

# C Hsein Juang

## List of Publications by Year in descending order

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Version: 2024-02-01

168  
papers

6,970  
citations

44069

48  
h-index

71685

76  
g-index

168  
all docs

168  
docs citations

168  
times ranked

2943  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new approach to constructing SPT-CPT correlation for sandy soils. <i>Georisk</i> , 2023, 17, 406-422.	3.5	2
2	Trending topics of significance in engineering geology. <i>Engineering Geology</i> , 2022, 296, 106460.	6.3	8
3	Robust design optimization of retaining wall backfilled with shredded tire in the face of earthquake hazards. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 1351-1363.	3.5	12
4	Soil liquefaction potential evaluation – An update of the HBF method focusing on research and practice in Taiwan. <i>Engineering Geology</i> , 2021, 280, 105926.	6.3	15
5	Probabilistic analysis of a discrete element modelling of the runout behavior of the Jiweishan landslide. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 1120-1138.	3.3	28
6	Geohazards and human settlements: Lessons learned from multiple relocation events in Badong, China – Engineering geologist's perspective. <i>Engineering Geology</i> , 2021, 285, 106051.	6.3	100
7	Probabilistic Stability Assessment of Earthen Levees Subjected to Earthquake Loads. , 2021, , .		0
8	Dynamic site response analysis in the face of uncertainty – an approach based on response surface method. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 1854-1867.	3.3	8
9	Probabilistic characterization of subsurface stratigraphic configuration with modified random field approach. <i>Engineering Geology</i> , 2021, 288, 106138.	6.3	43
10	UAV photogrammetry-based remote sensing and preliminary assessment of the behavior of a landslide in Guizhou, China. <i>Engineering Geology</i> , 2021, 289, 106172.	6.3	47
11	The role of the geological uncertainty in a geotechnical design – A retrospective view of Freeway No. 3 Landslide in Northern Taiwan. <i>Engineering Geology</i> , 2021, 291, 106233.	6.3	17
12	Probabilistic back analysis for improved reliability of geotechnical predictions considering parameters uncertainty, model bias, and observation error. <i>Tunnelling and Underground Space Technology</i> , 2021, 115, 104051.	6.2	19
13	Coupled characterization of stratigraphic and geo-properties uncertainties – A conditional random field approach. <i>Engineering Geology</i> , 2021, 294, 106348.	6.3	48
14	The Role of Geological Uncertainty in a Geotechnical Design – A Retrospective View of Freeway No. 3 Landslide in Northern Taiwan. , 2021, , .		1
15	Assessing error in the 3D discontinuity-orientation distribution estimated by the Fouché method. <i>Computers and Geotechnics</i> , 2020, 119, 103293.	4.7	6
16	Stratigraphic uncertainty modelling with random field approach. <i>Computers and Geotechnics</i> , 2020, 125, 103681.	4.7	62
17	Fractile-based method for selecting characteristic values for geotechnical design with LRFD. <i>Soils and Foundations</i> , 2020, 60, 115-128.	3.1	2
18	Modified robust geotechnical design approach based on the sensitivity of reliability index. <i>Probabilistic Engineering Mechanics</i> , 2020, 60, 103049.	2.7	8

