

# Sina Javankhoshdel

## List of Publications by Year in descending order

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26  
papers

621  
citations

759233

12  
h-index

752698

20  
g-index

27  
all docs

27  
docs citations

27  
times ranked

270  
citing authors

#	ARTICLE	IF	CITATIONS
1	Scale of Fluctuation for Spatially Varying Soils: Estimation Methods and Values. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, .	1.7	82
2	Simplified probabilistic slope stability design charts for cohesive and cohesive-frictional (<i>c</i>-<i>φ</i>) soils. Canadian Geotechnical Journal, 2014, 51, 1033-1045.	2.8	77
3	Probabilistic stability analysis of simple reinforced slopes by finite element method. Computers and Geotechnics, 2016, 77, 45-55.	4.7	71
4	Influence of cross correlation between soil parameters on probability of failure of simple cohesive and <i>c</i>-<i>φ</i> slopes. Canadian Geotechnical Journal, 2016, 53, 839-853.	2.8	61
5	Probabilistic analysis of simple slopes with cohesive soil strength using RLEM and RFEM. Georisk, 2017, 11, 231-246.	3.5	49
6	LRFD Calibration of Simple Soil-Structure Limit States Considering Method Bias and Design Parameter Variability. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	3.0	44
7	Influence of model type, bias and input parameter variability on reliability analysis for simple limit states in soil-structure interaction problems. Georisk, 2017, 11, 42-54.	3.5	40
8	Deterministic and probabilistic failure analysis of simple geosynthetic reinforced soil slopes. Geosynthetics International, 2017, 24, 14-29.	2.9	39
9	Statistical analysis of the effective stress method and modifications for prediction of ultimate bond strength of soil nails. Acta Geotechnica, 2017, 12, 171-182.	5.7	26
10	Surface altering optimisation in slope stability analysis with non-circular failure for random limit equilibrium method. Georisk, 2021, 15, 260-286.	3.5	18
11	Performance-based analysis and design for internal stability of MSE walls. Georisk, 2019, 13, 214-225.	3.5	13
12	Discussion of "Probabilistic seismic slope stability analysis and design". Canadian Geotechnical Journal, 2020, 57, 1103-1108.	2.8	13
13	Stochastic optimization model for determining support system parameters of a subway station. Expert Systems With Applications, 2022, 203, 117509.	7.6	13
14	Noncircular Deterministic and Stochastic Slope Stability Analyses and Design of Simple Geosynthetic-Reinforced Soil Slopes. International Journal of Geomechanics, 2021, 21, .	2.7	12
15	Conventional vs. modified pseudo-dynamic seismic analyses in the shallow strip footing bearing capacity problem. Earthquake Engineering and Engineering Vibration, 2021, 20, 993-1006.	2.3	12
16	Probabilistic Analysis of Slopes with Linearly Increasing Undrained Shear Strength Using RLEM Approach. Transportation Infrastructure Geotechnology, 2021, 8, 114-141.	3.1	11
17	Influence of Mesh Size, Number of Slices, and Number of Simulations in Probabilistic Analysis of Slopes Considering 2D Spatial Variability of Soil Properties. , 2018, , .		10
18	NURBS Surface-Altering Optimization for Identifying Critical Slip Surfaces in 3D Slopes. International Journal of Geomechanics, 2022, 22, .	2.7	8

#	ARTICLE	IF	CITATIONS
19	Seismic Bearing Capacity of Shallow Strip Footings on Sand Deposits with Weak Inter-layer. Geotechnical and Geological Engineering, 2020, 38, 6741-6754.	1.7	6
20	Influence of model type, bias and input parameter variability on reliability analysis for simple limit states with two load terms. Computers and Geotechnics, 2018, 97, 78-89.	4.7	3
21	Probabilistic Analysis of Layered Slopes with Linearly Increasing Cohesive Strength and 2D Spatial Variability of Soil Strength Parameters Using Non-Circular RLEM Approach. , 2018, , .		3
22	Probabilistic Analysis of a MSE Wall Considering Spatial Variability of Soil Properties. , 2019, , .		2
23	Full and Quasi-Stochastic Slope Stability Analyses Using Random Limit Equilibrium Method (RLEM). , 2020, , .		2
24	RLEM versus RFEM in Stochastic Slope Stability Analyses in Geomechanics. , 2022, , .		2
25	Reply to the discussion by Ni et al. on "Simplified probabilistic slope stability design charts for cohesive and cohesive-frictional (c- $\phi$ ) soils", Canadian Geotechnical Journal, 2015, 52, 252-252.	2.8	0
26	ARMA Models to Measure the Scale of Fluctuation from CPT Data. Open Construction and Building Technology Journal, 2020, 14, 230-236.	0.7	0