C Hsein Juang

List of Publications by Year
in descending order

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168	6,970	44069	71685
papers	citations	48 h-index	76 g-index

168	168	168	2943
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Geohazards in the three Gorges Reservoir Area, China â€“ Lessons learned from decades of research. Engineering Geology, 2019, 261, 105267.	6.3	393
2	Normalized Shear Modulus and Material Damping Ratio Relationships. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 453-464.	3.0	284
3	Simplified Model for Wall Deflection and Ground-Surface Settlement Caused by Braced Excavation in Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 731-747.	3.0	249
4	Rutting Resistance of Rubberized Asphalt Concrete Pavements Containing Reclaimed Asphalt Pavement Mixtures. Journal of Materials in Civil Engineering, 2007, 19, 475-483.	2.9	238
5	Assessing Probability-based Methods for Liquefaction Potential Evaluation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2002, 128, 580-589.	3.0	186
6	What we have learned from the 2008 Wenchuan Earthquake and its aftermath: A decade of research and challenges. Engineering Geology, 2018, 241, 25-32.	6.3	173
7	Simplified Cone Penetration Test-based Method for Evaluating Liquefaction Resistance of Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2003, 129, 66-80.	3.0	160
8	Loess geohazards research in China: Advances and challenges for mega engineering projects. Engineering Geology, 2019, 251, 1-10.	6.3	146
9	Bayesian Updating of Soil Parameters for Braced Excavations Using Field Observations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 395-406.	3.0	134
10	Probabilistic methods for unified treatment of geotechnical and geological uncertainties in a geotechnical analysis. Engineering Geology, 2019, 249, 148-161.	6.3	118
11	First-Order Reliability Method for Probabilistic Liquefaction Triggering Analysis Using CPT. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2006, 132, 337-350.	3.0	108
12	Optimization of site exploration program for improved prediction of tunneling-induced ground settlement in clays. Computers and Geotechnics, 2014, 56, 69-79.	4.7	106
13	Comparing liquefaction evaluation methods using penetration-VS relationships. Soil Dynamics and Earthquake Engineering, 2004, 24, 713-721.	3.8	101
14	Reliability-Based Method for Assessing Liquefaction Potential of Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 684-689.	3.0	100
15	Probabilistic back analysis of slope failure â€“ A case study in Taiwan. Computers and Geotechnics, 2013, 51, 12-23.	4.7	100
16	Geohazards and human settlements: Lessons learned from multiple relocation events in Badong, China â€“ Engineering geologist's perspective. Engineering Geology, 2021, 285, 106051.	6.3	100
17	Effects of Principal Stress Rotation on the Cumulative Deformation of Normally Consolidated Soft Clay under Subway Traffic Loading. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	96
18	Guide for Shear-Wave-Based Liquefaction Potential Evaluation. Earthquake Spectra, 2004, 20, 285-308.	3.1	95