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19	Optimization design of stabilizing piles in slopes considering spatial variability. <i>Acta Geotechnica</i> , 2020, 15, 3243-3259.	5.7	45
20	Geohazards in the three Gorges Reservoir Area, China – Lessons learned from decades of research. <i>Engineering Geology</i> , 2019, 261, 105267.	6.3	393
21	Assessing Initial Stiffness Models for Laterally Loaded Piles in Undrained Clay: Robust Design Perspective. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	8
22	Loess geohazards research in China: Advances and challenges for mega engineering projects. <i>Engineering Geology</i> , 2019, 251, 1-10.	6.3	146
23	Mitigation of liquefaction hazard by dynamic compaction – a random field perspective. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1803-1815.	2.8	16
24	Probabilistic analysis and design of stabilizing piles in slope considering stratigraphic uncertainty. <i>Engineering Geology</i> , 2019, 259, 105162.	6.3	87
25	Assessing effect of dynamic compaction on liquefaction potential using statistical methods – a case study. <i>Georisk</i> , 2019, 13, 341-348.	3.5	6
26	Multiobjective optimization-based design of stabilizing piles in earth slopes. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2019, 43, 1516-1536.	3.3	14
27	Probabilistic methods for unified treatment of geotechnical and geological uncertainties in a geotechnical analysis. <i>Engineering Geology</i> , 2019, 249, 148-161.	6.3	118
28	Assessing characteristic value selection methods for design with load and resistance factor design (LRFD) – design robustness perspective. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1475-1485.	2.8	9
29	A new framework for characterizing landslide deformation: a case study of the Yu-Kai highway landslide in Guizhou, China. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 4291-4309.	3.5	8
30	A hybrid framework for developing empirical model for seismic deformations of anchored sheetpile bulkheads. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 116, 192-204.	3.8	6
31	What we have learned from the 2008 Wenchuan Earthquake and its aftermath: A decade of research and challenges. <i>Engineering Geology</i> , 2018, 241, 25-32.	6.3	173
32	Probabilistic analysis of tunnel longitudinal performance based upon conditional random field simulation of soil properties. <i>Tunnelling and Underground Space Technology</i> , 2018, 73, 1-14.	6.2	92
33	Random field-based regional liquefaction hazard mapping – data inference and model verification using a synthetic digital soil field. <i>Bulletin of Engineering Geology and the Environment</i> , 2018, 77, 1273-1286.	3.5	17
34	Model selection in geological and geotechnical engineering in the face of uncertainty - Does a complex model always outperform a simple model?. <i>Engineering Geology</i> , 2018, 242, 184-196.	6.3	53
35	Optimization-Based Design of Stabilizing Piles. , 2018, , 45-53.		0
36	Integration of Heterogeneous Data for Multiscale Regional Liquefaction Settlement Mapping. , 2018, , .		0

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37	Bi-objective Optimization of Site Investigation Program for Liquefaction Hazard Mapping. , 2018, , 86-93.		0
38	Case Histories of Liquefaction-Induced Building Damage“Focusing on the 22 February 2011 Christchurch Earthquake. , 2018, , .		1
39	Probabilistic Assessment and Mapping of Liquefaction Hazard: From Site-Specific Analysis to Regional Mapping. , 2018, , 1-16.		0
40	Simplified-robust geotechnical design of soldier pile“anchor tieback shoring system for deep excavation. Marine Georesources and Geotechnology, 2017, 35, 157-169.	2.1	17
41	Reliability-based robust geotechnical design using Monte Carlo simulation. Bulletin of Engineering Geology and the Environment, 2017, 76, 1217-1227.	3.5	29
42	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
43	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
44	Subdomain sampling methods “ Efficient algorithm for estimating failure probability. Structural Safety, 2017, 66, 62-73.	5.3	20
45	Regional Liquefaction Mapping Accounting for Multiscale Spatial Variability of Soil Parameters with Geological Constraints. , 2017, , .		1
46	Site Characterization in Geotechnical Engineering“Does a Random Field Model Always Outperform a Random Variable Model?. , 2017, , .		0
47	Bayesian Methods for Geotechnical Applications“A Practical Guide. , 2017, , .		19
48	Probabilistic Methods for Assessing Soil Liquefaction Potential and Effect. , 2017, , .		5
49	Practical Robust Geotechnical Design of Supported Excavations“A Case History of Excavation in Taiwan. , 2017, , .		0
50	Verification of Random Field-Based Liquefaction Mapping Using a Synthetic Digital Soil Field. , 2017, , .		1
51	Total Failure Probability of a Slope at a Given Site in a Seismic-Prone Zone in a Specified Exposure Time. , 2017, , .		0
52	Calibration of resistance factor for design of pile foundations considering feasibility robustness. Computers and Geotechnics, 2017, 81, 229-238.	4.7	8
53	Response surface-based robust geotechnical design of supported excavation “ spreadsheet-based solution. Georisk, 2017, 11, 90-102.	3.5	11
54	Bayesian Updating of a Spatially Varied Soil Property for Enhancing Reliability in Drilled Shaft Design. , 2016, , .		1

