

Daniel Dias

List of Publications by Year in descending order

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225
papers

7,319
citations

57719

44
h-index

76872

74
g-index

233
all docs

233
docs citations

233
times ranked

2568
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability analysis for internal seismic stability of geosynthetic-reinforced soil walls. <i>Geosynthetics International</i> , 2023, 30, 296-314.	1.5	3
2	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
3	Modelling and comparison of different types of random fields: case of a real earth dam. <i>Engineering With Computers</i> , 2022, 38, 4529-4543.	3.5	9
4	Analytical model for the design of piled embankments considering cohesive soils. <i>Geosynthetics International</i> , 2022, 29, 369-388.	1.5	14
5	A variationally consistent hyperstatic reaction method for tunnel lining design. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2022, 46, 205-217.	1.7	2
6	Probabilistic analysis of geosynthetic-reinforced and pile-supported embankments. <i>Computers and Geotechnics</i> , 2022, 142, 104595.	2.3	12
7	Behavior of Shallow Circular Tunnels – Impact of the Soil Spatial Variability. <i>Geosciences (Switzerland)</i> , 2022, 12, 97.	1.0	1
8	Behaviour of Square and Rectangular Tunnels Using an Improved Finite Element Method. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 2050.	1.3	1
9	Seismic internal stability of saturated reinforced soil retaining walls using the upper bound theorem of limit analysis. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 155, 107180.	1.9	1
10	Probabilistic analysis of pile-reinforced slopes in spatially variable soils with rotated anisotropy. <i>Computers and Geotechnics</i> , 2022, 146, 104744.	2.3	7
11	Three-dimensional probabilistic stability analysis of an earth dam using an active learning metamodeling approach. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	1.6	7
12	Numerical Investigation of the Horseshoe Tunnels Structural Behavior. <i>Indian Geotechnical Journal</i> , 2022, 52, 799-814.	0.7	1
13	3D Numerical Analysis of a Single Footing on Soft Soil Reinforced by Rigid Inclusions. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	8
14	Behavior of Axially and Eccentrically Loaded Trapezoidal Shell Footings Resting on a Granular Assembly. <i>International Journal of Geomechanics</i> , 2022, 22, .	1.3	2
15	Dynamic Soil – Structure Interaction Effects in Buildings Founded on Vertical Reinforcement Elements. <i>CivilEng</i> , 2022, 3, 573-593.	0.8	4
16	Variability of the Ypresian plastic clay of Paris. <i>Georisk</i> , 2021, 15, 59-75.	2.6	1
17	Global sensitivity analysis of probabilistic tunnel seismic deformations using sparse polynomial chaos expansions. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 141, 106470.	1.9	8
18	Active learning relevant vector machine for reliability analysis. <i>Applied Mathematical Modelling</i> , 2021, 89, 381-399.	2.2	30

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19	Geosynthetic reinforced piled embankment modeling using discrete and continuum approaches. <i>Geotextiles and Geomembranes</i> , 2021, 49, 243-256.	2.3	8
20	An improved Hyperstatic Reaction Method for tunnels under seismic loading. <i>Tunnelling and Underground Space Technology</i> , 2021, 108, 103687.	3.0	3
21	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
22	Vertical wave barriers for vibration reduction. <i>Archive of Applied Mechanics</i> , 2021, 91, 257-276.	1.2	15
23	An Efficient Solution for Reliability Analysis Considering Random Fields—Application to an Earth Dam. <i>Lecture Notes in Civil Engineering</i> , 2021, , 135-148.	0.3	0
24	Pseudo-static analysis of reinforced earth retaining walls. <i>Acta Geotechnica</i> , 2021, 16, 2275-2289.	2.9	18
25	3D Numerical Modeling of Rigid Inclusion-Improved Soft Soils Under Monotonic and Cyclic Loading—Case of a Small-Scale Laboratory Experiment. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1426.	1.3	3
26	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
27	Uplift Capacity Prediction of Continuous Helix Piles in Cohesionless Soils Using Cone Penetrometer Tests. <i>Geotechnical and Geological Engineering</i> , 2021, 39, 4933-4946.	0.8	0
28	Numerical Study of the Behavior of Back-to-Back Mechanically Stabilized Earth Walls. <i>Geotechnics</i> , 2021, 1, 18-37.	1.2	3
29	Investigation of the feasibility of using recycled steel fibers in tunnel lining segments. <i>Tunnelling and Underground Space Technology</i> , 2021, 110, 103826.	3.0	8
30	Ultimate dynamic bearing capacity of shallow strip foundations - Reliability analysis using the response surface methodology. <i>Soil Dynamics and Earthquake Engineering</i> , 2021, 144, 106690.	1.9	7
31	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
32	Performance-based design optimization of embankments resting on soft soil improved with T-shaped and conventional DCM columns. <i>Acta Geotechnica</i> , 2021, 16, 3301-3326.	2.9	12
33	Influence of Soil-Arching Effect on Tunnel Face Stability. <i>International Journal of Geomechanics</i> , 2021, 21, .	1.3	5
34	Numerical investigations of the tunnel environment effect on the performance of energy tunnels. <i>Renewable Energy</i> , 2021, 172, 1279-1292.	4.3	21
35	Impact of the shield machine's performance parameters on the tunnel lining behaviour and settlements. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	21
36	3D numerical simulations of tunneling induced soil deformations. <i>Journal of Physics: Conference Series</i> , 2021, 1973, 012207.	0.3	0

