

Yong Tan

List of Publications by Year in descending order

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61
papers

2,226
citations

201385

27
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all docs

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docs citations

62
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of water pressure on deep subsea tunnel buried within sandy seabed. <i>Marine Georesources and Geotechnology</i> , 2022, 40, 967-982.	1.2	2
2	Overview on failures of urban underground infrastructures in complex geological conditions due to heavy rainfall in China during 1994â€“2018. <i>Sustainable Cities and Society</i> , 2022, 76, 103509.	5.1	23
3	Statistical Analyses on a Database of Deep Excavations in Shanghai Soft Clays in China from 1995â€“2018. <i>Practice Periodical on Structural Design and Construction</i> , 2022, 27, .	0.7	26
4	Closure to â€œCatastrophic Failure of Shanghai Metro Line 4 in July, 2003: Occurrence, Emergency Response, and Disaster Reliefâ€“by Yong Tan, Ye Lu, and Dalong Wang. <i>Journal of Performance of Constructed Facilities</i> , 2022, 36, .	1.0	2
5	Catastrophic Failure of Shanghai Metro Line 4 in July, 2003: Occurrence, Emergency Response, and Disaster Relief. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, .	1.0	38
6	Ground Subsidence Hazards due to Crushing and Removing Large Isolated Boulder by Tunneling. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, .	1.0	6
7	Heavy rainfall-related excavation failures in China during 1994 to 2018: An overview. <i>Engineering Failure Analysis</i> , 2021, 129, 105695.	1.8	21
8	Review of Cave-In Failures of Urban Roadways in China: A Database. <i>Journal of Performance of Constructed Facilities</i> , 2021, 35, .	1.0	20
9	Numerical Analyses of Erosion in Sand-Gravel Mixtures Caused by Buried Defective Pipeline under Intense Rainfall. , 2021, , .		0
10	Experimental investigation on the influences of rainfall patterns on instability of sandy slopes. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	6
11	Soil arching due to leaking of tunnel buried in water-rich sand. <i>Tunnelling and Underground Space Technology</i> , 2020, 95, 103158.	3.0	62
12	Algorithm for generation of 3D polyhedrons for simulation of rock particles by DEM and its application to tunneling in boulder-soil matrix. <i>Tunnelling and Underground Space Technology</i> , 2020, 106, 103588.	3.0	17
13	Experimental study on failure of temporary earthen slope triggered by intense rainfall. <i>Engineering Failure Analysis</i> , 2020, 116, 104718.	1.8	19
14	Forensic Geotechnical Analyses on the 2009 Building-Overturning Accident in Shanghai, China: Beyond Common Recognitions. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	29
15	Numerical Study on Ground Subsidence Due to Crushing Single Isolated Boulder by Tunnelling. <i>Springer Series in Geomechanics and Geoengineering</i> , 2020, , 889-896.	0.0	0
16	Practical Solutions for Concurrent Excavation of Neighboring Mega Basements Closely Surrounded by Utility Tunnels in Shanghai Hongqiao CBD. <i>Practice Periodical on Structural Design and Construction</i> , 2019, 24, 05019005.	0.7	14
17	Overview of Typical Excavation Failures in China. , 2019, , .		9
18	Is Basal Reinforcement Essential for Long and Narrow Subway Excavation Bottoming Out in Shanghai Soft Clay?. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	1.5	44

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19	Full-Scale Load Testing of 75â€“90-m-Long Post-Grouted Drilled Shafts in Suzhou Stiff Clay. Journal of Testing and Evaluation, 2019, 47, 20170442.	0.4	12
20	Responses of Shallowly Buried Pipelines to Adjacent Deep Excavations in Shanghai Soft Ground. Journal of Pipeline Systems Engineering and Practice, 2018, 9, .	0.9	45
21	Deep Excavation of the Gate of the Orient in Suzhou Stiff Clay: Composite Earth-Retaining Systems and Dewatering Plans. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	1.5	67
22	Investigation into performance of deep excavation in sand covered karst: A case report. Soils and Foundations, 2018, 58, 1042-1058.	1.3	49
23	Influence of Soil Plugging on Dynamic Responses of Open-Ended Driven Pipe Pile. , 2018, , 78-85.		0
24	Stability analyses on slopes of clay-rock mixtures using discrete element method. Engineering Geology, 2018, 244, 116-124.	2.9	49
25	Investigation on performance of a large circular pit-in-pit excavation in clay-gravel-cobble mixed strata. Tunnelling and Underground Space Technology, 2018, 79, 356-374.	3.0	51
26	Longitudinal Sliding Event during Excavation of Feng-Qi Station of Hangzhou Metro Line 1: Postfailure Investigation. Journal of Performance of Constructed Facilities, 2018, 32, .	1.0	60
27	Excavation of Middle Huai-Hai Road Station of Shanghai Metro Line 13: Challenges, Risks, Countermeasures, and Performance Assessment. Practice Periodical on Structural Design and Construction, 2017, 22, .	0.7	13
28	Characterization of semi-top-down excavation for subway station in Shanghai soft ground. Tunnelling and Underground Space Technology, 2017, 68, 244-261.	3.0	68
29	Forensic Diagnosis of a Leaking Accident during Excavation. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	106
30	Methodology for Simulation of Irregularly Shaped Gravel Grains and Its Application to DEM Modeling. Journal of Computing in Civil Engineering, 2017, 31, .	2.5	29
31	Why Excavation of a Small Air Shaft Caused Excessively Large Displacements: Forensic Investigation. Journal of Performance of Constructed Facilities, 2017, 31, .	1.0	50
32	Covered Semi-Top-Down Excavation of Subway Station Surrounded by Closely Spaced Buildings in Downtown Shanghai: Building Response. Journal of Performance of Constructed Facilities, 2016, 30, .	1.0	72
33	Closure to â€œComprehensive Load Test on Prestressed Concrete Piles in Alluvial Clays and Marl in Savannah, Georgiaâ€“by Yong Tan and Guoming Lin. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	3
34	Structural Behaviors of Large Underground Earth-Retaining Systems in Shanghai. I: Unpropped Circular Diaphragm Wall. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	49
35	Lessons Learned from Construction of Shanghai Metro Stations: Importance of Quick Excavation, Prompt Propping, Timely Casting, and Segmented Construction. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	70
36	Zoned Excavation of an Oversized Pit Close to an Existing Metro Line in Stiff Clay: Case Study. Journal of Performance of Constructed Facilities, 2015, 29, .	1.0	99

