure mechanisms for the face stability analysis of tunnels driven by a pressurized shield. International Journal for Numerical and Analytical Methods in Geomechanics, 2011, 35, 1363-1388.	1.7	333
2	Face Stability Analysis of Circular Tunnels Driven by a Pressurized Shield. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2010, 136, 215-229.	1.5	258
3	An efficient reliability method combining adaptive Support Vector Machine and Monte Carlo Simulation. Structural Safety, 2017, 67, 85-95.	2.8	198
4	Probabilistic Analysis of Circular Tunnels in Homogeneous Soil Using Response Surface Methodology. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1314-1325.	1.5	181
5	Probabilistic Analysis and Design of Circular Tunnels against Face Stability. International Journal of Geomechanics, 2009, 9, 237-249.	1.3	179
6	2D numerical investigation of segmental tunnel lining behavior. Tunnelling and Underground Space Technology, 2013, 37, 115-127.	3.0	167
7	Three-dimensional numerical simulation of a mechanized twin tunnels in soft ground. Tunnelling and Underground Space Technology, 2014, 42, 40-51.	3.0	165
8	Three-dimensional face stability analysis of pressurized tunnels driven in a multilayered purely frictional medium. Tunnelling and Underground Space Technology, 2015, 49, 18-34.	3.0	142
9	Continuous velocity fields for collapse and blowout of a pressurized tunnel face in purely cohesive soil. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 2061-2083.	1.7	131
10	Validation of a New 2D Failure Mechanism for the Stability Analysis of a Pressurized Tunnel Face in a Spatially Varying Sand. Journal of Engineering Mechanics - ASCE, 2011, 137, 8-21.	1.6	130
11	The effect of pore water pressure on tunnel face stability. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 2123-2136.	1.7	129
12	Upper-bound analysis on the face stability of a non-circular tunnel. Tunnelling and Underground Space Technology, 2017, 62, 96-102.	3.0	122
13	Use of lime and cement treated soils as pile supported load transfer platform. Engineering Geology, 2010, 114, 34-44.	2.9	114
14	Three-dimensional numerical simulation for mechanized tunnelling in soft ground: the influence of the joint pattern. Acta Geotechnica, 2014, 9, 673-694.	2.9	114
15	Two-Dimensional Physical and Numerical Modeling of a Pile-Supported Earth Platform over Soft Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 295-305.	1.5	113
16	Probabilistic analyses of tunneling-induced ground movements. Acta Geotechnica, 2013, 8, 181-199.	2.9	110
17	Three dimensional face stability of a tunnel in weak rock masses subjected to seepage forces. Tunnelling and Underground Space Technology, 2018, 71, 555-566.	3.0	108
18	Analyses of a pile-supported embankment over soft clay: Full-scale experiment, analytical and numerical approaches. Engineering Geology, 2013, 153, 53-67.	2.9	101

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19	Face Stability Analysis for a Shield-Driven Tunnel in Anisotropic and Nonhomogeneous Soils by the Kinematical Approach. <i>International Journal of Geomechanics</i> , 2016, 16, .	1.3	100
20	Probabilistic Analysis of Pressurized Tunnels against Face Stability Using Collocation-Based Stochastic Response Surface Method. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 385-397.	1.5	99
21	Three-Dimensional Numerical Modeling of a Piled Embankment. <i>International Journal of Geomechanics</i> , 2009, 9, 102-112.	1.3	98
22	Probabilistic evaluation of tunnel face stability in spatially random soils using sparse polynomial chaos expansion with global sensitivity analysis. <i>Acta Geotechnica</i> , 2017, 12, 1415-1429.	2.9	97
23	Movements caused by the excavation of tunnels using face pressurized shields – Analysis of monitoring and numerical modeling results. <i>Engineering Geology</i> , 2013, 152, 17-25.	2.9	94
24	Three-Dimensional Stability of a Slope Subjected to Seepage Forces. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	76