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19	Prediction of Fatigue Life of Rubberized Asphalt Concrete Mixtures Containing Reclaimed Asphalt Pavement Using Artificial Neural Networks. Journal of Materials in Civil Engineering, 2009, 21, 253-261.	2.9	95
20	Simplified procedure for finite element analysis of the longitudinal performance of shield tunnels considering spatial soil variability in longitudinal direction. Computers and Geotechnics, 2015, 64, 132-145.	4.7	92
21	Probabilistic analysis of tunnel longitudinal performance based upon conditional random field simulation of soil properties. Tunnelling and Underground Space Technology, 2018, 73, 1-14.	6.2	92
22	CPTâ€Based Liquefaction Evaluation Using Artificial Neural Networks. Computer-Aided Civil and Infrastructure Engineering, 1999, 14, 221-229.	9.8	90
23	Reliability Analysis and Updating of Excavation-Induced Ground Settlement for Building Serviceability Assessment. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1448-1458.	3.0	87
24	Probabilistic analysis and design of stabilizing piles in slope considering stratigraphic uncertainty. Engineering Geology, 2019, 259, 105162.	6.3	87
25	Permanent deformation characteristics of saturated sand under cyclic loading. Canadian Geotechnical Journal, 2015, 52, 795-807.	2.8	84
26	Modeling small-strain behavior of Taipei clays for finite element analysis of braced excavations. Computers and Geotechnics, 2009, 36, 304-319.	4.7	81
27	Reliability-based design of rock slopes â€" A new perspective on design robustness. Engineering Geology, 2013, 154, 56-63.	6.3	80
28	Reliability-based robust geotechnical design of spread foundations using multi-objective genetic algorithm. Computers and Geotechnics, 2013, 48, 96-106.	4.7	80
29	Simplified Model for Evaluating Damage Potential of Buildings Adjacent to a Braced Excavation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2009, 135, 1823-1835.	3.0	78
30	Risk-based liquefaction potential evaluation using standard penetration tests. Canadian Geotechnical Journal, 2000, 37, 1195-1208.	2.8	74
31	A neural network approach to estimating deflection of diaphragm walls caused by excavation in clays. Computers and Geotechnics, 2007, 34, 385-396.	4.7	73
32	Evaluation of a simplified small-strain soil model for analysis of excavation-induced movements. Canadian Geotechnical Journal, 2007, 44, 726-736.	2.8	72
33	Appraising cone penetration test based liquefaction resistance evaluation methods: artificial neural network approach. Canadian Geotechnical Journal, 1999, 36, 443-454.	2.8	67
34	Neural network-based model for assessing failure potential of highway slopes in the Alishan, Taiwan Area: Pre- and post-earthquake investigation. Engineering Geology, 2009, 104, 280-289.	6.3	67
35	Probability of serviceability failure in a braced excavation in a spatially random field: Fuzzy finite element approach. Computers and Geotechnics, 2011, 38, 1031-1040.	4.7	65
36	Robust Geotechnical Design of Drilled Shafts in Sand: New Design Perspective. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 2007-2019.	3.0	65

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37	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
38	Probabilistic Framework for Liquefaction Potential by Shear Wave Velocity. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 670-678.	3.0	63
39	Stratigraphic uncertainty modelling with random field approach. Computers and Geotechnics, 2020, 125, 103681.	4.7	62
40	Cone penetration test (CPT)-based stratigraphic profiling using the wavelet transform modulus maxima method. Canadian Geotechnical Journal, 2015, 52, 1993-2007.	2.8	58
41	Robust Geotechnical Design of Earth Slopes Using Fuzzy Sets. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	57
42	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
43	Probabilistic version of the Robertson and Wride method for liquefaction evaluation: development and application. Canadian Geotechnical Journal, 2012, 49, 27-44.	2.8	55
44	Reliability analysis of basal-heave in a braced excavation in a 2-D random field. Computers and Geotechnics, 2012, 39, 27-37.	4.7	55
45	Robust geotechnical design of shield-driven tunnels. Computers and Geotechnics, 2014, 56, 191-201.	4.7	55
46	Bootstrapping for Characterizing the Effect of Uncertainty in Sample Statistics for Braced Excavations. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 13-23.	3.0	54
47	Model selection in geological and geotechnical engineering in the face of uncertainty - Does a complex model always outperform a simple model?. Engineering Geology, 2018, 242, 184-196.	6.3	53
48	Simplified Procedure for Developing Joint Distribution of amax and Mw for Probabilistic Liquefaction Hazard Analysis. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 1050-1058.	3.0	51
49	Simplified Approach for Reliability-Based Design against Basal-Heave Failure in Braced Excavations Considering Spatial Effect. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 441-450.	3.0	48
50	Coupled characterization of stratigraphic and geo-properties uncertainties â€“ A conditional random field approach. Engineering Geology, 2021, 294, 106348.	6.3	48
51	Optimization of site investigation program for improved statistical characterization of geotechnical property based on random field theory. Bulletin of Engineering Geology and the Environment, 2017, 76, 1021-1035.	3.5	47
52	UAV photogrammetry-based remote sensing and preliminary assessment of the behavior of a landslide in Guizhou, China. Engineering Geology, 2021, 289, 106172.	6.3	47
53	Bayesian updating of KJHH model for prediction of maximum ground settlement in braced excavations using centrifuge data. Computers and Geotechnics, 2012, 44, 1-8.	4.7	46
54	Gradient-based design robustness measure for robust geotechnical design. Canadian Geotechnical Journal, 2014, 51, 1331-1342.	2.8	45

