Jianye Ching

List of Publications by Year
in descending order

173 papers	5,663 citations	66343 42 h-index	95266 68 g-index
180 all docs	180 docs citations	180 times ranked	2302 citing authors

#	Article	IF	Citations
1	Transitional Markov Chain Monte Carlo Method for Bayesian Model Updating, Model Class Selection, and Model Averaging. Journal of Engineering Mechanics - ASCE, 2007, 133, 816-832.	2.9	574
2	Application of subset simulation methods to reliability benchmark problems. Structural Safety, 2007, 29, 183-193.	5.3	213
3	Bayesian state and parameter estimation of uncertain dynamical systems. Probabilistic Engineering Mechanics, 2006, 21, 81-96.	2.7	195
4	Dynamic Modeling of Large-Scale Magnetorheological Damper Systems for Civil Engineering Applications. Journal of Engineering Mechanics - ASCE, 2004, 130, 1107-1114.	2.9	192
5	Efficient Evaluation of Reliability for Slopes with Circular Slip Surfaces Using Importance Sampling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 768-777.	3.0	139
6	Structural Model Updating and Health Monitoring with Incomplete Modal Data Using Gibbs Sampler. Computer-Aided Civil and Infrastructure Engineering, 2006, 21, 242-257.	9.8	123
7	Reliability estimation for dynamical systems subject to stochastic excitation using subset simulation with splitting. Computer Methods in Applied Mechanics and Engineering, 2005, 194, 1557-1579.	6.6	118
8	Modeling parameters of structured clays as a multivariate normal distribution. Canadian Geotechnical Journal, 2012, 49, 522-545.	2.8	100
9	Correlations among some clay parameters â€" the multivariate distribution. Canadian Geotechnical Journal, 2014, 51, 686-704.	2.8	97
10	Bayesian Analysis of the Phase II IASCâ€"ASCE Structural Health Monitoring Experimental Benchmark Data. Journal of Engineering Mechanics - ASCE, 2004, 130, 1233-1244.	2.9	93
11	Local estimation of failure probability function and its confidence interval with maximum entropy principle. Probabilistic Engineering Mechanics, 2007, 22, 39-49.	2.7	92
12	Transitional Markov Chain Monte Carlo: Observations and Improvements. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	91
13	Constructing Site-Specific Multivariate Probability Distribution Model Using Bayesian Machine Learning. Journal of Engineering Mechanics - ASCE, 2019, 145, .	2.9	89
14	Hybrid Subset Simulation method for reliability estimation of dynamical systems subject to stochastic excitation. Probabilistic Engineering Mechanics, 2005, 20, 199-214.	2.7	87
15	Transformations and correlations among some clay parameters â€" the global database. Canadian Geotechnical Journal, 2014, 51, 663-685.	2.8	86
16	Reducing shear strength uncertainties in clays by multivariate correlations. Canadian Geotechnical Journal, 2010, 47, 16-33.	2.8	82
17	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
18	Statistical characterization of random field parameters using frequentist and Bayesian approaches. Canadian Geotechnical Journal, 2016, 53, 285-298.	2.8	80