25	Impact of constitutive models on the numerical analysis of underground constructions. <i>Acta Geotechnica</i> , 2008, 3, 251-258.	2.9	75
26	Numerical analysis of the behaviour of mechanically stabilized earth walls reinforced with different types of strips. <i>Geotextiles and Geomembranes</i> , 2011, 29, 116-129.	2.3	72
27	Stabilisation of the Excavation Face in Shallow Tunnels Using Fibreglass Dowels. <i>Rock Mechanics and Rock Engineering</i> , 2012, 45, 499-517.	2.6	70
28	Sliced inverse regression-based sparse polynomial chaos expansions for reliability analysis in high dimensions. <i>Reliability Engineering and System Safety</i> , 2017, 167, 484-493.	5.1	70
29	Discrete element modelling of a granular platform supported by piles in soft soil – Validation on a small scale model test and comparison to a numerical analysis in a continuum. <i>Computers and Geotechnics</i> , 2009, 36, 917-927.	2.3	68
30	Soft Ground Improvement by Vertical Rigid Piles Two-Dimensional Physical Modelling and Comparison with Current Design Methods. <i>Soils and Foundations</i> , 2005, 45, 15-30.	1.3	67
31	Field monitoring and analyses of the response of a block-faced geogrid wall using fine-grained tropical soils. <i>Geotextiles and Geomembranes</i> , 2014, 42, 127-138.	2.3	65
32	Incorporating stratigraphic boundary uncertainty into reliability analysis of slopes in spatially variable soils using one-dimensional conditional Markov chain model. <i>Computers and Geotechnics</i> , 2020, 118, 103321.	2.3	65
33	Reliability analysis of embankment dam sliding stability using the sparse polynomial chaos expansion. <i>Engineering Structures</i> , 2018, 174, 295-307.	2.6	64
34	A new numerical approach to the hyperstatic reaction method for segmental tunnel linings. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2014, 38, 1617-1632.	1.7	60
35	3D numerical investigation of mechanized twin tunnels in soft ground – Influence of lagging distance between two tunnel faces. <i>Engineering Structures</i> , 2016, 109, 117-125.	2.6	60
36	Three-dimensional numerical simulation of pile-twin tunnels interaction – Case of the Shiraz subway line. <i>Tunnelling and Underground Space Technology</i> , 2019, 86, 75-88.	3.0	57

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37	Physical and analytical modelling of geosynthetic strip pull-out behaviour. <i>Geotextiles and Geomembranes</i> , 2010, 28, 44-53.	2.3	54
38	Probabilistic stability analysis of an embankment dam considering soil spatial variability. <i>Computers and Geotechnics</i> , 2019, 113, 103093.	2.3	53
39	Numerical analysis of a geosynthetic-reinforced piled load transfer platform – Validation on centrifuge test. <i>Geotextiles and Geomembranes</i> , 2014, 42, 525-539.	2.3	51
40	Geosynthetic reinforcement of pile-supported embankments. <i>Geosynthetics International</i> , 2018, 25, 37-49.	1.5	50
41	Numerical and experimental study on influence of installation effects on behaviour of helical anchors in very dense sand. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1067-1080.	1.4	50
42	Back analysis of geomechanical parameters by optimisation of a 3D model of an underground structure. <i>Tunnelling and Underground Space Technology</i> , 2011, 26, 659-673.	3.0	49
43	Range of the Safe Retaining Pressures of a Pressurized Tunnel Face by a Probabilistic Approach. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1954-1967.	1.5	49
44	2D numerical investigation of segmental tunnel lining under seismic loading. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 72, 66-76.	1.9	49
45	Back analysis of geomechanical parameters in underground works using an Evolution Strategy algorithm. <i>Tunnelling and Underground Space Technology</i> , 2013, 33, 143-158.	3.0	46
46	Safety factor assessment of a tunnel face reinforced by horizontal dowels. <i>Engineering Structures</i> , 2017, 142, 56-66.	2.6	46