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55	Optimization design of stabilizing piles in slopes considering spatial variability. Acta Geotechnica, 2020, 15, 3243-3259.	5.7	45
56	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
57	Robust geotechnical design of braced excavations in clays. Structural Safety, 2014, 49, 37-44.	5.3	43
58	Probabilistic analysis of responses of cantilever wall-supported excavations in sands considering vertical spatial variability. Computers and Geotechnics, 2016, 75, 182-191.	4.7	43
59	Probabilistic characterization of subsurface stratigraphic configuration with modified random field approach. Engineering Geology, 2021, 288, 106138.	6.3	43
60	Shear modulus and damping ratio characteristics of gravelly deposits. Canadian Geotechnical Journal, 2000, 37, 638-651.	2.8	42
61	R-LRFD: Load and resistance factor design considering robustness. Computers and Geotechnics, 2016, 74, 74-87.	4.7	40
62	Fully Probabilistic Framework for Evaluating Excavation-Induced Damage Potential of Adjacent Buildings. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2011, 137, 130-139.	3.0	36
63	Reliability Analysis of Rock Wedge Stability: Knowledge-Based Clustered Partitioning Approach. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 700-708.	3.0	36
64	Probabilistic and spatial assessment of liquefaction-induced settlements through multiscale random field models. Engineering Geology, 2016, 211, 135-149.	6.3	36
65	Calibration of SPT- and CPT-Based Liquefaction Evaluation Methods. , 2000, , 49.		35
66	Characterization of the uncertainty of the Robertson and Wride model for liquefaction potential evaluation. Soil Dynamics and Earthquake Engineering, 2004, 24, 771-780.	3.8	35
67	Calibration of empirical models considering model fidelity and model robustness â€" Focusing on predictions of liquefaction-induced settlements. Engineering Geology, 2016, 203, 168-177.	6.3	35
68	Liquefaction-induced ground failure: a study of the Chi-Chi earthquake cases. Engineering Geology, 2004, 71, 141-155.	6.3	34
69	Improved analytical model for circumferential behavior of jointed shield tunnels considering the longitudinal differential settlement. Tunnelling and Underground Space Technology, 2015, 45, 153-165.	6.2	33
70	CPT-Based Evaluation of Liquefaction Potential Accounting for Soil Spatial Variability at Multiple Scales. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2016, 142, .	3.0	33
71	Model Uncertainty of Shear Wave Velocity-Based Method for Liquefaction Potential Evaluation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1274-1282.	3.0	32
72	Robust design in geotechnical engineering â€" an update. Georisk, 2014, 8, 217-234.	3.5	32

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73	Predicting liquefaction probability based on shear wave velocity: an update. Bulletin of Engineering Geology and the Environment, 2016, 75, 1199-1214.	3.5	32
74	Calibration of liquefaction potential index: A re-visit focusing on a new CPTU model. Engineering Geology, 2008, 102, 19-30.	6.3	29
75	Reliability-based robust geotechnical design using Monte Carlo simulation. Bulletin of Engineering Geology and the Environment, 2017, 76, 1217-1227.	3.5	29
76	On the spatial variability of CPT-based geotechnical parameters for regional liquefaction evaluation. Soil Dynamics and Earthquake Engineering, 2017, 95, 153-166.	3.8	29
77	Assessing CPT-based methods for liquefaction evaluation with emphasis on the cases from the Chi-Chi, Taiwan, earthquake. Soil Dynamics and Earthquake Engineering, 2002, 22, 241-258.	3.8	28
78	Rainfall-based criteria for assessing slump rate of mountainous highway slopes: A case study of slopes along Highway 18 in Alishan, Taiwan. Engineering Geology, 2011, 118, 63-74.	6.3	28
79	Probabilistic analysis of a discrete element modelling of the runout behavior of the Jiweishan landslide. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1120-1138.	3.3	28
80	Estimating severity of liquefaction-induced damage near foundation. Soil Dynamics and Earthquake Engineering, 2005, 25, 403-411.	3.8	27
81	Robust design of rock slopes with multiple failure modes: modeling uncertainty of estimated parameter statistics with fuzzy number. Environmental Earth Sciences, 2014, 72, 2957-2969.	2.7	27
82	Probabilistic Inverse Analysis of Excavation-Induced Wall and Ground Responses for Assessing Damage Potential of Adjacent Buildings. Geotechnical and Geological Engineering, 2014, 32, 273-285.	1.7	27
83	Modelling and analysis of non-random uncertaintiesâ€"fuzzy-set approach. International Journal for Numerical and Analytical Methods in Geomechanics, 1992, 16, 335-350.	3.3	26
84	CPTu Simplified Stress-Based Model for Evaluating Soil Liquefaction Potential. Soils and Foundations, 2008, 48, 755-770.	3.1	26
85	A rational method for development of limit state for liquefaction evaluation based on shear wave velocity measurements. International Journal for Numerical and Analytical Methods in Geomechanics, 2000, 24, 1-27.	3.3	24
86	Liquefaction in the Chi-Chi Earthquake-Effect of Fines and Capping Non-Liquefiable Layers. Soils and Foundations, 2005, 45, 89-101.	3.1	24
87	Assessment of liquefaction hazards in Charleston quadrangle, South Carolina. Engineering Geology, 2007, 92, 59-72.	6.3	24
88	Index Properties-Based Criteria for Liquefaction Susceptibility of Clayey Soils: A Critical Assessment. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2007, 133, 110-115.	3.0	23
89	Subgrade reaction and load-settlement characteristics of gravelly cobble deposits by plate-load tests. Canadian Geotechnical Journal, 1998, 35, 801-810.	2.8	21
90	Assessing SPT-based probabilistic models for liquefaction potential evaluation: a 10-year update. Georisk, 2013, 7, 137-150.	3.5	20