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19	Characterizing Uncertain Site-Specific Trend Function by Sparse Bayesian Learning. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	78
20	New Bayesian Model Updating Algorithm Applied to a Structural Health Monitoring Benchmark. Structural Health Monitoring, 2004, 3, 313-332.	7.5	76
21	Application of the transitional Markov chain Monte Carlo algorithm to probabilistic site characterization. Engineering Geology, 2016, 203, 151-167.	6.3	73
22	Bayesian State Estimation Method for Nonlinear Systems and Its Application to Recorded Seismic Response. Journal of Engineering Mechanics - ASCE, 2006, 132, 396-410.	2.9	69
23	Effect of element sizes in random field finite element simulations of soil shear strength. Computers and Structures, 2013, 126, 120-134.	4.4	69
24	New models for probability of liquefaction using standard penetration tests based on an updated database of case histories. Engineering Geology, 2012, 133-134, 85-93.	6.3	64
25	Some observations on ISO2394:2015 Annex D (Reliability of Geotechnical Structures). Structural Safety, 2016, 62, 24-33.	5.3	63
26	Mobilized shear strength of spatially variable soils under simple stress states. Structural Safety, 2013, 41, 20-28.	5.3	62
27	Multivariate distribution for undrained shear strengths under various test procedures. Canadian Geotechnical Journal, 2013, 50, 907-923.	2.8	61
28	Cone penetration test (CPT)-based stratigraphic profiling using the wavelet transform modulus maxima method. Canadian Geotechnical Journal, 2015, 52, 1993-2007.	2.8	58
29	Estimating horizontal scale of fluctuation with limited CPT soundings. Geoscience Frontiers, 2018, 9, 1597-1608.	8.4	58
30	Simplified procedure for estimation of liquefaction-induced settlement and site-specific probabilistic settlement exceedance curve using cone penetration test (CPT). Canadian Geotechnical Journal, 2013, 50, 1055-1066.	2.8	56
31	Modeling piezocone cone penetration (CPTU) parameters of clays as a multivariate normal distribution. Canadian Geotechnical Journal, 2014, 51, 77-91.	2.8	56
32	Probabilistic version of the Robertson and Wride method for liquefaction evaluation: development and application. Canadian Geotechnical Journal, 2012, 49, 27-44.	2.8	55
33	Challenges in data-driven site characterization. Georisk, 2022, 16, 114-126.	3.5	55
34	Simulating Spatial Averages of Stationary Random Field Using the Fourier Series Method. Journal of Engineering Mechanics - ASCE, 2013, 139, 594-605.	2.9	51
35	Probability distribution for mobilised shear strengths of spatially variable soils under uniform stress states. Georisk, 2013, 7, 209-224.	3.5	49
36	Simplified reliability method for spatially variable undrained engineered slopes. Soils and Foundations, 2013, 53, 708-719.	3.1	49

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37	Bayesian updating of reliability of civil infrastructure facilities based on condition-state data and fault-tree model. Reliability Engineering and System Safety, 2009, 94, 1962-1974.	8.9	48
38	Evaluating small failure probabilities of multiple limit states by parallel subset simulation. Probabilistic Engineering Mechanics, 2010, 25, 291-304.	2.7	47
39	Approximate Reliability-Based Optimization Using a Three-Step Approach Based on Subset Simulation. Journal of Engineering Mechanics - ASCE, 2007, 133, 481-493.	2.9	45
40	A quantile-based approach for calibrating reliability-based partial factors. Structural Safety, 2011, 33, 275-285.	5.3	44
41	Reliability-Based Design for Basal Heave Stability of Deep Excavations in Spatially Varying Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 594-603.	3.0	44
42	Constructing a Site-Specific Multivariate Probability Distribution Using Sparse, Incomplete, and Spatially Variable (MUSIC-X) Data. Journal of Engineering Mechanics - ASCE, 2020, 146, .	2.9	44
43	Impact of Autocorrelation Function Model on the Probability of Failure. Journal of Engineering Mechanics - ASCE, 2019, 145, .	2.9	43
44	Determining the Factors of Safety of Spatially Variable Slopes Modeled by Random Fields. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 2082-2095.	3.0	42
45	Impact of Statistical Uncertainty on Geotechnical Reliability Estimation. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	42
46	Identification of sample path smoothness in soil spatial variability. Structural Safety, 2019, 81, 101870.	5.3	42
47	Predicting Wall Displacements for Excavations with Cross Walls in Soft Clay. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 914-927.	3.0	41
48	3D Probabilistic Site Characterization by Sparse Bayesian Learning. Journal of Engineering Mechanics - ASCE, 2020, 146, .	2.9	39
49	Updating Uncertainties in Friction Angles of Clean Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 217-229.	3.0	38
50	Worst case scale of fluctuation in basal heave analysis involving spatially variable clays. Structural Safety, 2017, 68, 28-42.	5.3	38
51	Mean and Variance of Mobilized Shear Strength for Spatially Variable Soils under Uniform Stress States. Journal of Engineering Mechanics - ASCE, 2014, 140, 487-501.	2.9	36
52	Transformation models for effective friction angle and relative density calibrated based on generic database of coarse-grained soils. Canadian Geotechnical Journal, 2017, 54, 481-501.	2.8	36
53	Real-time reliability estimation for serviceability limit states in structures with uncertain dynamic excitation and incomplete output data. Probabilistic Engineering Mechanics, 2007, 22, 50-62.	2.7	34
54	Linking Site Investigation Efforts to Final Design Savings with Simplified Reliability-Based Design Methods. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	34