47	Convergence-confinement approach for designing tunnel face reinforcement by horizontal bolting. <i>Tunnelling and Underground Space Technology</i> , 2011, 26, 517-523.	3.0	45
48	Probabilistic Stability Analysis of a Three-Dimensional Rock Slope Characterized by the Hoek-Brown Failure Criterion. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	2.5	45
49	Kriging based reliability and sensitivity analysis – Application to the stability of an earth dam. <i>Computers and Geotechnics</i> , 2020, 120, 103411.	2.3	45
50	A sequential sparse polynomial chaos expansion using Bayesian regression for geotechnical reliability estimations. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2020, 44, 874-889.	1.7	45
51	Artificial neural networks for the interpretation of piezometric levels at the rock-concrete interface of arch dams. <i>Engineering Structures</i> , 2019, 178, 616-634.	2.6	44
52	3D numerical investigation on the interaction between mechanized twin tunnels in soft ground. <i>Environmental Earth Sciences</i> , 2015, 73, 2101-2113.	1.3	43
53	Numerical back-analysis of the southern Toulon tunnel measurements: A comparison of 3D and 2D approaches. <i>Engineering Geology</i> , 2015, 195, 42-52.	2.9	41
54	Three-Dimensional Face Stability Analysis of Circular Tunnels by a Kinematical Approach. , 2008, , .		40

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55	Performance of segmental and shotcrete linings in shallow tunnels crossing a transverse strike-slip faulting. <i>Transportation Geotechnics</i> , 2020, 23, 100333.	2.0	40
56	Reliability analysis of shallow tunnels using the response surface methodology. <i>Underground Space (China)</i> , 2017, 2, 246-258.	3.4	39
57	Seismic analysis of geosynthetic-reinforced retaining wall in cohesive soils. <i>Geotextiles and Geomembranes</i> , 2019, 47, 315-326.	2.3	39
58	Reliability of tunnel lining design using the Hyperstatic Reaction Method. <i>Tunnelling and Underground Space Technology</i> , 2018, 77, 59-67.	3.0	38
59	Slurry filtration process and filter cake formation during shield tunnelling: Insight from coupled CFD-DEM simulations of slurry filtration column test. <i>Tunnelling and Underground Space Technology</i> , 2019, 87, 64-77.	3.0	38
60	2D Tunnel Numerical Investigation: The Influence of the Simplified Excavation Method on Tunnel Behaviour. <i>Geotechnical and Geological Engineering</i> , 2014, 32, 43-58.	0.8	37
61	A comparative study of different reliability methods for high dimensional stochastic problems related to earth dam stability analyses. <i>Engineering Structures</i> , 2019, 188, 591-602.	2.6	37
62	Analysis of soil-welded steel mesh reinforcement interface interaction by pull-out tests. <i>Geotextiles and Geomembranes</i> , 2013, 40, 48-57.	2.3	35
63	3D numerical study of the performance of geosynthetic-reinforced and pile-supported embankments. <i>Soils and Foundations</i> , 2021, 61, 1319-1342.	1.3	35
64	Discrete Kinematic Mechanism for Nonhomogeneous Slopes and Its Application. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	34
65	Safety factor calculations of a tunnel face reinforced with umbrella pipes: A comparison analysis. <i>Engineering Structures</i> , 2019, 199, 109639.	2.6	34
66	3D Numerical Modeling of a Piled Embankment under Cyclic Loading. <i>International Journal of Geomechanics</i> , 2019, 19, .	1.3	34
67	Comparison and evaluation of analytical models for the design of geosynthetic-reinforced and pile-supported embankments. <i>Geotextiles and Geomembranes</i> , 2021, 49, 528-549.	2.3	34
68	Three-dimensional numerical simulation of mechanized twin stacked tunnels in soft ground. <i>Journal of Zhejiang University: Science A</i> , 2014, 15, 896-913.	1.3	33
69	2D numerical investigations of twin tunnel interaction. <i>Geomechanics and Engineering</i> , 2014, 6, 263-275.	0.9	32
70	Centrifuge Modeling of a Pile-Supported Granular Earth-Platform. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	1.5	30
