

Kok Kwang Phoon

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

272
papers

9,215
citations

49
h-index

85
g-index

296
ext. papers

10,882
ext. citations

3.3
avg, IF

6.89
L-index

#	Paper	IF	Citations
272	Improved coupled Markov chain method for simulating geological uncertainty. <i>Engineering Geology</i> , 2022 , 298, 106539	6	5
271	On the importance of landslide management: Insights from a 32-year database of landslide consequences and rainfall in Hong Kong. <i>Engineering Geology</i> , 2022 , 299, 106578	6	1
270	Homogenizing spatially variable Young modulus using pseudo incremental energy method. <i>Structural Safety</i> , 2022 , 97, 102226	4.9	1
269	Distribution-free P-box processes based on translation theory: Definition and simulation. <i>Probabilistic Engineering Mechanics</i> , 2022 , 69, 103287	2.6	0
268	Sufficient conditions for equivalence between safety factor-based and reliability-based design requirements. <i>Computers and Geotechnics</i> , 2022 , 148, 104820	4.4	1
267	Deep learning-based evaluation of factor of safety with confidence interval for tunnel deformation in spatially variable soil. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2021 , 13, 1358-1358	5.3	3
266	Evaluation and Incorporation of Uncertainties in Geotechnical Engineering 2021 , 37-96		1
265	Geotechnical Engineering in the Era of Industry 4.0 2021 , 1-36		1
264	Bounds optimization of model response moments: a twin-engine Bayesian active learning method. <i>Computational Mechanics</i> , 2021 , 67, 1273-1292	4	1
263	Uncertainties in modelling undrained shear strength of clays using Critical State Soil Mechanics and SHANSEP. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 710, 012075	0.3	
262	Three-dimensional subsurface modeling using Geotechnical Lasso. <i>Computers and Geotechnics</i> , 2021 , 133, 104068	4.4	5
261	Dealing with Nonlattice Data in Three-Dimensional Probabilistic Site Characterization. <i>Journal of Engineering Mechanics - ASCE</i> , 2021 , 147, 06021003	2.4	11
260	Probabilistic outlier detection for sparse multivariate geotechnical site investigation data using Bayesian learning. <i>Geoscience Frontiers</i> , 2021 , 12, 425-439	6	11
259	Bayesian estimation of spatially varying soil parameters with spatiotemporal monitoring data. <i>Acta Geotechnica</i> , 2021 , 16, 263-278	4.9	9
258	Bayesian Learning Methods for Geotechnical Data. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2021 , 7, 02020002	1.7	0
257	Quantitative evaluation of geological uncertainty and its influence on tunnel structural performance using improved coupled Markov chain. <i>Acta Geotechnica</i> , 2021 , 16, 3709	4.9	16
256	Closed-form solution for excavation-induced ground settlement profile in clay. <i>Computers and Geotechnics</i> , 2021 , 137, 104266	4.4	3

255	Evaluation of interpretation criteria for drilled shafts with tip post-grouting. <i>Soils and Foundations</i> , 2021 , 61, 1354-1369	2.9	4
254	Constructing Quasi-Site-Specific Multivariate Probability Distribution Using Hierarchical Bayesian Model. <i>Journal of Engineering Mechanics - ASCE</i> , 2021 , 147, 04021069	2.4	6
253	Geotechnical reliability-based design using generalized subset simulation with a design response vector. <i>Computers and Geotechnics</i> , 2021 , 139, 104392	4.4	2
252	On the Hole Effect in Soil Spatial Variability. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2021 , 7, 04021039	1.7	0
251	Novel approach to estimate vertical scale of fluctuation based on CPT data using convolutional neural networks. <i>Engineering Geology</i> , 2021 , 294, 106342	6	20
250	Erratum for Scale of Fluctuation for Spatially Varying Soils: Estimation Methods and Values by Brigid Cami, Sina Javankhoshdel, Kok-Kwang Phoon, and Jianye Ching. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2021 , 7, 08221001	1.7	0
249	Constructing a Site-Specific Multivariate Probability Distribution Using Sparse, Incomplete, and Spatially Variable (MUSIC-X) Data. <i>Journal of Engineering Mechanics - ASCE</i> , 2020 , 146, 04020061	2.4	24
248	Friction angle and overconsolidation ratio of soft clays from cone penetration test. <i>Engineering Geology</i> , 2020 , 274, 105730	6	3
247	Bayesian Supervised Learning of Site-Specific Geotechnical Spatial Variability from Sparse Measurements. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2020 , 6, 04020019	1.7	9
246	Determination of limiting cavity depths for offshore spudcan foundations in a spatially varying seabed. <i>Marine Structures</i> , 2020 , 71, 102723	3.8	5
245	Measuring Similarity between Site-Specific Data and Records from Other Sites. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2020 , 6, 04020011	1.7	10
244	Special Section on Resilience of Engineering Systems. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2020 , 6,	1.4	2
243	The Goldilocks Dilemma [Too Little or Too Much Data?]. <i>Geo-strata</i> , 2020 , 24, 14-16	0	2
242	Multivariate probability distribution of Shanghai clay properties. <i>Engineering Geology</i> , 2020 , 273, 1056756		8
241	The story of statistics in geotechnical engineering. <i>Georisk</i> , 2020 , 14, 3-25	1.9	33
240	Trend estimation and layer boundary detection in depth-dependent soil data using sparse Bayesian lasso. <i>Computers and Geotechnics</i> , 2020 , 128, 103845	4.4	11
239	3D Probabilistic Site Characterization by Sparse Bayesian Learning. <i>Journal of Engineering Mechanics - ASCE</i> , 2020 , 146, 04020134	2.4	16
238	Role of municipal database in constructing site-specific multivariate probability distribution. <i>Computers and Geotechnics</i> , 2020 , 124, 103623	4.4	7