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37	Numerical study of the deformation performance and failure mechanisms of TDM pile-supported embankments. <i>Transportation Geotechnics</i> , 2021, 30, 100623.	2.0	15
38	Geosynthetic-reinforced pile-supported embankments – 3D discrete numerical analyses of the interaction and mobilization mechanisms. <i>Engineering Structures</i> , 2021, 242, 112337.	2.6	21
39	Bearing capacity evaluation for shallow foundations on unsaturated soils using discretization technique. <i>Computers and Geotechnics</i> , 2021, 137, 104309.	2.3	18
40	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
41	Probabilistic basal heave stability analyses of supported circular shafts in non-homogeneous clayey soils. <i>Computers and Geotechnics</i> , 2021, 140, 104457.	2.3	11
42	Sub-Rectangular Tunnel Behavior under Seismic Loading. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9909.	1.3	5
43	A Simplified Way to Evaluate the Effect of Temperature on a Circular Tunnel. <i>Geotechnics</i> , 2021, 1, 385-401.	1.2	3
44	Metamodel-Based Slope Reliability Analysis – Case of Spatially Variable Soils Considering a Rotated Anisotropy. <i>Geosciences (Switzerland)</i> , 2021, 11, 465.	1.0	2
45	Designing U-shaped tunnel linings in stratified soils using the hyperstatic reaction method. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 2422-2439.	1.0	4
46	3D modeling of geosynthetic-reinforced pile-supported embankment under cyclic loading. <i>Geosynthetics International</i> , 2020, 27, 157-169.	1.5	19
47	Probabilistic comparative analysis between design rules of a shallow foundation safety. <i>Georisk</i> , 2020, 14, 128-141.	2.6	1
48	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. <i>European Journal of Environmental and Civil Engineering</i> , 2020, 24, 1606-1622.	1.0	13
49	Lining performance optimization of sub-rectangular tunnels using the Hyperstatic Reaction Method. <i>Computers and Geotechnics</i> , 2020, 117, 103279.	2.3	9
50	Interaction between an underground parking and twin tunnels – Case of the Shiraz subway line. <i>Tunnelling and Underground Space Technology</i> , 2020, 95, 103150.	3.0	19
51	Piezometric level prediction based on data mining techniques. <i>Neural Computing and Applications</i> , 2020, 32, 4009-4024.	3.2	18
52	Failure potential of a circular tunnel face under steady-state unsaturated flow condition. <i>Computers and Geotechnics</i> , 2020, 117, 103231.	2.3	14
53	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
54	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