71	Active learning relevant vector machine for reliability analysis. <i>Applied Mathematical Modelling</i> , 2021, 89, 381-399.	2.2	30
72	Extrusion movements of a tunnel head reinforced by finite length bolts—a closed-form solution using homogenization approach. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2000, 24, 533-565.	1.7	29

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73	Inkjet Printed Pressure Sensing Platform for Postural Imbalance Monitoring. IEEE Transactions on Instrumentation and Measurement, 2015, 64, 2813-2820.	2.4	29
74	Effect of the soilâ€‘pileâ€‘structure interaction in seismic analysis: case of liquefiable soils. Acta Geotechnica, 2019, 14, 1509-1525.	2.9	29
75	Soft soil layer-tunnel interaction under seismic loading. Tunnelling and Underground Space Technology, 2020, 98, 103329.	3.0	28
76	Parametric analysis and optimization of T-shaped and conventional deep cement mixing column-supported embankments. Computers and Geotechnics, 2020, 122, 103555.	2.3	27
77	Analyse tridimensionnelle en diff�rences finies de l'interaction entre une structure en b�ton et le creusement d'un tunnel � faible profondeur: 3D-finite difference analysis of the interaction between concrete building and shallow tunnelling. Geotechnique, 2004, 54, 519-528.	2.2	26
78	Experimental studies of the geosynthetic anchorage â€‘ Effect of geometric parameters and efficiency of anchorages. Geotextiles and Geomembranes, 2014, 42, 505-514.	2.3	26
79	Behavior of noncircular tunnels excavated in stratified rock masses â€‘ Case of underground coal mines. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 99-110.	3.7	26
80	Numerical study of the segmental tunnel lining behavior under a surface explosion â€‘ Impact of the longitudinal joints shape. Computers and Geotechnics, 2020, 128, 103822.	2.3	26
81	Multiphase Constitutive Model for the Design of Piled-Embankments: Comparison with Three-Dimensional Numerical Simulations. International Journal of Geomechanics, 2009, 9, 258-266.	1.3	25
82	Behaviour of segmental tunnel linings under seismic loads studied with the hyperstatic reaction method. Soil Dynamics and Earthquake Engineering, 2015, 79, 108-117.	1.9	25
83	Impact of an underlying soft soil layer on tunnel lining in seismic conditions. Tunnelling and Underground Space Technology, 2019, 90, 293-308.	3.0	25
84	Numerical study on the effect of a subway station on the surface ground motion. Computers and Geotechnics, 2019, 111, 243-254.	2.3	25
85	Three-dimensional finite difference analysis of shallow sprayed concrete tunnels crossing a reverse fault or a normal fault: A parametric study. Frontiers of Structural and Civil Engineering, 2020, 14, 998-1011.	1.2	25
86	Monitoring and numerical investigation of a rigid inclusionsâ€‘reinforced industrial building. Canadian Geotechnical Journal, 2015, 52, 1592-1604.	1.4	24
87	Significance of Rayleigh damping in nonlinear numerical seismic analysis of tunnels. Soil Dynamics and Earthquake Engineering, 2018, 115, 489-494.	1.9	24
88	Assessment of stress relief during excavation on the seismic tunnel response by the pseudo-static method. Soil Dynamics and Earthquake Engineering, 2019, 117, 384-397.	1.9	24
89	Extrusion analysis of a bolt-reinforced tunnel face with finite ground-bolt bond strength. Canadian Geotechnical Journal, 2004, 41, 326-341.	1.4	23
90	Three-Dimensional Static and Seismic Stability Analysis of a Tunnel Face Driven in Weak Rock Masses. International Journal of Geomechanics, 2018, 18, .	1.3	23

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91	Probabilistic Analysis of a Rock Tunnel Face Using Polynomial Chaos Expansion Method. International Journal of Geomechanics, 2018, 18, .	1.3	23
92	Convergence–confinement analysis of a bolt-supported tunnel using the homogenization method. Canadian Geotechnical Journal, 2006, 43, 462-483.	1.4	22
93	Reliability analysis of tunnel lining considering soil spatial variability. Engineering Structures, 2019, 196, 109332.	2.6	22