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91	Subdomain sampling methods â€“ Efficient algorithm for estimating failure probability. Structural Safety, 2017, 66, 62-73.	5.3	20
92	Model developments of long-term aged asphalt binders. Construction and Building Materials, 2012, 37, 248-256.	7.2	19
93	Efficient Robust Geotechnical Design of Drilled Shafts in Clay Using a Spreadsheet. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	19
94	Bayesian Methods for Geotechnical Applicationsâ€”A Practical Guide. , 2017, , .		19
95	Probabilistic back analysis for improved reliability of geotechnical predictions considering parameters uncertainty, model bias, and observation error. Tunnelling and Underground Space Technology, 2021, 115, 104051.	6.2	19
96	Assessing Probabilistic Methods for Liquefaction Potential Evaluation. , 2000, , 148.		18
97	Improved shield tunnel design methodology incorporating design robustness. Canadian Geotechnical Journal, 2015, 52, 1575-1591.	2.8	18
98	Assessing probability of surface manifestation of liquefaction at a given site in a given exposure time using CPTU. Engineering Geology, 2009, 104, 223-231.	6.3	17
99	Simplified-robust geotechnical design of soldier pileâ€“anchor tieback shoring system for deep excavation. Marine Georesources and Geotechnology, 2017, 35, 157-169.	2.1	17
100	Random field-based regional liquefaction hazard mapping â€” data inference and model verification using a synthetic digital soil field. Bulletin of Engineering Geology and the Environment, 2018, 77, 1273-1286.	3.5	17
101	The role of the geological uncertainty in a geotechnical design â€“ A retrospective view of Freeway No. 3 Landslide in Northern Taiwan. Engineering Geology, 2021, 291, 106233.	6.3	17
102	Liquefaction performance of soils at the site of a partially completed ground improvement project during the 1999 Chi-Chi earthquake in Taiwan. Canadian Geotechnical Journal, 2001, 38, 1241-1253.	2.8	16
103	Mitigation of liquefaction hazard by dynamic compaction â€” a random field perspective. Canadian Geotechnical Journal, 2019, 56, 1803-1815.	2.8	16
104	New Sampling Method and Procedures for Estimating Failure Probability. Journal of Engineering Mechanics - ASCE, 2016, 142, .	2.9	15
105	Soil liquefaction potential evaluation â€“ An update of the HBF method focusing on research and practice in Taiwan. Engineering Geology, 2021, 280, 105926.	6.3	15
106	Predicting Geotechnical Parameters of Sands from CPT Measurements Using Neural Networks. Computer-Aided Civil and Infrastructure Engineering, 2002, 17, 31-42.	9.8	14
107	Probabilistic framework for assessing liquefaction hazard at a given site in a specified exposure time using standard penetration testing. Canadian Geotechnical Journal, 2010, 47, 674-687.	2.8	14
108	Multiobjective optimizationâ€based design of stabilizing piles in earth slopes. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 1516-1536.	3.3	14