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55	Simplified procedure for reliability-based robust geotechnical design of drilled shafts in clay using spreadsheet. <i>Georisk</i> , 2016, 10, 121-134.	3.5	4
56	Predicting liquefaction probability based on shear wave velocity: an update. <i>Bulletin of Engineering Geology and the Environment</i> , 2016, 75, 1199-1214.	3.5	32
57	Probabilistic and spatial assessment of liquefaction-induced settlements through multiscale random field models. <i>Engineering Geology</i> , 2016, 211, 135-149.	6.3	36
58	Extended Kalman Filter for the Inverse Analysis of a Supported Excavation Based on Field Monitoring Data for Improving Predictions of Ground Responses. , 2016, , .		0
59	R-LRFD: Load and resistance factor design considering robustness. <i>Computers and Geotechnics</i> , 2016, 74, 74-87.	4.7	40
60	Probabilistic analysis of responses of cantilever wall-supported excavations in sands considering vertical spatial variability. <i>Computers and Geotechnics</i> , 2016, 75, 182-191.	4.7	43
61	Numerical integration method for computing reliability index of geotechnical system. <i>Georisk</i> , 2016, 10, 109-120.	3.5	7
62	New Sampling Method and Procedures for Estimating Failure Probability. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .	2.9	15
63	Calibration of empirical models considering model fidelity and model robustness " Focusing on predictions of liquefaction-induced settlements. <i>Engineering Geology</i> , 2016, 203, 168-177.	6.3	35
64	CPT-Based Evaluation of Liquefaction Potential Accounting for Soil Spatial Variability at Multiple Scales. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2016, 142, .	3.0	33
65	Robust Design Optimization Applied to Braced Excavations. , 2015, , .		0
66	Reliability-Based Robust Geotechnical Design of Rock Bolts for Slope Stabilization. , 2015, , .		1
67	<i>R</i>-LRFD:<i>Robust</i> Load and Resistance Factor Design. , 2015, , .		0
68	Reliability-based Assessment of Stability of Slopes. <i>IOP Conference Series: Earth and Environmental Science</i> , 2015, 26, 012006.	0.3	5
69	Improved shield tunnel design methodology incorporating design robustness. <i>Canadian Geotechnical Journal</i> , 2015, 52, 1575-1591.	2.8	18
70	Cone penetration test (CPT)-based stratigraphic profiling using the wavelet transform modulus maxima method. <i>Canadian Geotechnical Journal</i> , 2015, 52, 1993-2007.	2.8	58
71	Permanent deformation characteristics of saturated sand under cyclic loading. <i>Canadian Geotechnical Journal</i> , 2015, 52, 795-807.	2.8	84
72	Simplified procedure for finite element analysis of the longitudinal performance of shield tunnels considering spatial soil variability in longitudinal direction. <i>Computers and Geotechnics</i> , 2015, 64, 132-145.	4.7	92

