# Qiu-Jing Pan

List of Publications by Year
in descending order

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|---|---|---|---|
| 45<br>papers | 1,693<br>citations | 279798<br>23<br>h-index | 289244<br>40<br>g-index |
| 45<br>all docs | 45<br>docs citations | 45<br>times ranked | 728<br>citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Probabilistic failure envelopes of strip foundations on soils with non-stationary characteristics of undrained shear strengthÂ. Geotechnique, 2023, 73, 716-735. | 4.0 | 9 |
| 2 | Probabilistic Stability Analysis of a Tunnel Face in Spatially Random Hoekâ€"Brown Rock Masses with a Multi-Tangent Method. Rock Mechanics and Rock Engineering, 2022, 55, 3545-3561. | 5.4 | 9 |
| 3 | A Novel Index to Evaluate the Workability of Conditioned Coarse-Grained Soil for EPB Shield Tunnelling. Journal of Construction Engineering and Management - ASCE, 2022, 148, . | 3.8 | 9 |
| 4 | Three-dimensional tunnel face stability considering slurry pressure transfer mechanisms. Tunnelling and Underground Space Technology, 2022, 125, 104524. | 6.2 | 15 |
| 5 | Stochastic seismic slope stability assessment using polynomial chaos expansions combined with relevance vector machine. Geoscience Frontiers, 2021, 12, 405-414. | 8.4 | 15 |
| 6 | Bayesian estimation of spatially varying soil parameters with spatiotemporal monitoring data. Acta Geotechnica, 2021, 16, 263-278. | 5.7 | 41 |
| 7 | Probabilistic evaluation of three-dimensional seismic active earth pressures using sparse polynomial chaos expansions. Computers and Geotechnics, 2021, 129, 103869. | 4.7 | 3 |
| 8 | Active learning relevant vector machine for reliability analysis. Applied Mathematical Modelling, 2021, 89, 381-399. | 4.2 | 30 |
| 9 | An Efficient Solution for Reliability Analysis Considering Random Fieldsâ€"Application to an Earth Dam. Lecture Notes in Civil Engineering, 2021, , 135-148. | 0.4 | 0 |
| 10 | 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 |
| 11 | Stability Assessments of Reinforced Tunnel Face Using Improved Homogenization Approach. International Journal of Geomechanics, 2021, 21, . | 2.7 | 6 |
| 12 | 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 |
| 13 | Active Earth Pressures on Translating Rigid Walls against Backfills with Varying Friction-Angle Distribution. International Journal of Geomechanics, 2021, 21, 06021024. | 2.7 | 2 |
| 14 | 3D Discretized Rotational Failure Mechanism for Slope Stability Analysis. International Journal of Geomechanics, 2021, 21, . | 2.7 | 17 |
| 15 | Effect of soil spatial variability on failure mechanisms and undrained capacities of strip foundations under uniaxial loading. Computers and Geotechnics, 2021, 139, 104387. | 4.7 | 16 |
| 16 | An efficient method combining polynomial-chaos kriging and adaptive radial-based importance sampling for reliability analysis. Computers and Geotechnics, 2021, 140, 104434. | 4.7 | 11 |
| 17 | Incorporating stratigraphic boundary uncertainty into reliability analysis of slopes in spatially variable soils using one-dimensional conditional Markov chain model. Computers and Geotechnics, 2020, 118, 103321. | 4.7 | 65 |
| 18 | Estimations of active and passive earth thrusts of non-homogeneous frictional soils using a discretisation technique. Computers and Geotechnics, 2020, 119, 103366. | 4.7 | 29 |