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55	Impact of spatial variability in undrained shear strength on active lateral force in clay. Structural Safety, 2015, 52, 121-131.	5.3	33
56	Establishment of generic transformations for geotechnical design parameters. Structural Safety, 2012, 35, 52-62.	5.3	32
57	Quantile value method versus design value method for calibration of reliability-based geotechnical codes. Structural Safety, 2013, 44, 47-58.	5.3	32
58	Managing Risk in Geotechnical Engineering â€“ From Data to Digitalization. , 2019, , .		32
59	Unpacking data-centric geotechnics. Underground Space (China), 2022, 7, 967-989.	7.5	32
60	Constructing Quasi-Site-Specific Multivariate Probability Distribution Using Hierarchical Bayesian Model. Journal of Engineering Mechanics - ASCE, 2021, 147, .	2.9	31
61	Quasi-site-specific prediction for deformation modulus of rock mass. Canadian Geotechnical Journal, 0, , 1-16.	2.8	31
62	Transforming reliability limit-state constraints into deterministic limit-state constraints. Structural Safety, 2008, 30, 11-33.	5.3	29
63	On characterizing spatially variable soil shear strength using spatial average. Probabilistic Engineering Mechanics, 2016, 45, 31-43.	2.7	29
64	Discretization error in the random finite element method for spatially variable undrained shear strength. Computers and Geotechnics, 2019, 105, 183-194.	4.7	28
65	Equivalence between reliability and factor of safety. Probabilistic Engineering Mechanics, 2009, 24, 159-171.	2.7	27
66	Generic transformation models for some intact rock properties. Canadian Geotechnical Journal, 2018, 55, 1702-1741.	2.8	26
67	Observations on Limit Equilibriumâ€“Based Slope Reliability Problems with Inclined Weak Seams. Journal of Engineering Mechanics - ASCE, 2010, 136, 1220-1233.	2.9	25
68	1D Time-Domain Solution for Seismic Ground Motion Prediction. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 36-47.	3.0	24
69	Reliability-Based Design for External Stability of Narrow Mechanically Stabilized Earth Walls: Calibration from Centrifuge Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 239-253.	3.0	24
70	Dealing with Nonlattice Data in Three-Dimensional Probabilistic Site Characterization. Journal of Engineering Mechanics - ASCE, 2021, 147, .	2.9	24
71	A novel reliability-based design method based on quantile-based first-order second-moment. Applied Mathematical Modelling, 2020, 88, 461-473.	4.2	23
72	Undrained strength for a 3D spatially variable clay column subjected to compression or shear. Probabilistic Engineering Mechanics, 2016, 45, 127-139.	2.7	22

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73	Correlations among some parameters of coarse-grained soils â€" the multivariate probability distribution model. Canadian Geotechnical Journal, 2017, 54, 1203-1220.	2.8	22
74	Identifiability of Geotechnical Site-Specific Trend Functions. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2017, 3, .	1.7	22
75	Statistics for the calculated safety factors of undrained failure slopes. Engineering Geology, 2014, 172, 85-94.	6.3	21
76	Multivariate probability distribution for some intact rock properties. Canadian Geotechnical Journal, 2019, 56, 1080-1097.	2.8	21
77	Predicting rainfall-induced landslide potential along a mountain road in Taiwan. Geotechnique, 2011, 61, 153-166.	4.0	20
78	Assessing SPT-based probabilistic models for liquefaction potential evaluation: a 10-year update. Georisk, 2013, 7, 137-150.	3.5	20
79	On characterizing spatially variable soil Youngâ€™s modulus using spatial average. Structural Safety, 2017, 66, 106-117.	5.3	20
80	An Efficient Method for Evaluating Originâ€Destination Connectivity Reliability of Realâ€World Lifeline Networks. Computer-Aided Civil and Infrastructure Engineering, 2007, 22, 584-596.	9.8	19
81	Unified CPTu-based probabilistic model for assessing probability of liquefaction of sand and clay. Geotechnique, 2012, 62, 877-892.	4.0	19
82	Value of Geotechnical Site Investigation in Reliability-Based Design. Advances in Structural Engineering, 2012, 15, 1935-1945.	2.4	19
83	Robust estimation of correlation coefficients among soil parameters under the multivariate normal framework. Structural Safety, 2016, 63, 21-32.	5.3	19
84	Chapter 4 Statistical characterization of multivariate geotechnical data. , 2016, , 89-126.		19
85	Measuring Similarity between Site-Specific Data and Records from Other Sites. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2020, 6, .	1.7	19
86	Reliability-based design for allowable bearing capacity of footings on rock masses by considering angle of distortion. International Journal of Rock Mechanics and Minings Sciences, 2011, 48, 728-740.	5.8	18
87	Effective Youngâ€™s modulus of a spatially variable soil mass under a footing. Structural Safety, 2018, 73, 99-113.	5.3	18
88	A novel simplified geotechnical reliability analysis method. Applied Mathematical Modelling, 2019, 74, 337-349.	4.2	18
89	Effect of Element Size in Random Finite Element Analysis for Effective Youngâ€™s Modulus. Mathematical Problems in Engineering, 2016, 2016, 1-10.	1.1	17
90	Benchmark examples for data-driven site characterisation. Georisk, 2022, 16, 599-621.	3.5	17