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73	Efficient Robust Geotechnical Design of Drilled Shafts in Clay Using a Spreadsheet. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	19
74	Robust Geotechnical Design of Earth Slopes Using Fuzzy Sets. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2015, 141, .	3.0	57
75	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
76	Robust design in geotechnical engineering – an update. Georisk, 2014, 8, 217-234.	3.5	32
77	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 Hsueh K'an, 2014, 37, 141-151.	1.1	10
78	Moment Methods for Assessing the Probability of Serviceability Failure in Braced Excavations. , 2014, , .		1
79	Optimization of Site Exploration Effort to Improve the Accuracy of Tunneling-Induced Ground Settlement Prediction in Soft Clays. , 2014, , .		0
80	Robust Design of Braced Excavations Using Multiobjective Optimization-Focusing on Prevention of Damage to Adjacent Buildings. , 2014, , .		1
81	Effect of Spatial Variability on the Reliability-Based Design of Drilled Shafts. , 2014, , .		0
82	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
83	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
84	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
85	Robust geotechnical design of braced excavations in clays. Structural Safety, 2014, 49, 37-44.	5.3	43
86	Robust geotechnical design of shield-driven tunnels. Computers and Geotechnics, 2014, 56, 191-201.	4.7	55
87	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
88	Gradient-based design robustness measure for robust geotechnical design. Canadian Geotechnical Journal, 2014, 51, 1331-1342.	2.8	45
89	Robust Geotechnical Design of Shield-Driven Tunnels Using Fuzzy Sets. , 2014, , .		4
90	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

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91	Confidence level-based robust design of cantilever retaining walls in sand. Computers and Geotechnics, 2013, 52, 16-27.	4.7	12
92	Probabilistic back analysis of slope failure " A case study in Taiwan. Computers and Geotechnics, 2013, 51, 12-23.	4.7	100
93	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
94	Reliability-based design of rock slopes " A new perspective on design robustness. Engineering Geology, 2013, 154, 56-63.	6.3	80
95	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
96	Reliability-based robust geotechnical design of spread foundations using multi-objective genetic algorithm. Computers and Geotechnics, 2013, 48, 96-106.	4.7	80
97	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
98	Updating Uncertain Soil Parameters by Maximum Likelihood Method for Predicting Maximum Ground and Wall Movements in Braced Excavations. , 2013, , .		5
99	Assessing SPT-based probabilistic models for liquefaction potential evaluation: a 10-year update. Georisk, 2013, 7, 137-150.	3.5	20
100	Effect of Spatial Variability on Probability-Based Design of Excavations against Basal-Heave. , 2012, , .		0
101	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
102	Evaluation of Soil Variability Influence on Deep Excavation Analysis" Simplified Approach. , 2012, , .		4
103	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
104	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
105	Probabilistic version of the Robertson and Wride method for liquefaction evaluation: development and application. Canadian Geotechnical Journal, 2012, 49, 27-44.	2.8	55
106	Model developments of long-term aged asphalt binders. Construction and Building Materials, 2012, 37, 248-256.	7.2	19
107	Reply to comments by JP Wang and Duruo Huang on "Annual probability and return period of soil liquefaction in Yuanlin, Taiwan attributed to Chelungpu Fault and Changhua Fault" by Lee et al. (2010) in Engineering Geology, 114: 343"353. Engineering Geology, 2012, 149-150, 97-98.	6.3	0
108	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