| # | Article | IF | Citations |
|---|---------|----|-----------|
| 19 | Probabilistic analysis of strip footings on spatially variable soils with linearly increasing shear strength. Computers and Geotechnics, 2020, 126, 103653. | 4.7 | 13 |
| 20 | Three-dimensional seismic stability of slopes reinforced by soil nails. Computers and Geotechnics, 2020, 127, 103768. | 4.7 | 28 |
| 21 | Discretization-based kinematical analysis of three-dimensional seismic active earth pressures under nonlinear failure criterion. Computers and Geotechnics, 2020, 126, 103739. | 4.7 | 22 |
| 22 | Earthquake-induced slope displacements in heterogeneous soils with tensile strength cut-off. Computers and Geotechnics, 2020, 124, 103637. | 4.7 | 27 |
| 23 | Influence of a weak layer on the tunnel face stability – Reliability and sensitivity analysis. Computers and Geotechnics, 2020, 122, 103507. | 4.7 | 22 |
| 24 | A sequential sparse polynomial chaos expansion using Bayesian regression for geotechnical reliability estimations. International Journal for Numerical and Analytical Methods in Geomechanics, 2020, 44, 874-889. | 3.3 | 45 |
| 25 | Probabilistic seismic stability of three-dimensional slopes by pseudo-dynamic approach. Journal of Central South University, 2019, 26, 1687-1695. | 3.0 | 18 |
| 26 | 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 |
| 27 | Safety factor calculations of a tunnel face reinforced with umbrella pipes: A comparison analysis. Engineering Structures, 2019, 199, 109639. | 5.3 | 34 |
| 28 | Probabilistic stability analysis of an embankment dam considering soil spatial variability. Computers and Geotechnics, 2019, 113, 103093. | 4.7 | 53 |
| 29 | An improved numerical approach in surrounding rock incorporating rockbolt effectiveness and seepage force. Acta Geotechnica, 2018, 13, 707-727. | 5.7 | 30 |
| 30 | Three-Dimensional Static and Seismic Stability Analysis of a Tunnel Face Driven in Weak Rock Masses. International Journal of Geomechanics, 2018, 18, . | 2.7 | 23 |
| 31 | Probabilistic Analysis of a Rock Tunnel Face Using Polynomial Chaos Expansion Method. International Journal of Geomechanics, 2018, 18, . | 2.7 | 23 |
| 32 | Three dimensional face stability of a tunnel in weak rock masses subjected to seepage forces. Tunnelling and Underground Space Technology, 2018, 71, 555-566. | 6.2 | 108 |
| 33 | Stability Charts for Rock Slopes Subjected to Water Drawdown Based on the Modified Nonlinear Hoek-Brown Failure Criterion. International Journal of Geomechanics, 2018, 18, . | 2.7 | 29 |
| 34 | Discrete Kinematic Mechanism for Nonhomogeneous Slopes and Its Application. International Journal of Geomechanics, 2018, 18, . | 2.7 | 34 |
| 35 | Safety factor assessment of a tunnel face reinforced by horizontal dowels. Engineering Structures, 2017, 142, 56-66. | 5.3 | 46 |
| 36 | An efficient reliability method combining adaptive Support Vector Machine and Monte Carlo Simulation. Structural Safety, 2017, 67, 85-95. | 5.3 | 198 |

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|---|---|---|---|
| 37 | Probabilistic Stability Analysis of a Three-Dimensional Rock Slope Characterized by the Hoek-Brown Failure Criterion. Journal of Computing in Civil Engineering, 2017, 31, . | 4.7 | 45 |
| 38 | Probabilistic evaluation of tunnel face stability in spatially random soils using sparse polynomial chaos expansion with global sensitivity analysis. Acta Geotechnica, 2017, 12, 1415-1429. | 5.7 | 97 |
| 39 | Three-Dimensional Stability of a Slope Subjected to Seepage Forces. International Journal of Geomechanics, 2017, 17, . | 2.7 | 76 |
| 40 | Upper-bound analysis on the face stability of a non-circular tunnel. Tunnelling and Underground Space Technology, 2017, 62, 96-102. | 6.2 | 122 |
| 41 | Sliced inverse regression-based sparse polynomial chaos expansions for reliability analysis in high dimensions. Reliability Engineering and System Safety, 2017, 167, 484-493. | 8.9 | 70 |
| 42 | A New Approach for Incorporating Hoekâ€"Brown Failure Criterion in Kinematic ApproachÂâ€" Case of a Rock Slope. International Journal of Structural Stability and Dynamics, 2017, 17, 1771008. | 2.4 | 5 |
| 43 | The effect of pore water pressure on tunnel face stability. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 2123-2136. | 3.3 | 129 |
| 44 | Face Stability Analysis for a Shield-Driven Tunnel in Anisotropic and Nonhomogeneous Soils by the Kinematical Approach. International Journal of Geomechanics, 2016, 16, . | 2.7 | 100 |
| 45 | Kinematical analysis of highway tunnel collapse using nonlinear failure criterion. Journal of Central South University, 2014, 21, 381-386. | 3.0 | 4 |