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37	Structural Behaviors of Large Underground Earth-Retaining Systems in Shanghai. II: Multipropped Rectangular Diaphragm Wall. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	1.0	40
38	Spatial Corner Effects of Long and Narrow Multipropped Deep Excavations in Shanghai Soft Clay. <i>Journal of Performance of Constructed Facilities</i> , 2014, 28, .	1.0	50
39	Comprehensive Load Test on Prestressed Concrete Piles in Alluvial Clays and Marl in Savannah, Georgia. <i>Journal of Performance of Constructed Facilities</i> , 2014, 28, 178-190.	1.0	5
40	Characterization of thick varved-clayey-silt deposits along the Delaware River by field and laboratory tests. <i>Environmental Earth Sciences</i> , 2013, 69, 1845-1860.	1.3	3
41	Characteristics of a Large-Scale Deep Foundation Pit Excavated by the Central-Island Technique in Shanghai Soft Clay. I: Bottom-Up Construction of the Central Cylindrical Shaft. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1875-1893.	1.5	159
42	Characteristics of a Large-Scale Deep Foundation Pit Excavated by the Central-Island Technique in Shanghai Soft Clay. II: Top-Down Construction of the Peripheral Rectangular Pit. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 1894-1910.	1.5	137
43	Parametric Study on the Effect of Deep Excavation on the Adjacent Metro Station in Suzhou. , 2013, , .		3
44	Full-Scale Testing of Open-Ended Steel Pipe Piles in Thick Varved Clayey Silt Deposits along the Delaware River in New Jersey. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 518-524.	1.5	14
45	Performance of an Overexcavated Metro Station and Facilities Nearby. <i>Journal of Performance of Constructed Facilities</i> , 2012, 26, 241-254.	1.0	63
46	Vibration Effects Attributable to Driving of PHC Pipe Piles. <i>Journal of Performance of Constructed Facilities</i> , 2012, 26, 679-690.	1.0	19
47	Isolation of DDC Impact to Sheet Pile Walls by Open Trenches. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 110-114.	1.5	3
48	FE Simulation of Deep Excavations in Sensitive Soft Clays. , 2012, , .		3
49	Observed Behaviors of a Long and Deep Excavation Constructed by Cut-and-Cover Technique in Shanghai Soft Clay. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2012, 138, 69-88.	1.5	172
50	Examination of loose saturated sands impacted by a heavy tamper. <i>Environmental Earth Sciences</i> , 2012, 66, 1557-1567.	1.3	4
51	Measured performance of a 26m deep top-down excavation in downtown Shanghai. <i>Canadian Geotechnical Journal</i> , 2011, 48, 704-719.	1.4	148
52	Field Measurements and Finite-Element Method Simulation of a Tunnel Shaft Constructed by Pneumatic Caisson Method in Shanghai Soft Ground. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 516-524.	1.5	74
53	Mitigation of Building Responses to DDC Impacts by Soft and Stiff Wave Barriers. <i>JVC/Journal of Vibration and Control</i> , 2011, 17, 259-277.	1.5	8
54	FEM simulation of viscous properties for granular materials considering the loading rate effect. <i>Granular Matter</i> , 2010, 12, 555-568.	1.1	9

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55	Effects of loading rate on viscoplastic properties of polymer geosynthetics and its constitutive modeling. <i>Polymer Engineering and Science</i> , 2010, 50, 550-560.	1.5	6
56	Semiempirical Approach for Estimation of DDC-Induced Deflections of Sheet Pile Walls in Peat. <i>Journal of Performance of Constructed Facilities</i> , 2010, 24, 87-95.	1.0	5
57	Parametric studies of DDC-induced deflections of sheet pile walls in soft soils. <i>Computers and Geotechnics</i> , 2009, 36, 902-910.	2.3	17
58	Performance of Sheet Pile Wall in Peat. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 445-458.	1.5	37
59	Finite element analysis of highway construction in peat bog. <i>Canadian Geotechnical Journal</i> , 2008, 45, 147-160.	1.4	15
60	Compaction-Induced Earth Pressures against a Sheet Pile Wall in Peat. <i>Transportation Research Record</i> , 2008, 2045, 29-38.	1.0	2
61	Top-down Excavation of a Metro Station in Soft Clay. <i>Advanced Materials Research</i> , 0, 368-373, 2866-2869.	0.3	0