237	Scale of Fluctuation for Spatially Varying Soils: Estimation Methods and Values. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2020 , 6, 03120002	1.7	39
236	Expanded Database Assessment of Design Methods for Spread Foundations under Axial Compression and Uplift Loading. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020 , 146, 04020119	3.4	4
235	Statistical evaluation of model factors in reliability calibration of high-displacement helical piles under axial loading. <i>Canadian Geotechnical Journal</i> , 2020 , 57, 246-262	3.2	12
234	Statistical determination of multivariate characteristic values for Eurocode 7. <i>Structural Safety</i> , 2020 , 82, 101893	4.9	3
233	Analysis of tunnelling through spatially-variable improved surrounding $\bar{\Delta}$ simplified approach. <i>Tunnelling and Underground Space Technology</i> , 2019 , 93, 103102	5.7	12
232	Effect of extrapolation on interpreted capacity and model statistics of steel H-piles. <i>Georisk</i> , 2019 , 13, 291-302	1.9	7
231	Reply to the discussion by Flynn and McCabe on $\bar{\Delta}$ Statistics of model factors in reliability-based design of axially loaded driven piles in sand \square <i>Canadian Geotechnical Journal</i> , 2019 , 56, 148-152	3.2	1
230	Evaluation of Stress-Dependent Methods for the Punch-Through Capacity of Foundations in Clay with Sand. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2019 , 5, 04019008	1.7	3
229	Identification of sample path smoothness in soil spatial variability. <i>Structural Safety</i> , 2019 , 81, 101870	4.9	25
228	Simulation of non-stationary non-Gaussian random fields from sparse measurements using Bayesian compressive sampling and Karhunen-Loève expansion. <i>Structural Safety</i> , 2019 , 79, 66-79	4.9	57
227	Characterisation of geotechnical model uncertainty. <i>Georisk</i> , 2019 , 13, 101-130	1.9	39
226	Statistical inference of random field auto-correlation structure from multiple sets of incomplete and sparse measurements using Bayesian compressive sampling-based bootstrapping. <i>Mechanical Systems and Signal Processing</i> , 2019 , 124, 217-236	7.8	7
225	Bayesian identification of soil stratigraphy based on soil behaviour type index. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 570-586	3.2	38
224	Statistical Analyses of Model Factors in Reliability-Based Limit-State Design of Drilled Shafts under Axial Loading. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019 , 145, 04019042	3.4	7
223	Managing Risk in Geotechnical Engineering \square From Data to Digitalization 2019 ,		17
222	Interpretation of horizontal permeability from piezocone dissipation tests in soft clays. <i>Computers and Geotechnics</i> , 2019 , 107, 189-200	4.4	5
221	Simulation of Random Fields with Trend from Sparse Measurements without Detrending. <i>Journal of Engineering Mechanics - ASCE</i> , 2019 , 145, 04018130	2.4	44
220	Constructing Site-Specific Multivariate Probability Distribution Model Using Bayesian Machine Learning. <i>Journal of Engineering Mechanics - ASCE</i> , 2019 , 145, 04018126	2.4	53