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109	Bayesian updating of KJHH model for prediction of maximum ground settlement in braced excavations using centrifuge data. <i>Computers and Geotechnics</i> , 2012, 44, 1-8.	4.7	46
110	New models for probability of liquefaction using standard penetration tests based on an updated database of case histories. <i>Engineering Geology</i> , 2012, 133-134, 85-93.	6.3	64
111	Fully Probabilistic Framework for Evaluating Excavation-Induced Damage Potential of Adjacent Buildings. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 130-139.	3.0	36
112	Probability of serviceability failure in a braced excavation in a spatially random field: Fuzzy finite element approach. <i>Computers and Geotechnics</i> , 2011, 38, 1031-1040.	4.7	65
113	Rainfall-based criteria for assessing slump rate of mountainous highway slopes: A case study of slopes along Highway 18 in Alishan, Taiwan. <i>Engineering Geology</i> , 2011, 118, 63-74.	6.3	28
114	Wall and Ground Responses in a Braced Excavation Considering Spatial Variability. , 2011, , .		1
115	Reliability-Based Design for Basal Heave in an Excavation Considering Spatial Variability. , 2010, , .		5
116	Annual probability and return period of soil liquefaction in Yuanlin, Taiwan attributed to Chelungpu Fault and Changhua Fault. <i>Engineering Geology</i> , 2010, 114, 343-353.	6.3	4
117	Probabilistic framework for assessing liquefaction hazard at a given site in a specified exposure time using standard penetration testing. <i>Canadian Geotechnical Journal</i> , 2010, 47, 674-687.	2.8	14
118	Updating of Soil Parameters for Improving the Accuracy of the Excavation-Induced Building Damage Assessment. , 2009, , .		0
119	Modeling small-strain behavior of Taipei clays for finite element analysis of braced excavations. <i>Computers and Geotechnics</i> , 2009, 36, 304-319.	4.7	81
120	Neural network-based model for assessing failure potential of highway slopes in the Alishan, Taiwan Area: Pre- and post-earthquake investigation. <i>Engineering Geology</i> , 2009, 104, 280-289.	6.3	67
121	Framework for probabilistic assessment of landslide: a case study of El Berrinche. <i>Environmental Earth Sciences</i> , 2009, 59, 489-499.	2.7	11
122	Simplified DMT-based methods for evaluating liquefaction resistance of soils. <i>Engineering Geology</i> , 2009, 103, 13-22.	6.3	13
123	Assessing probability of surface manifestation of liquefaction at a given site in a given exposure time using CPTU. <i>Engineering Geology</i> , 2009, 104, 223-231.	6.3	17
124	Framework for assessing probability of exceeding a specified liquefaction-induced settlement at a given site in a given exposure time. <i>Engineering Geology</i> , 2009, 108, 24-35.	6.3	13
125	Prediction of Fatigue Life of Rubberized Asphalt Concrete Mixtures Containing Reclaimed Asphalt Pavement Using Artificial Neural Networks. <i>Journal of Materials in Civil Engineering</i> , 2009, 21, 253-261.	2.9	95
126	Simplified Model for Evaluating Damage Potential of Buildings Adjacent to a Braced Excavation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 1823-1835.	3.0	78

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127	Calibration of liquefaction potential index: A re-visit focusing on a new CPTU model. <i>Engineering Geology</i> , 2008, 102, 19-30.	6.3	29
128	Reliability Analysis and Updating of Excavation-Induced Ground Settlement for Building Serviceability Assessment. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 1448-1458.	3.0	87
129	Simplified Procedure for Developing Joint Distribution of $\sigma_{vm}$ and $M_w$ for Probabilistic Liquefaction Hazard Analysis. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 1050-1058.	3.0	51
130	Model Uncertainty in Normalized Shear Modulus and Damping Relationships. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 24-36.	3.0	13
131	Empirical Model for Liquefaction Resistance of Soils Based on Artificial Neural Network Learning of Case Histories. , 2008, , .		1
132	CPTu Simplified Stress-Based Model for Evaluating Soil Liquefaction Potential. <i>Soils and Foundations</i> , 2008, 48, 755-770.	3.1	26
133	Evaluation of a simplified small-strain soil model for analysis of excavation-induced movements. <i>Canadian Geotechnical Journal</i> , 2007, 44, 726-736.	2.8	72
134	Index Properties-Based Criteria for Liquefaction Susceptibility of Clayey Soils: A Critical Assessment. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 110-115.	3.0	23
135	Simplified Model for Wall Deflection and Ground-Surface Settlement Caused by Braced Excavation in Clays. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 731-747.	3.0	249
136	Rutting Resistance of Rubberized Asphalt Concrete Pavements Containing Reclaimed Asphalt Pavement Mixtures. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 475-483.	2.9	238
137	A neural network approach to estimating deflection of diaphragm walls caused by excavation in clays. <i>Computers and Geotechnics</i> , 2007, 34, 385-396.	4.7	73
138	Assessment of liquefaction hazards in Charleston quadrangle, South Carolina. <i>Engineering Geology</i> , 2007, 92, 59-72.	6.3	24
139	Estimation of Wall Deflection in Braced Excavation in Clays Using Artificial Neural Networks. , 2006, , .		1
140	First-Order Reliability Method for Probabilistic Liquefaction Triggering Analysis Using CPT. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2006, 132, 337-350.	3.0	108
141	Estimating severity of liquefaction-induced damage near foundation. <i>Soil Dynamics and Earthquake Engineering</i> , 2005, 25, 403-411.	3.8	27
142	Liquefaction in the Chi-Chi Earthquake-Effect of Fines and Capping Non-Liquefiable Layers. <i>Soils and Foundations</i> , 2005, 45, 89-101.	3.1	24
143	Model Uncertainty of Shear Wave Velocity-Based Method for Liquefaction Potential Evaluation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 1274-1282.	3.0	32
144	Normalized Shear Modulus and Material Damping Ratio Relationships. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 453-464.	3.0	284