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91	Propagating uncertainties for loss estimation in performance-based earthquake engineering using moment matching. Structure and Infrastructure Engineering, 2009, 5, 245-262.	3.7	16
92	Estimation of rock pressure during an excavation/cut in sedimentary rocks with inclined bedding planes. Structural Safety, 2013, 41, 11-19.	5.3	16
93	Simulation of three-dimensional random field conditioning on incomplete site data. Engineering Geology, 2021, 281, 105987.	6.3	16
94	Performance of reliability-based design code formats for foundations in layered soils. Computers and Structures, 2013, 126, 100-106.	4.4	15
95	Chapter 3 Uncertainty representation of geotechnical design parameters. , 2016, , 49-88.		15
96	Chapter 5 Statistical characterization of model uncertainty. , 2016, , 127-158.		15
97	New Sampling Method and Procedures for Estimating Failure Probability. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	15
98	Identification of soil degradation during earthquake excitations by Bayesian inference. Earthquake Engineering and Structural Dynamics, 2003, 32, 845-869.	4.4	14
99	Role of redundancy in simplified geotechnical reliability-based design â€“ A quantile value method perspective. Structural Safety, 2015, 55, 37-48.	5.3	14
100	Quasi-site-specific multivariate probability distribution model for sparse, incomplete, and three-dimensional spatially varying soil data. Georisk, 2022, 16, 53-76.	3.5	14
101	Multivariate Model for Soil Parameters Based on Johnson Distributions. , 2013, , .		13
102	Robustness of Constant Load and Resistance Factor Design Factors for Drilled Shafts in Multiple Strata. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1104-1114.	3.0	13
103	Probabilistic observational method for estimating wall displacements in excavations. Canadian Geotechnical Journal, 2014, 51, 1111-1122.	2.8	13
104	Effective Young's modulus for a spatially variable soil mass subjected to a simple stress state. Georisk, 2016, 10, 11-26.	3.5	13
105	Updating real-time reliability of instrumented systems with stochastic simulation. Probabilistic Engineering Mechanics, 2009, 24, 242-250.	2.7	12
106	Calibration of model uncertainties in base heave stability for wide excavations in clay. Soils and Foundations, 2014, 54, 1159-1174.	3.1	11
107	Reducing the Transformation Uncertainty for the Mobilized Undrained Shear Strength of Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	10
108	Role of municipal database in constructing site-specific multivariate probability distribution. Computers and Geotechnics, 2020, 124, 103623.	4.7	10