219	Characterization of model uncertainty in predicting axial resistance of piles driven into clay. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1098-1118	3.2	19
218	Impact of Autocorrelation Function Model on the Probability of Failure. <i>Journal of Engineering Mechanics - ASCE</i> , 2019 , 145, 04018123	2.4	26
217	Multivariate probability distribution for some intact rock properties. <i>Canadian Geotechnical Journal</i> , 2019 , 56, 1080-1097	3.2	13
216	Analysis of cement-treated soil slab for deep excavation support ▭ rational approach. <i>Geotechnique</i> , 2019 , 69, 888-905	3.4	14
215	Statistics of model factors in reliability-based design of axially loaded driven piles in sand. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 1592-1610	3.2	20
214	Generic transformation models for some intact rock properties. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 1702-1741	3.2	16
213	Application of Press-Replace Method to Simulate Undrained Cone Penetration. <i>International Journal of Geomechanics</i> , 2018 , 18, 04018066	3.1	7
212	Effective Young▭ modulus of a spatially variable soil mass under a footing. <i>Structural Safety</i> , 2018 , 73, 99-113	4.9	13
211	Evaluation of model uncertainties in reliability-based design of steel H-piles in axial compression. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 1513-1532	3.2	16
210	Determination of site-specific soil-water characteristic curve from a limited number of test data ▭ Bayesian perspective. <i>Geoscience Frontiers</i> , 2018 , 9, 1665-1677	6	26
209	Interpolating spatially varying soil property values from sparse data for facilitating characteristic value selection. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 171-181	3.2	30
208	Uncertainties in Modeling Undrained Shear Strength of Sensitive Clays Using Finite-Element Method. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2018 , 4, 04018011	1.7	0
207	Nonlinear subgrade reaction solution for circular tunnel lining design based on mobilized strength of undrained clay. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 155-170	3.2	7
206	Homotopy approach for random eigenvalue problem. <i>International Journal for Numerical Methods in Engineering</i> , 2018 , 113, 450-478	2.4	2
205	Bayesian model comparison and characterization of bivariate distribution for shear strength parameters of soil. <i>Computers and Geotechnics</i> , 2018 , 95, 110-118	4.4	34
204	Effect of spatial variability on short- and long-term behaviour of axially-loaded cement-admixed marine clay column. <i>Computers and Geotechnics</i> , 2018 , 94, 150-168	4.4	41
203	Probabilistic Site Characterization. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2018 , 4, 02018002	1.7	13
202	Statistics of Model Factors and Consideration in Reliability-Based Design of Axially Loaded Helical Piles. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018 , 144, 04018050	3.4	22

201	Direct simulation of random field samples from sparsely measured geotechnical data with consideration of uncertainty in interpretation. <i>Canadian Geotechnical Journal</i> , 2018 , 55, 862-880	3.2	70
200	Statistical characterization of shear strength parameters of rock mass for hydropower projects in China. <i>Engineering Geology</i> , 2018 , 245, 258-265	6	8
199	Prediction of Bearing Capacity of Ring Foundation on Dense Sand with Regard to Stress Level Effect. <i>International Journal of Geomechanics</i> , 2018 , 18, 04018154	3.1	14
198	System reliability analysis of slope stability using generalized Subset Simulation. <i>Applied Mathematical Modelling</i> , 2017 , 46, 650-664	4.5	48
197	Characterizing Uncertain Site-Specific Trend Function by Sparse Bayesian Learning. <i>Journal of Engineering Mechanics - ASCE</i> , 2017 , 143, 04017028	2.4	55
196	Model Uncertainty for Predicting the Bearing Capacity of Sand Overlying Clay. <i>International Journal of Geomechanics</i> , 2017 , 17, 04017015	3.1	27
195	Reply to the discussion by Mesri and Wang on "Correlations for undrained shear strength of Finnish soft clays" <i>Canadian Geotechnical Journal</i> , 2017 , 54, 749-753	3.2	6
194	Worst case scale of fluctuation in basal heave analysis involving spatially variable clays. <i>Structural Safety</i> , 2017 , 68, 28-42	4.9	29
193	On characterizing spatially variable soil Young's modulus using spatial average. <i>Structural Safety</i> , 2017 , 66, 106-117	4.9	14
192	Correlations among some parameters of coarse-grained soils [The multivariate probability distribution model. <i>Canadian Geotechnical Journal</i> , 2017 , 54, 1203-1220	3.2	15
191	Impact of sample size on geotechnical probabilistic model identification. <i>Computers and Geotechnics</i> , 2017 , 87, 229-240	4.4	22
190	Role of reliability calculations in geotechnical design. <i>Georisk</i> , 2017 , 11, 4-21	1.9	67
189	Model Uncertainty for the Capacity of Strip Footings under Positive Combined Loading 2017 ,		6
188	Model Uncertainties for the Static Design of Square Foundations on Sand under Axial Compression 2017 ,		3
187	Reliability evaluation of slope considering geological uncertainty and inherent variability of soil parameters. <i>Computers and Geotechnics</i> , 2017 , 92, 121-131	4.4	45
186	Spatial behaviour of Rayleigh waves in layered half-spaces under active surface sources. <i>Geophysical Prospecting</i> , 2017 , 65, 992-1003	1.9	2
185	Transformation models for effective friction angle and relative density calibrated based on generic database of coarse-grained soils. <i>Canadian Geotechnical Journal</i> , 2017 , 54, 481-501	3.2	21
184	Model Uncertainty of Eurocode 7 Approach for Bearing Capacity of Circular Footings on Dense Sand. <i>International Journal of Geomechanics</i> , 2017 , 17, 04016069	3.1	24