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55	Numerical study of the segmental tunnel lining behavior under a surface explosion " Impact of the longitudinal joints shape. <i>Computers and Geotechnics</i> , 2020, 128, 103822.	2.3	26
56	Effect of surcharge loading on horseshoe-shaped tunnels excavated in saturated soft rocks. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020, 12, 1339-1346.	3.7	10
57	Probabilistic assessment of an earth dam stability design using the adaptive polynomial chaos expansion. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 4639-4655.	1.6	11
58	Parametric analysis and optimization of T-shaped and conventional deep cement mixing column-supported embankments. <i>Computers and Geotechnics</i> , 2020, 122, 103555.	2.3	27
59	Three-dimensional finite difference analysis of shallow sprayed concrete tunnels crossing a reverse fault or a normal fault: A parametric study. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 998-1011.	1.2	25
60	Soft soil layer-tunnel interaction under seismic loading. <i>Tunnelling and Underground Space Technology</i> , 2020, 98, 103329.	3.0	28
61	Upper bound seismic limit analysis of geosynthetic-reinforced unsaturated soil walls. <i>Geotextiles and Geomembranes</i> , 2020, 48, 419-430.	2.3	19
62	Influence of a weak layer on the tunnel face stability " Reliability and sensitivity analysis. <i>Computers and Geotechnics</i> , 2020, 122, 103507.	2.3	22
63	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
64	Study on the behavior of squared and sub-rectangular tunnels using the Hyperstatic Reaction Method. <i>Transportation Geotechnics</i> , 2020, 22, 100321.	2.0	12
65	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
66	Upper Bound Analysis of 3D-Reinforced Slope Stability Subjected to Pore-Water Pressure. <i>International Journal of Geomechanics</i> , 2020, 20, 06020002.	1.3	11
67	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
68	U-shaped tunnel lining design using the Hyperstatic Reaction Method " Influence of the invert. <i>Soils and Foundations</i> , 2020, 60, 592-607.	1.3	5
69	Soil spatial variability impact on the behavior of a reinforced earth wall. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 518-531.	1.2	14
70	Face Stability of Tunnels in Soft Rocks. , 2020, , 623-661.		0
71	Tunnel face reliability analysis using active learning Kriging model"Case of a two-layer soils. <i>Journal of Central South University</i> , 2019, 26, 1735-1746.	1.2	6
72	Seismic behavior of circular tunnels: Influence of the initial stress state. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 126, 105808.	1.9	20

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73	Seismic Analysis of Nonhomogeneous Slopes with Cracks Using a Discretization Kinematic Approach. International Journal of Geomechanics, 2019, 19, .	1.3	19
74	Stability analysis for nonhomogeneous slopes subjected to water drawdown. Journal of Central South University, 2019, 26, 1719-1734.	1.2	10
75	Impact of pre-existent Qanats on ground settlements due to mechanized tunneling. Transportation Geotechnics, 2019, 21, 100262.	2.0	17
76	Performance Evaluation of a Collapsible Soil Reinforced with Compacted Lateritic Soil Columns. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	9
77	Safety factor calculations of a tunnel face reinforced with umbrella pipes: A comparison analysis. Engineering Structures, 2019, 199, 109639.	2.6	34
78	Three-dimensional numerical simulation of pile-twin tunnels interaction “ Case of the Shiraz subway line. Tunnelling and Underground Space Technology, 2019, 86, 75-88.	3.0	57
79	3D Numerical Modeling of a Piled Embankment under Cyclic Loading. International Journal of Geomechanics, 2019, 19, .	1.3	34
80	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
81	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
82	Reliability analysis of tunnel lining considering soil spatial variability. Engineering Structures, 2019, 196, 109332.	2.6	22
83	Seismic internal stability assessment of geosynthetic reinforced earth retaining wall in cohesive soil using limit analysis. MATEC Web of Conferences, 2019, 281, 02008.	0.1	2
84	Probabilistic stability analysis of an embankment dam considering soil spatial variability. Computers and Geotechnics, 2019, 113, 103093.	2.3	53
85	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
86	Seismic analysis of geosynthetic-reinforced retaining wall in cohesive soils. Geotextiles and Geomembranes, 2019, 47, 315-326.	2.3	39
87	A comparative study of different reliability methods for high dimensional stochastic problems related to earth dam stability analyses. Engineering Structures, 2019, 188, 591-602.	2.6	37
88	Numerical study on the effect of a subway station on the surface ground motion. Computers and Geotechnics, 2019, 111, 243-254.	2.3	25
89	Behavior of noncircular tunnels excavated in stratified rock masses “ Case of underground coal mines. Journal of Rock Mechanics and Geotechnical Engineering, 2019, 11, 99-110.	3.7	26
90	Slurry filtration process and filter cake formation during shield tunnelling: Insight from coupled CFD-DEM simulations of slurry filtration column test. Tunnelling and Underground Space Technology, 2019, 87, 64-77.	3.0	38