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109	Microseismic source deconvolution: Wiener filter versus minimax, Fourier versus wavelets, and linear versus nonlinear. Journal of the Acoustical Society of America, 2004, 115, 3048-3058.	1.1	8
110	Approximate optimization of systems with high-dimensional uncertainties and multiple reliability constraints. Computer Methods in Applied Mechanics and Engineering, 2008, 198, 52-71.	6.6	8
111	Calibration of Reliability-Based Resistance Factors for Flush Drilled Soil Anchors in Taipei Basin. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1348-1363.	3.0	8
112	Predicting displacement of augered cast-in-place piles based on load test database. Structural Safety, 2010, 32, 372-383.	5.3	8
113	Calibrating Resistance Factors of Single Bored Piles Based on Incomplete Load Test Results. Journal of Engineering Mechanics - ASCE, 2011, 137, 309-323.	2.9	8
114	Spatial correlation for transformation uncertainty and its applications. Georisk, 2016, 10, 294-311.	3.5	8
115	Statistical determination of multivariate characteristic values for Eurocode 7. Structural Safety, 2020, 82, 101893.	5.3	8
116	Bayesian Learning Methods for Geotechnical Data. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, .	1.7	8
117	Mobilisation-based characteristic value of shear strength for ultimate limit states. Georisk, 2022, 16, 413-434.	3.5	8
118	Simplified risk assessment for a spatially variable undrained long slope. Computers and Geotechnics, 2020, 117, 103228.	4.7	7
119	Homogenizing spatially variable Young modulus using pseudo incremental energy method. Structural Safety, 2022, 97, 102226.	5.3	7
120	Quasi-site-specific soil property prediction using a cluster-based hierarchical Bayesian model. Structural Safety, 2022, 99, 102253.	5.3	7
121	Tracking rapidly changing dynamical systems using a non-parametric statistical method based on wavelets. Earthquake Engineering and Structural Dynamics, 2003, 32, 2377-2406.	4.4	6
122	The critical scale of fluctuation for active lateral forces in spatially variable undrained clays. Computers and Geotechnics, 2014, 57, 24-29.	4.7	6
123	What is a characteristic value for soils?. Georisk, 2022, 16, 199-224.	3.5	6
124	Model selection issue in calibrating reliability-based resistance factors based on geotechnical in-situ test data. Structural Safety, 2009, 31, 420-431.	5.3	5
125	Reliability-Based Design for Basal Heave in an Excavation Considering Spatial Variability. , 2010, , .		5
126	Simplified Reliability-Based Design of Wall Displacements for Excavations in Soft Clay Considering Cross Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	4

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127	Probabilistic transformation models for preconsolidation stress based on clay index properties. Engineering Geology, 2017, 226, 33-43.	6.3	4
128	On the Hole Effect in Soil Spatial Variability. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, 04021039.	1.7	4
129	Data analytics in geotechnical and geological engineering. Georisk, 2022, 16, 1-1.	3.5	4
130	Reliability-Based Code Calibration for Axial Ultimate Bearing Capacities of Single Bored Piles in Taipei Basin. Journal of Mechanics, 2009, 25, 389-400.	1.4	3
131	Updating future reliability of nonlinear systems with low dimensional monitoring data using short-cut simulation. Computers and Structures, 2009, 87, 871-879.	4.4	3
132	Probability Distribution for Mobilized Shear Strengths of Saturated Undrained Clays Modeled by 2-D Stationary Gaussian Random Field - A 1-D Stochastic Process View. Journal of Mechanics, 2014, 30, 229-239.	1.4	3
133	Erratum for â€œScale of Fluctuation for Spatially Varying Soils: Estimation Methods and Valuesâ€•by Brigid Cami, Sina Javankhoshdel, Kok-Kwang Phoon, and Jianye Ching. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part A: Civil Engineering, 2021, 7, .	1.7	3
134	Data-centric quasi-site-specific prediction for compressibility of clays. Canadian Geotechnical Journal, 0, , .	2.8	3
135	Updating Uncertainties in Undrained Shear Strengths by Multivariate Correlations. , 2010, , .		2
136	Selection among CPTU-Based Liquefaction Models. Procedia Engineering, 2011, 14, 2576-2584.	1.2	2
137	Practical Monte Carlo Based Reliability Analysis and Design Methods for Geotechnical Problems. , 2011, , .		2
138	Reliability Based Design of Base Heave Stability in Wide Excavations. , 2011, , .		2
139	Examination of Multivariate Dependency Structure in Soil Parameters. , 2012, , .		2
140	Reply to the discussion by Mesri onâ€œMultivariate distribution for undrained shear strengths under various test proceduresâ€• Canadian Geotechnical Journal, 2014, 51, 348-351.	2.8	2
141	Chapter 6 Semi-probabilistic reliability-based design. , 2016, , 159-192.		2
142	Discussion of â€œTransitional Markov Chain Monte Carlo: Observations and Improvementsâ€•by Wolfgang Betz, Iason Papaioannou, and Daniel Straub. Journal of Engineering Mechanics - ASCE, 2017, 143, .	2.9	2
143	Effective Youngâ€™s Modulus for a Footing on a Spatially Variable Soil Mass. , 2017, , .		2
144	Approximation of reliability constraints by estimating quantile functions. Structural Engineering and Mechanics, 2009, 32, 127-145.	1.0	2