183	An analytical method for quantifying the correlation among slope failure modes in spatially variable soils. <i>Bulletin of Engineering Geology and the Environment</i> , 2017 , 76, 1343-1352	4	4
182	Characterizing Unknown Trend Using Sparse Bayesian Learning 2017 ,		1
181	Identifiability of Geotechnical Site-Specific Trend Functions. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering</i> , 2017 , 3, 04017021	1.7	19
180	Statistical characterization of random field parameters using frequentist and Bayesian approaches. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 285-298	3.2	55
179	Robust estimation of correlation coefficients among soil parameters under the multivariate normal framework. <i>Structural Safety</i> , 2016 , 63, 21-32	4.9	13
178	Spatial correlation for transformation uncertainty and its applications. <i>Georisk</i> , 2016 , 10, 294-311	1.9	7
177	Chapter 1 Reliability as a basis for geotechnical design 2016 , 1-32		
176	Chapter 2 General principles on reliability according to ISO2394 2016 , 33-48		1
175	Chapter 3 Uncertainty representation of geotechnical design parameters 2016 , 49-88		13
174	Chapter 4 Statistical characterization of multivariate geotechnical data 2016 , 89-126		13
173	Chapter 5 Statistical characterization of model uncertainty 2016 , 127-158		14
172	Chapter 6 Semi-probabilistic reliability-based design 2016 , 159-192		2
171	Chapter 7 Direct probability-based design methods 2016 , 193-226		6
170	Performance of Neumann Expansion Preconditioners for Iterative Methods with Geotechnical Elastoplastic Applications. <i>International Journal of Geomechanics</i> , 2016 , 16, 04015069	3.1	1
169	Bayesian identification of random field model using indirect test data. <i>Engineering Geology</i> , 2016 , 210, 197-211	6	40
168	Correlations for undrained shear strength of Finnish soft clays. <i>Canadian Geotechnical Journal</i> , 2016 , 53, 1628-1645	3.2	57
167	Three-dimensional slope reliability and risk assessment using auxiliary random finite element method. <i>Computers and Geotechnics</i> , 2016 , 79, 146-158	4.4	75
166	A generalized surrogate response aided-subset simulation approach for efficient geotechnical reliability-based design. <i>Computers and Geotechnics</i> , 2016 , 74, 88-101	4.4	24

