

Qiu-Jing Pan

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,693
citations

279798

23
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

728
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient reliability method combining adaptive Support Vector Machine and Monte Carlo Simulation. <i>Structural Safety</i> , 2017, 67, 85-95.	5.3	198
2	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.	3.3	129
3	Upper-bound analysis on the face stability of a non-circular tunnel. <i>Tunnelling and Underground Space Technology</i> , 2017, 62, 96-102.	6.2	122
4	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.	6.2	108
5	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, .	2.7	100
6	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.	5.7	97
7	Three-Dimensional Stability of a Slope Subjected to Seepage Forces. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	76
8	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.	8.9	70
9	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.	4.7	65
10	Probabilistic stability analysis of an embankment dam considering soil spatial variability. <i>Computers and Geotechnics</i> , 2019, 113, 103093.	4.7	53
11	Safety factor assessment of a tunnel face reinforced by horizontal dowels. <i>Engineering Structures</i> , 2017, 142, 56-66.	5.3	46
12	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, .	4.7	45
13	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.	3.3	45
14	Bayesian estimation of spatially varying soil parameters with spatiotemporal monitoring data. <i>Acta Geotechnica</i> , 2021, 16, 263-278.	5.7	41
15	Discrete Kinematic Mechanism for Nonhomogeneous Slopes and Its Application. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	34
16	Safety factor calculations of a tunnel face reinforced with umbrella pipes: A comparison analysis. <i>Engineering Structures</i> , 2019, 199, 109639.	5.3	34
17	An improved numerical approach in surrounding rock incorporating rockbolt effectiveness and seepage force. <i>Acta Geotechnica</i> , 2018, 13, 707-727.	5.7	30
18	Active learning relevant vector machine for reliability analysis. <i>Applied Mathematical Modelling</i> , 2021, 89, 381-399.	4.2	30

#	ARTICLE	IF	CITATIONS
19	Stability Charts for Rock Slopes Subjected to Water Drawdown Based on the Modified Nonlinear Hoek-Brown Failure Criterion. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	29
20	Estimations of active and passive earth thrusts of non-homogeneous frictional soils using a discretisation technique. <i>Computers and Geotechnics</i> , 2020, 119, 103366.	4.7	29
21	Three-dimensional seismic stability of slopes reinforced by soil nails. <i>Computers and Geotechnics</i> , 2020, 127, 103768.	4.7	28
22	Earthquake-induced slope displacements in heterogeneous soils with tensile strength cut-off. <i>Computers and Geotechnics</i> , 2020, 124, 103637.	4.7	27
23	Three-Dimensional Static and Seismic Stability Analysis of a Tunnel Face Driven in Weak Rock Masses. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	23
24	Probabilistic Analysis of a Rock Tunnel Face Using Polynomial Chaos Expansion Method. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	23
25	Discretization-based kinematical analysis of three-dimensional seismic active earth pressures under nonlinear failure criterion. <i>Computers and Geotechnics</i> , 2020, 126, 103739.	4.7	22
26	Influence of a weak layer on the tunnel face stability – Reliability and sensitivity analysis. <i>Computers and Geotechnics</i> , 2020, 122, 103507.	4.7	22
27	Probabilistic seismic stability of three-dimensional slopes by pseudo-dynamic approach. <i>Journal of Central South University</i> , 2019, 26, 1687-1695.	3.0	18
28	3D Discretized Rotational Failure Mechanism for Slope Stability Analysis. <i>International Journal of Geomechanics</i> , 2021, 21, .	2.7	17
29	Effect of soil spatial variability on failure mechanisms and undrained capacities of strip foundations under uniaxial loading. <i>Computers and Geotechnics</i> , 2021, 139, 104387.	4.7	16
30	Stochastic seismic slope stability assessment using polynomial chaos expansions combined with relevance vector machine. <i>Geoscience Frontiers</i> , 2021, 12, 405-414.	8.4	15
31	Three-dimensional tunnel face stability considering slurry pressure transfer mechanisms. <i>Tunnelling and Underground Space Technology</i> , 2022, 125, 104524.	6.2	15
32	Probabilistic analysis of strip footings on spatially variable soils with linearly increasing shear strength. <i>Computers and Geotechnics</i> , 2020, 126, 103653.	4.7	13
33	An efficient method combining polynomial-chaos kriging and adaptive radial-based importance sampling for reliability analysis. <i>Computers and Geotechnics</i> , 2021, 140, 104434.	4.7	11
34	Probabilistic failure envelopes of strip foundations on soils with non-stationary characteristics of undrained shear strength. <i>Geotechnique</i> , 2023, 73, 716-735.	4.0	9
35	Probabilistic Stability Analysis of a Tunnel Face in Spatially Random Hoek-Brown Rock Masses with a Multi-Tangent Method. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 3545-3561.	5.4	9
36	A Novel Index to Evaluate the Workability of Conditioned Coarse-Grained Soil for EPB Shield Tunnelling. <i>Journal of Construction Engineering and Management - ASCE</i> , 2022, 148, .	3.8	9

#	ARTICLE	IF	CITATIONS
37	Three-dimensional upper-bound analysis of rock slopes subjected to seepage forces based on Hoek-Brown failure criterion. Computers and Geotechnics, 2021, 138, 104310.	4.7	7
38	Stability Assessments of Reinforced Tunnel Face Using Improved Homogenization Approach. International Journal of Geomechanics, 2021, 21, .	2.7	6
39	A New Approach for Incorporating Hoek’s Brown Failure Criterion in Kinematic Approach Case of a Rock Slope. International Journal of Structural Stability and Dynamics, 2017, 17, 1771008.	2.4	5
40	A sequential sparse polynomial chaos expansion using Voronoi exploration and local linear approximation exploitation for slope reliability analysis. Computers and Geotechnics, 2021, 133, 104059.	4.7	5
41	Kinematical analysis of highway tunnel collapse using nonlinear failure criterion. Journal of Central South University, 2014, 21, 381-386.	3.0	4
42	Kinematic analysis of geosynthetics-reinforced steep slopes with curved sloping surfaces and under earthquake regions. Journal of Central South University, 2019, 26, 1755-1768.	3.0	3
43	Probabilistic evaluation of three-dimensional seismic active earth pressures using sparse polynomial chaos expansions. Computers and Geotechnics, 2021, 129, 103869.	4.7	3
44	Active Earth Pressures on Translating Rigid Walls against Backfills with Varying Friction-Angle Distribution. International Journal of Geomechanics, 2021, 21, 06021024.	2.7	2
45	An Efficient Solution for Reliability Analysis Considering Random Fields Application to an Earth Dam. Lecture Notes in Civil Engineering, 2021, , 135-148.	0.4	0