#	ARTICLE	IF	CITATIONS
91	Influence of the pile toe condition on the dynamic response of a group of pile foundations. <i>International Journal of Advanced Structural Engineering</i> , 2019, 11, 55-66.	1.3	1
92	Investigation of behavior of footings over rigid inclusion-reinforced soft soil: experimental and numerical approaches. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1940-1952.	1.4	6
93	Optimization of sensors locations in internal stability analysis of Geosynthetic-reinforced earth retaining walls. <i>MATEC Web of Conferences</i> , 2019, 295, 03001.	0.1	1
94	Assessment of stress relief during excavation on the seismic tunnel response by the pseudo-static method. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 117, 384-397.	1.9	24
95	Effect of the soil-pile-structure interaction in seismic analysis: case of liquefiable soils. <i>Acta Geotechnica</i> , 2019, 14, 1509-1525.	2.9	29
96	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
97	Discrete and Continuum Numerical Modeling of Soil Arching between Piles. <i>International Journal of Geomechanics</i> , 2019, 19, .	1.3	20
98	Performance and modelling of Fort-d'Issy-Vanves-Clamart metro station: A 32 m deep excavation of the Grand Paris project. , 2019, , 5964-5971.		0
99	Reliability of tunnel lining design using the Hyperstatic Reaction Method. <i>Tunnelling and Underground Space Technology</i> , 2018, 77, 59-67.	3.0	38
100	Three-Dimensional Static and Seismic Stability Analysis of a Tunnel Face Driven in Weak Rock Masses. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	23
101	An analytical model for the monitoring of pore water pressure inside embankment dams. <i>Engineering Structures</i> , 2018, 160, 356-365.	2.6	17
102	Geosynthetic reinforcement of pile-supported embankments. <i>Geosynthetics International</i> , 2018, 25, 37-49.	1.5	50
103	Large-scale tests to assess the efficiency of a geosynthetic reinforcement over a cavity. <i>Geosynthetics International</i> , 2018, 25, 242-258.	1.5	12
104	Probabilistic Analysis of a Rock Tunnel Face Using Polynomial Chaos Expansion Method. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	23
105	Simplified approach to the design of segmental tunnel linings. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018, 171, 209-214.	0.9	5
106	Hyperstatic Reaction Method for the Design of U-Shaped Tunnel Supports. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	13
107	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
108	Three dimensional face stability of a tunnel in weak rock masses subjected to seepage forces. <i>Tunnelling and Underground Space Technology</i> , 2018, 71, 555-566.	3.0	108

#	ARTICLE	IF	CITATIONS
109	Significance of Rayleigh damping in nonlinear numerical seismic analysis of tunnels. <i>Soil Dynamics and Earthquake Engineering</i> , 2018, 115, 489-494.	1.9	24
110	Discrete Kinematic Mechanism for Nonhomogeneous Slopes and Its Application. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	34
111	3D Numerical Modeling of Foundation Solutions for Wind Turbines. <i>International Journal of Geomechanics</i> , 2018, 18, .	1.3	7
112	Analysis of earth pressure for shallow square tunnels in anisotropic and non-homogeneous soils. <i>Computers and Geotechnics</i> , 2018, 104, 226-236.	2.3	20
113	Investigation of load transfer mechanisms in granular platforms reinforced by geosynthetics above cavities. <i>Geotextiles and Geomembranes</i> , 2018, 46, 611-624.	2.3	14
114	Reliability analysis of embankment dam sliding stability using the sparse polynomial chaos expansion. <i>Engineering Structures</i> , 2018, 174, 295-307.	2.6	64
115	Tunnel lining design in multi-layered grounds. <i>Tunnelling and Underground Space Technology</i> , 2018, 81, 103-111.	3.0	18
116	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
117	IMPACT OF BLASTING AT TUNNEL FACE ON AN EXISTING ADJACENT TUNNEL. <i>International Journal of GEOMATE</i> , 2018, 15, .	0.1	12
118	A comparison of 2D and 3D numerical simulations of tunnelling in soft soils. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	19
119	A numerical modelling technique for geosynthetics validated on a cavity model test. <i>Geotextiles and Geomembranes</i> , 2017, 45, 339-349.	2.3	7
120	Safety factor assessment of a tunnel face reinforced by horizontal dowels. <i>Engineering Structures</i> , 2017, 142, 56-66.	2.6	46
121	An efficient reliability method combining adaptive Support Vector Machine and Monte Carlo Simulation. <i>Structural Safety</i> , 2017, 67, 85-95.	2.8	198
122	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
123	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
124	Three-Dimensional Stability of a Slope Subjected to Seepage Forces. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	76
125	Upper-bound analysis on the face stability of a non-circular tunnel. <i>Tunnelling and Underground Space Technology</i> , 2017, 62, 96-102.	3.0	122
126	Reliability analysis of shallow tunnels using the response surface methodology. <i>Underground Space (China)</i> , 2017, 2, 246-258.	3.4	39