165	R-LRFD: Load and resistance factor design considering robustness. <i>Computers and Geotechnics</i> , 2016 , 74, 74-87	4.4	32
164	Evaluating slope stability uncertainty using coupled Markov chain. <i>Computers and Geotechnics</i> , 2016 , 73, 72-82	4.4	67
163	Efficient and consistent reliability analysis of soil slope stability using both limit equilibrium analysis and finite element analysis. <i>Applied Mathematical Modelling</i> , 2016 , 40, 5216-5229	4.5	62
162	Closure to Characterization of Model Uncertainty for Cantilever Deflections in Undrained Clay by D. M. Zhang, K. K. Phoon, H. W. Huang, and Q. F. Hu. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 07015037	3.4	
161	Impact of Statistical Uncertainty on Geotechnical Reliability Estimation. <i>Journal of Engineering Mechanics - ASCE</i> , 2016 , 142, 04016027	2.4	31
160	On characterizing spatially variable soil shear strength using spatial average. <i>Probabilistic Engineering Mechanics</i> , 2016 , 45, 31-43	2.6	27
159	Extended Strength Development Model of Cement-Treated Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016 , 142, 06015014	3.4	27
158	Response surface methods for slope reliability analysis: Review and comparison. <i>Engineering Geology</i> , 2016 , 203, 3-14	6	135
157	Role of Reliability in Forensic Geotechnical Engineering. <i>Developments in Geotechnical Engineering</i> , 2016 , 467-491	0.4	1
156	Estimation of horizontal transition probability matrix for coupled Markov chain. <i>Japanese Geotechnical Society Special Publication</i> , 2016 , 2, 2423-2428	0.2	
155	Can the effect of shear strength spatial variability be summarized as the pure spatial average?. <i>Japanese Geotechnical Society Special Publication</i> , 2016 , 2, 2429-2434	0.2	
154	Reliability of geotechnical structures. <i>Japanese Geotechnical Society Special Publication</i> , 2016 , 2, 1-9	0.2	3
153	Undrained strength for a 3D spatially variable clay column subjected to compression or shear. <i>Probabilistic Engineering Mechanics</i> , 2016 , 45, 127-139	2.6	22
152	Model uncertainty of cylindrical shear method for calculating the uplift capacity of helical anchors in clay. <i>Engineering Geology</i> , 2016 , 207, 14-23	6	28
151	Simulation of geologic uncertainty using coupled Markov chain. <i>Engineering Geology</i> , 2016 , 207, 129-1406		54
150	Efficient reliability updating of slope stability by reweighting failure samples generated by Monte Carlo simulation. <i>Computers and Geotechnics</i> , 2015 , 69, 588-600	4.4	22
149	Physical modelling of soil uncertainty. <i>International Journal of Physical Modelling in Geotechnics</i> , 2015 , 15, 19-34	1	12
148	Role of redundancy in simplified geotechnical reliability-based design A quantile value method perspective. <i>Structural Safety</i> , 2015 , 55, 37-48	4.9	7

147	Bivariate distribution of shear strength parameters using copulas and its impact on geotechnical system reliability. <i>Computers and Geotechnics</i> , 2015 , 68, 184-195	4.4	69
146	Bootstrap method for characterizing the effect of uncertainty in shear strength parameters on slope reliability. <i>Reliability Engineering and System Safety</i> , 2015 , 140, 99-106	6.3	38
145	Characterization of uncertainty in probabilistic model using bootstrap method and its application to reliability of piles. <i>Applied Mathematical Modelling</i> , 2015 , 39, 5310-5326	4.5	27
144	Copula-based approaches for evaluating slope reliability under incomplete probability information. <i>Structural Safety</i> , 2015 , 52, 90-99	4.9	124
143	Reliability-based design and its complementary role to Eurocode 7 design approach. <i>Computers and Geotechnics</i> , 2015 , 65, 30-44	4.4	55
142	Reducing the Transformation Uncertainty for the Mobilized Undrained Shear Strength of Clays. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 04014103	3.4	8
141	Characterization of Model Uncertainty for Cantilever Deflections in Undrained Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 04014088	3.4	45
140	Efficient System Reliability Analysis of Slope Stability in Spatially Variable Soils Using Monte Carlo Simulation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2015 , 141, 04014096	3.4	190
139	Effect of footing width on N _{cr} and failure envelope of eccentrically and obliquely loaded strip footings on sand. <i>Canadian Geotechnical Journal</i> , 2015 , 52, 694-707	3.2	24
138	Reliability analysis of strip footing considering spatially variable undrained shear strength that linearly increases with depth. <i>Soils and Foundations</i> , 2015 , 55, 866-880	2.9	43
137	Transformations and correlations among some clay parameters in the global database. <i>Canadian Geotechnical Journal</i> , 2014 , 51, 663-685	3.2	67
136	Correlations among some clay parameters in the multivariate distribution. <i>Canadian Geotechnical Journal</i> , 2014 , 51, 686-704	3.2	68
135	Effects of source and cavity depths on wave fields in layered media. <i>Journal of Applied Geophysics</i> , 2014 , 107, 163-170	1.7	3
134	A modified solution of radial subgrade modulus for a circular tunnel in elastic ground. <i>Soils and Foundations</i> , 2014 , 54, 225-232	2.9	7
133	Mean and Variance of Mobilized Shear Strength for Spatially Variable Soils under Uniform Stress States. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 487-501	2.4	31
132	Long-Term Effect of Curing Temperature on the Strength Behavior of Cement-Stabilized Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 04014045	3.4	35
131	Reply to the discussion by Mesri on Multivariate distribution for undrained shear strengths under various test procedures. <i>Canadian Geotechnical Journal</i> , 2014 , 51, 348-351	3.2	2
130	Modeling piezocone cone penetration (CPTU) parameters of clays as a multivariate normal distribution. <i>Canadian Geotechnical Journal</i> , 2014 , 51, 77-91	3.2	46