94	Influence of a weak layer on the tunnel face stability – Reliability and sensitivity analysis. Computers and Geotechnics, 2020, 122, 103507.	2.3	22
95	Probability analysis of shallow circular tunnels in homogeneous soil using the surface response methodology optimized by a genetic algorithm. Tunnelling and Underground Space Technology, 2019, 86, 22-33.	3.0	21
96	Numerical investigations of the tunnel environment effect on the performance of energy tunnels. Renewable Energy, 2021, 172, 1279-1292.	4.3	21
97	Impact of the shield machine’s performance parameters on the tunnel lining behaviour and settlements. Environmental Earth Sciences, 2021, 80, 1.	1.3	21
98	Geosynthetic-reinforced pile-supported embankments – 3D discrete numerical analyses of the interaction and mobilization mechanisms. Engineering Structures, 2021, 242, 112337.	2.6	21
99	Dynamic Response of Pile Reinforced Soils and Piled Foundations. Geotechnical and Geological Engineering, 2016, 34, 789-805.	0.8	20
100	Leachate flow around a well in MSW landfill: Analysis of field tests using Richards model. Waste Management, 2017, 63, 122-130.	3.7	20
101	Analysis of earth pressure for shallow square tunnels in anisotropic and non-homogeneous soils. Computers and Geotechnics, 2018, 104, 226-236.	2.3	20
102	Seismic behavior of circular tunnels: Influence of the initial stress state. Soil Dynamics and Earthquake Engineering, 2019, 126, 105808.	1.9	20
103	Discrete and Continuum Numerical Modeling of Soil Arching between Piles. International Journal of Geomechanics, 2019, 19, .	1.3	20
104	Geosynthetics anchorage with wrap around: experimental and numerical studies. Geosynthetics International, 2015, 22, 273-287.	1.5	19
105	A comparison of 2D and 3D numerical simulations of tunnelling in soft soils. Environmental Earth Sciences, 2017, 76, 1.	1.3	19
106	Seismic Analysis of Nonhomogeneous Slopes with Cracks Using a Discretization Kinematic Approach. International Journal of Geomechanics, 2019, 19, .	1.3	19
107	3D modeling of geosynthetic-reinforced pile-supported embankment under cyclic loading. Geosynthetics International, 2020, 27, 157-169.	1.5	19
108	– Interaction between an underground parking and twin tunnels – Case of the Shiraz subway line. Tunnelling and Underground Space Technology, 2020, 95, 103150.	3.0	19

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109	Upper bound seismic limit analysis of geosynthetic-reinforced unsaturated soil walls. <i>Geotextiles and Geomembranes</i> , 2020, 48, 419-430.	2.3	19
110	Tunnel lining design in multi-layered grounds. <i>Tunnelling and Underground Space Technology</i> , 2018, 81, 103-111.	3.0	18
111	Piezometric level prediction based on data mining techniques. <i>Neural Computing and Applications</i> , 2020, 32, 4009-4024.	3.2	18
112	Pseudo-static analysis of reinforced earth retaining walls. <i>Acta Geotechnica</i> , 2021, 16, 2275-2289.	2.9	18
113	Dynamic probabilistic analysis of non-homogeneous slopes based on a simplified deterministic model. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 142, 106563.	1.9	18
114	Bearing capacity evaluation for shallow foundations on unsaturated soils using discretization technique. <i>Computers and Geotechnics</i> , 2021, 137, 104309.	2.3	18
115	Development of a hybrid artificial intelligence model to predict the uniaxial compressive strength of a new aseismic layer made of rubber-sand concrete. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 2185-2202.	1.5	18
116	Numerical modeling of the nonlinear mechanical behavior of multilayer geosynthetic system for piggyback landfill expansions. <i>Geotextiles and Geomembranes</i> , 2016, 44, 782-798.	2.3	17
117	Probabilistic analysis of piled earth platform under concrete floor slab. <i>Soils and Foundations</i> , 2017, 57, 828-839.	1.3	17
118	An analytical model for the monitoring of pore water pressure inside embankment dams. <i>Engineering Structures</i> , 2018, 160, 356-365.	2.6	17