#	ARTICLE	IF	CITATIONS
127	Probabilistic analysis of piled earth platform under concrete floor slab. <i>Soils and Foundations</i> , 2017, 57, 828-839.	1.3	17
128	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
129	Estimation of Dynamic Impedance of the Soil-Pile-Slab and Soil-Pile-Mattress-Slab Systems. <i>International Journal of Structural Stability and Dynamics</i> , 2017, 17, 1750057.	1.5	7
130	Leachate flow around a well in MSW landfill: Analysis of field tests using Richards model. <i>Waste Management</i> , 2017, 63, 122-130.	3.7	20
131	A New Approach for Incorporating Hoek-Brown Failure Criterion in Kinematic Approach Case of a Rock Slope. <i>International Journal of Structural Stability and Dynamics</i> , 2017, 17, 1771008.	1.5	5
132	Numerical modelling to identify key factors controlling interface behaviour of geosynthetic lining systems. <i>Geosynthetics International</i> , 2017, 24, 167-183.	1.5	10
133	Numerical modelling of a pile-supported embankment using variable inertia piles. <i>Structural Engineering and Mechanics</i> , 2017, 61, 245-253.	1.0	12
134	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
135	The effect of pore water pressure on tunnel face stability. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2016, 40, 2123-2136.	1.7	129
136	Tunnel engineering - influence of the type and the quantity of measurements in the back analysis of geomechanical parameters. <i>European Journal of Environmental and Civil Engineering</i> , 2016, 20, 60-78.	1.0	3
137	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
138	Dynamic Response of Pile Reinforced Soils and Piled Foundations. <i>Geotechnical and Geological Engineering</i> , 2016, 34, 789-805.	0.8	20
139	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
140	Seismic response of a rigid foundation embedded in a viscoelastic soil by taking into account the soil-foundation interaction. <i>Structural Engineering and Mechanics</i> , 2016, 58, 887-903.	1.0	7
141	Spread Foundations on Rigid Inclusions Subjected to Complex Loading: Comparison of 3D Numerical and Simplified Analytical Modelling. <i>American Journal of Applied Sciences</i> , 2015, 12, 533-541.	0.1	8
142	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
143	Development of a single-phase anti-island analysis platform according to NBR-IEC 62116 standard. , 2015, , .		0
144	2D numerical investigation of segmental tunnel lining under seismic loading. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 72, 66-76.	1.9	49

#	ARTICLE	IF	CITATIONS
145	Experimental studies of the behaviour of geosynthetic wrap around anchorage. <i>Geosynthetics International</i> , 2015, 22, 249-256.	1.5	11
146	Monitoring and numerical investigation of a rigid inclusionsâ€“reinforced industrial building. <i>Canadian Geotechnical Journal</i> , 2015, 52, 1592-1604.	1.4	24
147	Three-dimensional face stability analysis of pressurized tunnels driven in a multilayered purely frictional medium. <i>Tunnelling and Underground Space Technology</i> , 2015, 49, 18-34.	3.0	142
148	Behaviour of segmental tunnel linings under seismic loads studied with the hyperstatic reaction method. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 79, 108-117.	1.9	25
149	Geosynthetics anchorage with wrap around: experimental and numerical studies. <i>Geosynthetics International</i> , 2015, 22, 273-287.	1.5	19
150	Inkjet Printed Pressure Sensing Platform for Postural Imbalance Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2015, 64, 2813-2820.	2.4	29
151	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
152	Methodology for real-time adaptation of tunnels support using the observational method. <i>Geomechanics and Engineering</i> , 2015, 8, 153-171.	0.9	10
153	Stability and risk analysis of ancient cavities in historical areas: The case of Yulin Caves, China. , 2015, , 411-418.		0
154	Centrifuge Modeling of a Pile-Supported Granular Earth-Platform. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014, 140, .	1.5	30
155	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
156	Internal forces in segmental tunnel liningsâ€“a comparison between current design methods. <i>Journal of Mining Science</i> , 2014, 50, 326-334.	0.1	3
157	Three-dimensional numerical simulation for mechanized tunnelling in soft ground: the influence of the joint pattern. <i>Acta Geotechnica</i> , 2014, 9, 673-694.	2.9	114
158	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
159	Three-dimensional numerical simulation of a mechanized twin tunnels in soft ground. <i>Tunnelling and Underground Space Technology</i> , 2014, 42, 40-51.	3.0	165
160	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
161	Pressure sensing platform for health monitoring. , 2014, , .		6
162	Numerical analysis of a geosynthetic-reinforced piled load transfer platform â€“ Validation on centrifuge test. <i>Geotextiles and Geomembranes</i> , 2014, 42, 525-539.	2.3	51