129	Linking Site Investigation Efforts to Final Design Savings with Simplified Reliability-Based Design Methods. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2014 , 140, 04013032	3.4	26
128	Axisymmetric Lower-Bound Limit Analysis Using Finite Elements and Second-Order Cone Programming. <i>Journal of Engineering Mechanics - ASCE</i> , 2014 , 140, 268-278	2.4	44
127	Effect of spatially variable shear strength parameters with linearly increasing mean trend on reliability of infinite slopes. <i>Structural Safety</i> , 2014 , 49, 45-55	4.9	156
126	Lower-Bound Limit Analysis of Seismic Passive Earth Pressure on Rigid Walls. <i>International Journal of Geomechanics</i> , 2014 , 14, 04014022	3.1	37
125	Bivariate simulation using copula and its application to probabilistic pile settlement analysis. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013 , 37, 597-617	4	89
124	Effective block diagonal preconditioners for Biot's consolidation equations in piled-raft foundations. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013 , 37, 871-892	4	3
123	Quantile value method versus design value method for calibration of reliability-based geotechnical codes. <i>Structural Safety</i> , 2013 , 44, 47-58	4.9	22
122	Effect of element sizes in random field finite element simulations of soil shear strength. <i>Computers and Structures</i> , 2013 , 126, 120-134	4.5	55
121	The performance of commodity trading advisors: A mean-variance-ratio test approach. <i>North American Journal of Economics and Finance</i> , 2013 , 25, 188-201	2.5	15
120	Multivariate distribution for undrained shear strengths under various test procedures. <i>Canadian Geotechnical Journal</i> , 2013 , 50, 907-923	3.2	49
119	Special Issue Information Technology for Geotechnical Engineering. <i>Geotechnical and Geological Engineering</i> , 2013 , 31, 831-832	1.5	
118	Performance of reliability-based design code formats for foundations in layered soils. <i>Computers and Structures</i> , 2013 , 126, 100-106	4.5	13
117	Probability distribution for mobilised shear strengths of spatially variable soils under uniform stress states. <i>Georisk</i> , 2013 , 7, 209-224	1.9	41
116	Reliability analysis with scarce information: Comparing alternative approaches in a geotechnical engineering context. <i>Structural Safety</i> , 2013 , 41, 1-10	4.9	87
115	Strength of High Water-Content Marine Clay Stabilized by Low Amount of Cement. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013 , 139, 2170-2181	3.4	57
114	Effects of source and cavity depths on wave fields in homogeneous half spaces. <i>Journal of Applied Geophysics</i> , 2013 , 93, 52-59	1.7	5
113	Detection of Shallow Anomalies in Pile Integrity Testing. <i>International Journal of Geomechanics</i> , 2013 , 13, 672-677	3.1	9
112	Impact of copula selection on geotechnical reliability under incomplete probability information. <i>Computers and Geotechnics</i> , 2013 , 49, 264-278	4.4	131

111	Mobilized shear strength of spatially variable soils under simple stress states. <i>Structural Safety</i> , 2013 , 41, 20-28	4.9	55
110	Improved AHP Method and Its Application in Risk Identification. <i>Journal of Construction Engineering and Management - ASCE</i> , 2013 , 139, 312-320	4.2	80
109	Application of the Kriging-Based Response Surface Method to the System Reliability of Soil Slopes. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013 , 139, 651-655	3.4	81
108	Impact of copulas for modeling bivariate distributions on system reliability. <i>Structural Safety</i> , 2013 , 44, 80-90	4.9	85
107	Multivariate Model for Soil Parameters Based on Johnson Distributions 2013 ,		8
106	Robustness of Constant Load and Resistance Factor Design Factors for Drilled Shafts in Multiple Strata. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013 , 139, 1104-1114	3.4	11
105	Second-Moment Characterization of Undrained Shear Strengths from Different Test Procedures 2013 ,		1
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