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109	Model Uncertainty in Normalized Shear Modulus and Damping Relationships. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 24-36.	3.0	13
110	Simplified DMT-based methods for evaluating liquefaction resistance of soils. Engineering Geology, 2009, 103, 13-22.	6.3	13
111	Framework for assessing probability of exceeding a specified liquefaction-induced settlement at a given site in a given exposure time. Engineering Geology, 2009, 108, 24-35.	6.3	13
112	Confidence level-based robust design of cantilever retaining walls in sand. Computers and Geotechnics, 2013, 52, 16-27.	4.7	12
113	Robust design optimization of retaining wall backfilled with shredded tire in the face of earthquake hazards. Bulletin of Engineering Geology and the Environment, 2021, 80, 1351-1363.	3.5	12
114	Framework for probabilistic assessment of landslide: a case study of El Berrinche. Environmental Earth Sciences, 2009, 59, 489-499.	2.7	11
115	Response surface-based robust geotechnical design of supported excavation â€“ spreadsheet-based solution. Georisk, 2017, 11, 90-102.	3.5	11
116	Analyses of braced excavation considering parameter uncertainties using a finite element code. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2014, 37, 141-151.	1.1	10
117	Assessing characteristic value selection methods for design with load and resistance factor design (LRFD) â€” design robustness perspective. Canadian Geotechnical Journal, 2019, 56, 1475-1485.	2.8	9
118	Calibration of resistance factor for design of pile foundations considering feasibility robustness. Computers and Geotechnics, 2017, 81, 229-238.	4.7	8
119	Assessing Initial Stiffness Models for Laterally Loaded Piles in Undrained Clay: Robust Design Perspective. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	8
120	A new framework for characterizing landslide deformation: a case study of the Yu-Kai highway landslide in Guizhou, China. Bulletin of Engineering Geology and the Environment, 2019, 78, 4291-4309.	3.5	8
121	Modified robust geotechnical design approach based on the sensitivity of reliability index. Probabilistic Engineering Mechanics, 2020, 60, 103049.	2.7	8
122	Dynamic site response analysis in the face of uncertaintyâ€“an approach based on response surface method. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 1854-1867.	3.3	8
123	Trending topics of significance in engineering geology. Engineering Geology, 2022, 296, 106460.	6.3	8
124	Numerical integration method for computing reliability index of geotechnical system. Georisk, 2016, 10, 109-120.	3.5	7
125	Assessing effect of dynamic compaction on liquefaction potential using statistical methods â€“ a case study. Georisk, 2019, 13, 341-348.	3.5	6
126	A hybrid framework for developing empirical model for seismic deformations of anchored sheetpile bulkheads. Soil Dynamics and Earthquake Engineering, 2019, 116, 192-204.	3.8	6

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127	Assessing error in the 3D discontinuity-orientation distribution estimated by the FouchÃ© method. Computers and Geotechnics, 2020, 119, 103293.	4.7	6
128	VERTICAL CAPACITY OF PILES USING FUZZY SETS. Civil Engineering and Environmental Systems, 2000, 17, 237-262.	0.9	5
129	Reliability-Based Design for Basal Heave in an Excavation Considering Spatial Variability. , 2010, , .		5
130	Updating Uncertain Soil Parameters by Maximum Likelihood Method for Predicting Maximum Ground and Wall Movements in Braced Excavations. , 2013, , .		5
131	Reliability-based Assessment of Stability of Slopes. IOP Conference Series: Earth and Environmental Science, 2015, 26, 012006.	0.3	5
132	Probabilistic Methods for Assessing Soil Liquefaction Potential and Effect. , 2017, , .		5
133	Annual probability and return period of soil liquefaction in Yuanlin, Taiwan attributed to Chelungpu Fault and Changhua Fault. Engineering Geology, 2010, 114, 343-353.	6.3	4
134	Evaluation of Soil Variability Influence on Deep Excavation Analysisâ€“Simplified Approach. , 2012, , .		4
135	Robust Geotechnical Design of Shield-Driven Tunnels Using Fuzzy Sets. , 2014, , .		4
136	Simplified procedure for reliability-based robust geotechnical design of drilled shafts in clay using spreadsheet. Georisk, 2016, 10, 121-134.	3.5	4
137	Estimation of Liquefaction-Induced Vertical Displacements Using Multilinear Regression Analysis. , 2000, , 92.		2
138	Reliability Analysis of Soil Liquefaction Potential. , 2005, , 1.		2
139	Fractile-based method for selecting characteristic values for geotechnical design with LRFD. Soils and Foundations, 2020, 60, 115-128.	3.1	2
140	A new approach to constructing SPT-CPT correlation for sandy soils. Georisk, 2023, 17, 406-422.	3.5	2
141	Estimation of Wall Deflection in Braced Excavation in Clays Using Artificial Neural Networks. , 2006, , .		1
142	Empirical Model for Liquefaction Resistance of Soils Based on Artificial Neural Network Learning of Case Histories. , 2008, , .		1
143	Wall and Ground Responses in a Braced Excavation Considering Spatial Variability. , 2011, , .		1
144	Moment Methods for Assessing the Probability of Serviceability Failure in Braced Excavations. , 2014, , .		1