119	Impact of pre-existent Qanats on ground settlements due to mechanized tunneling. <i>Transportation Geotechnics</i> , 2019, 21, 100262.	2.0	17
120	Three-Dimensional Face Stability Analysis of Circular Tunnels by Numerical Simulations. , 2008, , .		16
121	The behaviour of the segmental tunnel lining studied by the hyperstatic reaction method. <i>European Journal of Environmental and Civil Engineering</i> , 0, , 1-22.	1.0	16
122	Probabilistic analysis of ultimate seismic bearing capacity of strip foundations. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2018, 10, 717-724.	3.7	16
123	Evaluation of the seismic site response in randomized velocity profiles using a statistical model with Monte Carlo simulations. <i>Computers and Geotechnics</i> , 2020, 120, 103442.	2.3	16
124	Three-dimensional face stability analysis of shallow tunnels using numerical limit analysis and material point method. <i>Tunnelling and Underground Space Technology</i> , 2021, 112, 103904.	3.0	16
125	Vertical wave barriers for vibration reduction. <i>Archive of Applied Mechanics</i> , 2021, 91, 257-276.	1.2	15
126	Numerical study of the deformation performance and failure mechanisms of TDM pile-supported embankments. <i>Transportation Geotechnics</i> , 2021, 30, 100623.	2.0	15



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127	Modélisation numérique de l'apport du renforcement par boulonnage du front de taille des tunnels. Canadian Geotechnical Journal, 2005, 42, 1656-1674.	1.4	14
128	Investigation of load transfer mechanisms in granular platforms reinforced by geosynthetics above cavities. Geotextiles and Geomembranes, 2018, 46, 611-624.	2.3	14
129	Failure potential of a circular tunnel face under steady-state unsaturated flow condition. Computers and Geotechnics, 2020, 117, 103231.	2.3	14
130	Soil spatial variability impact on the behavior of a reinforced earth wall. Frontiers of Structural and Civil Engineering, 2020, 14, 518-531.	1.2	14
131	Analytical model for the design of piled embankments considering cohesive soils. Geosynthetics International, 2022, 29, 369-388.	1.5	14
132	Hyperstatic Reaction Method for the Design of U-Shaped Tunnel Supports. International Journal of Geomechanics, 2018, 18, .	1.3	13
133	Three-dimensional numerical simulation of the Shiraz subway second line "influence of the segmental joints geometry and of the lagging distance between twin tunnels" faces. European Journal of Environmental and Civil Engineering, 2020, 24, 1606-1622.	1.0	13
134	Impedance Functions of Slab Foundations with Rigid Piles. Geotechnical and Geological Engineering, 2012, 30, 1013-1024.	0.8	12
135	Large-scale tests to assess the efficiency of a geosynthetic reinforcement over a cavity. Geosynthetics International, 2018, 25, 242-258.	1.5	12
136	Study on the behavior of squared and sub-rectangular tunnels using the Hyperstatic Reaction Method. Transportation Geotechnics, 2020, 22, 100321.	2.0	12
137	Performance-based design optimization of embankments resting on soft soil improved with T-shaped and conventional DCM columns. Acta Geotechnica, 2021, 16, 3301-3326.	2.9	12
138	Numerical modelling of a pile-supported embankment using variable inertia piles. Structural Engineering and Mechanics, 2017, 61, 245-253.	1.0	12
139	IMPACT OF BLASTING AT TUNNEL FACE ON AN EXISTING ADJACENT TUNNEL. International Journal of GEOMATE, 2018, 15, .	0.1	12
140	Probabilistic analysis of geosynthetic-reinforced and pile-supported embankments. Computers and Geotechnics, 2022, 142, 104595.	2.3	12
141	Sols renforcés par Boulonnage "Etude numérique et application au front de taille d'un tunnel profond. Geotechnique, 2002, 52, 15-27.	2.2	11
142	Experimental studies of the behaviour of geosynthetic wrap around anchorage. Geosynthetics International, 2015, 22, 249-256.	1.5	11
143	Effect of layered liquefiable deposits on the seismic response of soil-foundations-structure systems. Soil Dynamics and Earthquake Engineering, 2019, 124, 1-15.	1.9	11