#	ARTICLE	IF	CITATIONS
163	Experimental studies of the geosynthetic anchorage " Effect of geometric parameters and efficiency of anchorages. Geotextiles and Geomembranes, 2014, 42, 505-514.	2.3	26
164	Field monitoring and analyses of the response of a block-faced geogrid wall using fine-grained tropical soils. Geotextiles and Geomembranes, 2014, 42, 127-138.	2.3	65
165	Analysis of the performance of an evolutionary computation algorithm in the identification of geomechanical parameters in underground works. , 2014, , 977-982.		1
166	2D numerical investigations of twin tunnel interaction. Geomechanics and Engineering, 2014, 6, 263-275.	0.9	32
167	Stress and strain state in the segmental linings during mechanized tunnelling. Geomechanics and Engineering, 2014, 7, 75-85.	0.9	10
168	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
169	Probabilistic analyses of tunneling-induced ground movements. Acta Geotechnica, 2013, 8, 181-199.	2.9	110
170	Analysis of soil-welded steel mesh reinforcement interface interaction by pull-out tests. Geotextiles and Geomembranes, 2013, 40, 48-57.	2.3	35
171	2D numerical investigation of segmental tunnel lining behavior. Tunnelling and Underground Space Technology, 2013, 37, 115-127.	3.0	167
172	Back analysis of geomechanical parameters in underground works using an Evolution Strategy algorithm. Tunnelling and Underground Space Technology, 2013, 33, 143-158.	3.0	46
173	Movements caused by the excavation of tunnels using face pressurized shields " Analysis of monitoring and numerical modeling results. Engineering Geology, 2013, 152, 17-25.	2.9	94
174	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
175	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
176	The Research and Application of Masonry Structure Reliability Rating Method Based on Extensics. Applied Mechanics and Materials, 2013, 291-294, 1029-1038.	0.2	0
177	Range of the Safe Retaining Pressures of a Pressurized Tunnel Face by a Probabilistic Approach. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1954-1967.	1.5	49
178	Modélisation numérique bidimensionnelle de murs en Terre Armée. European Journal of Environmental and Civil Engineering, 2012, 16, 1143-1167.	1.0	3
179	Ultimate bearing capacity of reinforced concrete masonry columns subjected to eccentric load. European Journal of Environmental and Civil Engineering, 2012, 16, 683-698.	1.0	1
180	Modélisation physique et analytique de renforcements extensibles " Développement d'une nouvelle armature. European Journal of Environmental and Civil Engineering, 2012, 16, 1115-1142.	1.0	4

#	ARTICLE	IF	CITATIONS
181	Impedance Functions of Slab Foundations with Rigid Piles. <i>Geotechnical and Geological Engineering</i> , 2012, 30, 1013-1024.	0.8	12
182	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
183	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
184	Rotational failure mechanisms for the face stability analysis of tunnels driven by a pressurized shield. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2011, 35, 1363-1388.	1.7	333
185	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
186	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
187	Extension of CSRSM for the Parametric Study of the Face Stability of Pressurized Tunnels. , 2011, , .		2
188	Influence of the Scale of Fluctuation of the Friction Angle on the Face Stability of a Pressurized Tunnel in Sands. , 2011, , .		6
189	Validation of a New 2D Failure Mechanism for the Stability Analysis of a Pressurized Tunnel Face in a Spatially Varying Sand. <i>Journal of Engineering Mechanics - ASCE</i> , 2011, 137, 8-21.	1.6	130
190	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
191	Use of lime and cement treated soils as pile supported load transfer platform. <i>Engineering Geology</i> , 2010, 114, 34-44.	2.9	114
192	Physical and analytical modelling of geosynthetic strip pull-out behaviour. <i>Geotextiles and Geomembranes</i> , 2010, 28, 44-53.	2.3	54
193	Face Stability Analysis of Circular Tunnels Driven by a Pressurized Shield. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2010, 136, 215-229.	1.5	258
194	A New 2D Failure Mechanism for Face Stability Analysis of a Pressurized Tunnel in Spatially Variable Sands. , 2010, , .		3
195	Fostering Agriculture Environmental Awareness. , 2010, , .		7
196	Probabilistic Analysis of the Face Stability of Circular Tunnels. , 2009, , .		4
197	Probabilistic Analysis and Design of Circular Tunnels against Face Stability. <i>International Journal of Geomechanics</i> , 2009, 9, 237-249.	1.3	179
198	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

