

Anthony Te Goh

List of Publications by Year in descending order

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34
papers

3,348
citations

257101

24
h-index

476904

29
g-index

34
all docs

34
docs citations

34
times ranked

2586
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of basal heave stability for braced excavations in anisotropic clay using extreme gradient boosting and random forest regression. <i>Underground Space (China)</i> , 2022, 7, 233-241.	3.4	58
2	Estimation of diaphragm wall deflections for deep braced excavation in anisotropic clays using ensemble learning. <i>Geoscience Frontiers</i> , 2021, 12, 365-373.	4.3	92
3	Effects of jet grouting slabs on responses for deep braced excavations. <i>Underground Space (China)</i> , 2021, 6, 185-194.	3.4	22
4	Limit state analysis on deep braced excavation adjacent to an existing upper slope in mountainous terrain. , 2021, , 327-346.		0
5	Deterministic and reliability analysis of basal heave stability for excavation in spatial variable soils. <i>Computers and Geotechnics</i> , 2019, 108, 152-160.	2.3	70
6	Estimation of strut forces for braced excavation in granular soils from numerical analysis and case histories. <i>Computers and Geotechnics</i> , 2019, 106, 286-295.	2.3	57
7	Assessment of Soil Liquefaction Based on Capacity Energy Concept and Back-Propagation Neural Networks. , 2018, , 41-51.		12
8	Multivariate adaptive regression splines for inverse analysis of soil and wall properties in braced excavation. <i>Tunnelling and Underground Space Technology</i> , 2017, 64, 24-33.	3.0	93
9	Assessment of strut forces for braced excavation in clays from numerical analysis and field measurements. <i>Computers and Geotechnics</i> , 2017, 86, 141-149.	2.3	53
10	Evaluating stability of underground entry-type excavations using multivariate adaptive regression splines and logistic regression. <i>Tunnelling and Underground Space Technology</i> , 2017, 70, 148-154.	3.0	87
11	Basal heave stability of supported circular excavations in clay. <i>Tunnelling and Underground Space Technology</i> , 2017, 61, 145-149.	3.0	25
12	MARS and Neural Network Models for Shear Strength Prediction of Squat Reinforced Concrete Walls. <i>Advances in Civil and Industrial Engineering Book Series</i> , 2017, , 294-327.	0.2	0
13	Multivariate adaptive regression splines and neural network models for prediction of pile drivability. <i>Geoscience Frontiers</i> , 2016, 7, 45-52.	4.3	368
14	Predictive models of ultimate and serviceability performances for underground twin caverns. <i>Geomechanics and Engineering</i> , 2016, 10, 175-188.	0.9	5
15	Evaluating seismic liquefaction potential using multivariate adaptive regression splines and logistic regression. <i>Geomechanics and Engineering</i> , 2016, 10, 269-284.	0.9	45
16	Assessment of soil liquefaction based on capacity energy concept and multivariate adaptive regression splines. <i>Engineering Geology</i> , 2015, 188, 29-37.	2.9	117
17	Numerical study of pillar stresses and interaction effects for twin rock caverns. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2015, 39, 193-206.	1.7	27
18	A simple prediction model for wall deflection caused by braced excavation in clays. <i>Computers and Geotechnics</i> , 2015, 63, 67-72.	2.3	109

#	ARTICLE	IF	CITATIONS
19	Multivariate adaptive regression splines model for reliability assessment of serviceability limit state of twin caverns. <i>Geomechanics and Engineering</i> , 2014, 7, 431-458.	0.9	14
20	Geotechnical Applications of Bayesian Neural Networks. , 2013, , 271-287.		1
21	Reliability assessment on ultimate and serviceability limit states and determination of critical factor of safety for underground rock caverns. <i>Tunnelling and Underground Space Technology</i> , 2012, 32, 221-230.	3.0	112
22	Reliability Assessment of Excavation-Related Movements of Underground Structures. , 2010, , .		0
23	Reliability assessment of EPB tunnel-related settlement. <i>Geomechanics and Engineering</i> , 2010, 2, 57-69.	0.9	19
24	Support vector machines: Their use in geotechnical engineering as illustrated using seismic liquefaction data. <i>Computers and Geotechnics</i> , 2007, 34, 410-421.	2.3	216
25	Estimating wall deflections in deep excavations using Bayesian neural networks. <i>Tunnelling and Underground Space Technology</i> , 2005, 20, 400-409.	3.0	39
26	Bayesian Neural Network Analysis of Undrained Side Resistance of Drilled Shafts. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 84-93.	1.5	126
27	Pile Response Adjacent to Braced Excavation. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2003, 129, 383-386.	1.5	75
28	Neural network approach to model the limit state surface for reliability analysis. <i>Canadian Geotechnical Journal</i> , 2003, 40, 1235-1244.	1.4	46
29	Probabilistic neural network for evaluating seismic liquefaction potential. <i>Canadian Geotechnical Journal</i> , 2002, 39, 219-232.	1.4	155
30	Ultimate Soil Pressures for Piles Subjected to Lateral Soil Movements. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2002, 128, 530-535.	1.5	47
31	Genetic algorithm search for critical slip surface in multiple-wedge stability analysis. <i>Canadian Geotechnical Journal</i> , 1999, 36, 382-391.	1.4	94
32	Back-propagation neural networks for modeling complex systems. <i>Advanced Engineering Informatics</i> , 1995, 9, 143-151.	0.5	797
33	Modeling Soil Correlations Using Neural Networks. <i>Journal of Computing in Civil Engineering</i> , 1995, 9, 275-278.	2.5	70
34	Seismic Liquefaction Potential Assessed by Neural Networks. <i>Journal of Geotechnical Engineering</i> , 1994, 120, 1467-1480.	0.4	297