144	Probabilistic assessment of an earth dam stability design using the adaptive polynomial chaos expansion. Bulletin of Engineering Geology and the Environment, 2020, 79, 4639-4655.	1.6	11

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145	Upper Bound Analysis of 3D-Reinforced Slope Stability Subjected to Pore-Water Pressure. International Journal of Geomechanics, 2020, 20, 06020002.	1.3	11
146	Probabilistic basal heave stability analyses of supported circular shafts in non-homogeneous clayey soils. Computers and Geotechnics, 2021, 140, 104457.	2.3	11
147	Numerical modelling to identify key factors controlling interface behaviour of geosynthetic lining systems. Geosynthetics International, 2017, 24, 167-183.	1.5	10
148	Stability analysis for nonhomogeneous slopes subjected to water drawdown. Journal of Central South University, 2019, 26, 1719-1734.	1.2	10
149	Effect of surcharge loading on horseshoe-shaped tunnels excavated in saturated soft rocks. Journal of Rock Mechanics and Geotechnical Engineering, 2020, 12, 1339-1346.	3.7	10
150	Stress and strain state in the segmental linings during mechanized tunnelling. Geomechanics and Engineering, 2014, 7, 75-85.	0.9	10
151	Methodology for real-time adaptation of tunnels support using the observational method. Geomechanics and Engineering, 2015, 8, 153-171.	0.9	10
152	Performance Evaluation of a Collapsible Soil Reinforced with Compacted Lateritic Soil Columns. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	9
153	Lining performance optimization of sub-rectangular tunnels using the Hyperstatic Reaction Method. Computers and Geotechnics, 2020, 117, 103279.	2.3	9
154	Modelling and comparison of different types of random fields: case of a real earth dam. Engineering With Computers, 2022, 38, 4529-4543.	3.5	9
155	2D seismic numerical analysis of segmental tunnel lining behaviour. Bulletin of the New Zealand Society for Earthquake Engineering, 2014, 47, 206-216.	0.2	9
156	Spread Foundations on Rigid Inclusions Subjected to Complex Loading: Comparison of 3D Numerical and Simplified Analytical Modelling. American Journal of Applied Sciences, 2015, 12, 533-541.	0.1	8
157	Global sensitivity analysis of probabilistic tunnel seismic deformations using sparse polynomial chaos expansions. Soil Dynamics and Earthquake Engineering, 2021, 141, 106470.	1.9	8
158	Geosynthetic reinforced piled embankment modeling using discrete and continuum approaches. Geotextiles and Geomembranes, 2021, 49, 243-256.	2.3	8
159	Investigation of the feasibility of using recycled steel fibers in tunnel lining segments. Tunnelling and Underground Space Technology, 2021, 110, 103826.	3.0	8
160	3D Numerical Analysis of a Single Footing on Soft Soil Reinforced by Rigid Inclusions. International Journal of Geomechanics, 2022, 22, .	1.3	8
161	Fostering Agriculture Environmental Awareness. , 2010, , .		7
162	A numerical modelling technique for geosynthetics validated on a cavity model test. Geotextiles and Geomembranes, 2017, 45, 339-349.	2.3	7

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163	Estimation of Dynamic Impedance of the Soil-Pile-Slab and Soil-Pile-Mattress-Slab Systems. International Journal of Structural Stability and Dynamics, 2017, 17, 1750057.	1.5	7
164	3D Numerical Modeling of Foundation Solutions for Wind Turbines. International Journal of Geomechanics, 2018, 18, .	1.3	7
165	Ultimate dynamic bearing capacity of shallow strip foundations - Reliability analysis using the response surface methodology. Soil Dynamics and Earthquake Engineering, 2021, 144, 106690.	1.9	7
166	Seismic response of a rigid foundation embedded in a viscoelastic soil by taking into account the soil-foundation interaction. Structural Engineering and Mechanics, 2016, 58, 887-903.	1.0	7
167	Probabilistic analysis of pile-reinforced slopes in spatially variable soils with rotated anisotropy. Computers and Geotechnics, 2022, 146, 104744.	2.3	7
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