#	ARTICLE	IF	CITATIONS
199	Three-Dimensional Numerical Modeling of a Piled Embankment. International Journal of Geomechanics, 2009, 9, 102-112.	1.3	98
200	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
201	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
202	Impact of constitutive models on the numerical analysis of underground constructions. Acta Geotechnica, 2008, 3, 251-258.	2.9	75
203	Three-Dimensional Face Stability Analysis of Circular Tunnels by a Kinematical Approach. , 2008, , .		40
204	Analytical Modelling of Pull-Out Tests on Geosynthetic Straps. , 2008, , .		1
205	Three-Dimensional Face Stability Analysis of Circular Tunnels by Numerical Simulations. , 2008, , .		16
206	Physical Model and Discrete Element Method Analysis of a Granular Platform Supported by Piles in Soft Soil. , 2008, , .		1
207	Determination of soil parameters from an inverse analysis of a tunnel excavation. , 2007, , .		0
208	Assessment of Soil Parameters Met during a Tunnel Excavation: Use of Inverse Analysis on In Situ Measurements – Case of Bois de Peu (France). , 2007, , .		1
209	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
210	Influence of vertical rigid piles as ground improvement technique over a roadway embankment. 2D & 3D numerical modelling. , 2007, , .		0
211	Numerical analysis of the Venda Nova II powerhouse complex. , 2007, , .		0
212	Three-dimensional finite-difference modeling of a piled embankment on soft ground. , 2007, , .		0
213	Convergence–confinement analysis of a bolt-supported tunnel using the homogenization method. Canadian Geotechnical Journal, 2006, 43, 462-483.	1.4	22
214	Two-dimensional physical modelling of soft ground improvement by vertical rigid piles. , 2006, , .		2
215	Soft Ground Improvement by Vertical Rigid Piles Two-Dimensional Physical Modelling and Comparison with Current Design Methods. Soils and Foundations, 2005, 45, 15-30.	1.3	67
216	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

#	ARTICLE	IF	CITATIONS
217	Extrusion analysis of a bolt-reinforced tunnel face with finite ground-bolt bond strength. Canadian Geotechnical Journal, 2004, 41, 326-341.	1.4	23
218	Analyse tridimensionnelle en différences finies de l'interaction entre une structure en béton et le creusement d'un tunnel à faible profondeur: 3D-finite difference analysis of the interaction between concrete building and shallow tunnelling. Geotechnique, 2004, 54, 519-528.	2.2	26
219	Sols renforcés par Boulonnage – Etude numérique et application au front de taille d'un tunnel profond. Geotechnique, 2002, 52, 15-27.	2.2	11
220	Sols renforcés par Boulonnage – Etude numérique et application au front de taille d'un tunnel profond. Geotechnique, 2002, 52, 15-27.	2.2	2
221	Modélisation numérique du renforcement du front de taille d'un tunnel Influence de la loi d'ancrage sol/boulon. Revue Européenne De Génie Civil, 2002, 6, 749-762.	0.0	1
222	Extrusion movements of a tunnel head reinforced by finite length bolts – a closed-form solution using homogenization approach. International Journal for Numerical and Analytical Methods in Geomechanics, 2000, 24, 533-565.	1.7	29
223	The behaviour of the segmental tunnel lining studied by the hyperstatic reaction method. European Journal of Environmental and Civil Engineering, 0, , 1-22.	1.0	16
224	A Practical Framework for Probabilistic Analysis of Embankment Dams. , 0, , .		2
225	Sub-rectangular Tunnel Behaviour under Static Loading. Transportation Infrastructure Geotechnology, 0, , 1.	1.9	0