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145	Reliability Analysis of Soil Liquefaction Potential. , 2005, , 1.		2
146	Liquefaction-induced ground failure: a study of the Chi-Chi earthquake cases. Engineering Geology, 2004, 71, 141-155.	6.3	34
147	Comparing liquefaction evaluation methods using penetration-VS relationships. Soil Dynamics and Earthquake Engineering, 2004, 24, 713-721.	3.8	101
148	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
149	Guide for Shear-Wave-Based Liquefaction Potential Evaluation. Earthquake Spectra, 2004, 20, 285-308.	3.1	95
150	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
151	Assessing Probability-based Methods for Liquefaction Potential Evaluation. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2002, 128, 580-589.	3.0	186
152	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
153	Predicting Geotechnical Parameters of Sands from CPT Measurements Using Neural Networks. Computer-Aided Civil and Infrastructure Engineering, 2002, 17, 31-42.	9.8	14
154	Probabilistic Framework for Liquefaction Potential by Shear Wave Velocity. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2001, 127, 670-678.	3.0	63
155	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
156	Estimation of Liquefaction-Induced Vertical Displacements Using Multilinear Regression Analysis. , 2000, , 92.		2
157	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
158	VERTICAL CAPACITY OF PILES USING FUZZY SETS. Civil Engineering and Environmental Systems, 2000, 17, 237-262.	0.9	5
159	Shear modulus and damping ratio characteristics of gravelly deposits. Canadian Geotechnical Journal, 2000, 37, 638-651.	2.8	42
160	Assessing Probabilistic Methods for Liquefaction Potential Evaluation. , 2000, , 148.		18
161	Risk-based liquefaction potential evaluation using standard penetration tests. Canadian Geotechnical Journal, 2000, 37, 1195-1208.	2.8	74
162	Calibration of SPT- and CPT-Based Liquefaction Evaluation Methods. , 2000, , 49.		35

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163	CPT-Based Liquefaction Evaluation Using Artificial Neural Networks. Computer-Aided Civil and Infrastructure Engineering, 1999, 14, 221-229.	9.8	90
164	Appraising cone penetration test based liquefaction resistance evaluation methods: artificial neural network approach. Canadian Geotechnical Journal, 1999, 36, 443-454.	2.8	67
165	Reliability-Based Method for Assessing Liquefaction Potential of Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 1999, 125, 684-689.	3.0	100
166	Subgrade reaction and load-settlement characteristics of gravelly cobble deposits by plate-load tests. Canadian Geotechnical Journal, 1998, 35, 801-810.	2.8	21
167	Modelling and analysis of non-random uncertainties—fuzzy-set approach. International Journal for Numerical and Analytical Methods in Geomechanics, 1992, 16, 335-350.	3.3	26
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