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145	Converting reliability constraints by adaptive quantile estimation. Structural Safety, 2010, 32, 316-325.	5.3	1
146	Constructing Joint Distributions of Multivariate Geotechnical Data. , 2011, , .		1
147	Challenges in limit equilibrium based slope reliability problems. , 2011, , 1709-1715.		1
148	Reliability-Based Design for Allowable Bearing Capacity by Considering Differential Settlement on Highly Fractured Rock Masses. , 2011, , .		1
149	Probabilistic Model for Overall Shear Strengths of Spatially Variable Soil Masses. , 2012, , .		1
150	Second-Moment Characterization of Undrained Shear Strengths from Different Test Procedures. , 2013, , .		1
151	A New Procedure for Simulating Active Lateral Force in Spatially Variable Clay Modeled by Anisotropic Random Field. Journal of Mechanics, 2015, 31, 381-390.	1.4	1
152	Characterizing Unknown Trend Using Sparse Bayesian Learning. , 2017, , .		1
153	Is Site Investigation An Investment Or Expense? â€“ A Reliability Perspective. , 2013, , .		1
154	Calibrating Resistance Factors of Single Bored Piles Based on Incomplete Load Test Information. , 2010, , .		1
155	Characterization of geotechnical variability â€“ a multivariate perspective. , 2014, , 61-70.		1
156	Local Estimation of Failure Probability Function with Direct Monte Carlo Simulation. , 2007, , 1.		0
157	Approximate reliability-based design with general geotechnical models by stochastic simulation. Georisk, 2009, 3, 58-66.	3.5	0
158	Complexity of Limit Equilibrium Based Slope Reliability Problems. , 2010, , .		0
159	Quantile Framework for Simplified Geotechnical Reliability-Based Design. , 2011, , .		0
160	Updating Uncertainties in Friction Angles of Clean Sands. , 2011, , .		0
161	Effective Shear Strengths of Isotropic Spatially Variable Soil Masses. , 2011, , .		0
162	Liquefaction Probability by Probabilistic Version of Robertson and Wride Model. , 2011, , .		0

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163	DISCUSSION: Predicting rainfall-induced landslide potential along a mountain road in Taiwan J. CHING, H.-J. LIAO and J.-Y. LEE (2011).GÃ©otechnique61, No. 2, 153â€“166. Geotechnique, 2012, 62, 555-561.	4.0	0
164	Can a Spatially Variable Field Be Converted into a Homogeneous Spatial Average over an Influence Zone?. , 2017, , .		0
165	Calibration of reliability-based safety factors for sand boiling in excavations. Canadian Geotechnical Journal, 2020, 57, 742-753.	2.8	0
166	Reducing performance uncertainties with monitoring data. , 2006, , .		0
167	Damage localization with modeling errors and uncertainties. , 2008, , .		0
168	Overall Shear Strength of Soil Mass With Spatial Variability. , 2012, , .		0
169	Reliability-based design for the serviceability state design of an excavation with cross walls in clays. , 2013, , 471-476.		0
170	Quantile Value Method for Geotechnical Reliability Code Calibration. , 2014, , .		0
171	Can the effect of shear strength spatial variability be summarized as the pure spatial average?. Japanese Geotechnical Society Special Publication, 2016, 2, 2429-2434.	0.2	0
172	Estimating peak flow-discharge during extreme rainfall events for the Gao-Ping River, Taiwan. International Journal of Safety and Security Engineering, 2016, 6, 663-673.	1.0	0
173	ESTIMATING PEAK FLOW-DISCHARGE DURING EXTREME RAINFALL EVENTS FOR THE GAO-PING RIVER, TAIWAN. WIT Transactions on State-of-the-art in Science and Engineering, 2016, , 209-219.	0.0	0