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145	Robust Design of Braced Excavations Using Multiobjective Optimization-Focusing on Prevention of Damage to Adjacent Buildings. , 2014, , .		1
146	Reliability-Based Robust Geotechnical Design of Rock Bolts for Slope Stabilization. , 2015, , .		1
147	Bayesian Updating of a Spatially Varied Soil Property for Enhancing Reliability in Drilled Shaft Design. , 2016, , .		1
148	Regional Liquefaction Mapping Accounting for Multiscale Spatial Variability of Soil Parameters with Geological Constraints. , 2017, , .		1
149	Verification of Random Field-Based Liquefaction Mapping Using a Synthetic Digital Soil Field. , 2017, , .		1
150	Case Histories of Liquefaction-Induced Building Damageâ€“Focusing on the 22 February 2011 Christchurch Earthquake. , 2018, , .		1
151	The Role of Geological Uncertainty in a Geotechnical Designâ€”A Retrospective View of Freeway No. 3 Landslide in Northern Taiwan. , 2021, , .		1
152	Updating of Soil Parameters for Improving the Accuracy of the Excavation-Induced Building Damage Assessment. , 2009, , .		0
153	Effect of Spatial Variability on Probability-Based Design of Excavations against Basal-Heave. , 2012, , .		0
154	Reply to comments by JP Wang and Duruo Huang on â€œAnnual probability and return period of soil liquefaction in Yuanlin, Taiwan attributed to Chelungpu Fault and Changhua Faultâ€•by Lee et al. (2010) in Engineering Geology, 114: 343â€“353. Engineering Geology, 2012, 149-150, 97-98.	6.3	0
155	Optimization of Site Exploration Effort to Improve the Accuracy of Tunneling-Induced Ground Settlement Prediction in Soft Clays. , 2014, , .		0
156	Effect of Spatial Variability on the Reliability-Based Design of Drilled Shafts. , 2014, , .		0
157	Robust Design Optimization Applied to Braced Excavations. , 2015, , .		0
158	R-LRFD:RobustLoad and Resistance Factor Design. , 2015, , .		0
159	Extended Kalman Filter for the Inverse Analysis of a Supported Excavation Based on Field Monitoring Data for Improving Predictions of Ground Responses. , 2016, , .		0
160	Site Characterization in Geotechnical Engineeringâ€”Does a Random Field Model Always Outperform a Random Variable Model?. , 2017, , .		0
161	Practical Robust Geotechnical Design of Supported Excavationsâ€”A Case History of Excavation in Taiwan. , 2017, , .		0
162	Total Failure Probability of a Slope at a Given Site in a Seismic-Prone Zone in a Specified Exposure Time. , 2017, , .		0

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163	Optimization-Based Design of Stabilizing Piles. , 2018, , 45-53.		0
164	Integration of Heterogeneous Data for Multiscale Regional Liquefaction Settlement Mapping. , 2018, , .		0
165	Bi-objective Optimization of Site Investigation Program for Liquefaction Hazard Mapping. , 2018, , 86-93.		0
166	Probabilistic Stability Assessment of Earthen Levees Subjected to Earthquake Loads. , 2021, , .		0
167	Probabilistic Assessment and Mapping of Liquefaction Hazard: From Site-Specific Analysis to Regional Mapping. , 2018, , 1-16.		0
168	CPTu-SPT correlation analyses based on pairwise data in Southwestern Taiwan. Georisk, 0, , 1-18.	3.5	0