

Yong Tan

List of Publications by Year in descending order

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61
papers

2,226
citations

201385

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223531

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62
docs citations

62
times ranked

608
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Measured performance of a 26m deep top-down excavation in downtown Shanghai. <i>Canadian Geotechnical Journal</i> , 2011, 48, 704-719.	1.4	148
4	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
5	Forensic Diagnosis of a Leaking Accident during Excavation. <i>Journal of Performance of Constructed Facilities</i> , 2017, 31, .	1.0	106
6	Zoned Excavation of an Oversized Pit Close to an Existing Metro Line in Stiff Clay: Case Study. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	1.0	99
7	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
8	Covered Semi-Top-Down Excavation of Subway Station Surrounded by Closely Spaced Buildings in Downtown Shanghai: Building Response. <i>Journal of Performance of Constructed Facilities</i> , 2016, 30, .	1.0	72
9	Lessons Learned from Construction of Shanghai Metro Stations: Importance of Quick Excavation, Prompt Propping, Timely Casting, and Segmented Construction. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	1.0	70
10	Characterization of semi-top-down excavation for subway station in Shanghai soft ground. <i>Tunnelling and Underground Space Technology</i> , 2017, 68, 244-261.	3.0	68
11	Deep Excavation of the Gate of the Orient in Suzhou Stiff Clay: Composite Earth-Retaining Systems and Dewatering Plans. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2018, 144, .	1.5	67
12	Performance of an Overexcavated Metro Station and Facilities Nearby. <i>Journal of Performance of Constructed Facilities</i> , 2012, 26, 241-254.	1.0	63
13	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
14	Longitudinal Sliding Event during Excavation of Feng-Qi Station of Hangzhou Metro Line 1: Postfailure Investigation. <i>Journal of Performance of Constructed Facilities</i> , 2018, 32, .	1.0	60
15	Investigation on performance of a large circular pit-in-pit excavation in clay-gravel-cobble mixed strata. <i>Tunnelling and Underground Space Technology</i> , 2018, 79, 356-374.	3.0	51
16	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
17	Why Excavation of a Small Air Shaft Caused Excessively Large Displacements: Forensic Investigation. <i>Journal of Performance of Constructed Facilities</i> , 2017, 31, .	1.0	50
18	Structural Behaviors of Large Underground Earth-Retaining Systems in Shanghai. I: Unpropped Circular Diaphragm Wall. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	1.0	49

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19	Investigation into performance of deep excavation in sand covered karst: A case report. <i>Soils and Foundations</i> , 2018, 58, 1042-1058.	1.3	49
20	Stability analyses on slopes of clay-rock mixtures using discrete element method. <i>Engineering Geology</i> , 2018, 244, 116-124.	2.9	49
21	Responses of Shallowly Buried Pipelines to Adjacent Deep Excavations in Shanghai Soft Ground. <i>Journal of Pipeline Systems Engineering and Practice</i> , 2018, 9, .	0.9	45
22	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
23	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
24	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
25	Performance of Sheet Pile Wall in Peat. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2008, 134, 445-458.	1.5	37
26	Methodology for Simulation of Irregularly Shaped Gravel Grains and Its Application to DEM Modeling. <i>Journal of Computing in Civil Engineering</i> , 2017, 31, .	2.5	29
27	Forensic Geotechnical Analyses on the 2009 Building-Overtopping Accident in Shanghai, China: Beyond Common Recognitions. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	29
28	Statistical Analyses on a Database of Deep Excavations in Shanghai Soft Clays in China from 1995 to 2018. <i>Practice Periodical on Structural Design and Construction</i> , 2022, 27, .	0.7	26
29	Overview on failures of urban underground infrastructures in complex geological conditions due to heavy rainfall in China during 1994 to 2018. <i>Sustainable Cities and Society</i> , 2022, 76, 103509.	5.1	23
30	Heavy rainfall-related excavation failures in China during 1994 to 2018: An overview. <i>Engineering Failure Analysis</i> , 2021, 129, 105695.	1.8	21
31	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
32	Vibration Effects Attributable to Driving of PHC Pipe Piles. <i>Journal of Performance of Constructed Facilities</i> , 2012, 26, 679-690.	1.0	19
33	Experimental study on failure of temporary earthen slope triggered by intense rainfall. <i>Engineering Failure Analysis</i> , 2020, 116, 104718.	1.8	19
34	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
35	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
36	Finite element analysis of highway construction in peat bog. <i>Canadian Geotechnical Journal</i> , 2008, 45, 147-160.	1.4	15

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37	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
38	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
39	Excavation of Middle Huai-Hai Road Station of Shanghai Metro Line 13: Challenges, Risks, Countermeasures, and Performance Assessment. <i>Practice Periodical on Structural Design and Construction</i> , 2017, 22, .	0.7	13
40	Full-Scale Load Testing of 75-90-m-Long Post-Grouted Drilled Shafts in Suzhou Stiff Clay. <i>Journal of Testing and Evaluation</i> , 2019, 47, 20170442.	0.4	12
41	FEM simulation of viscous properties for granular materials considering the loading rate effect. <i>Granular Matter</i> , 2010, 12, 555-568.	1.1	9
42	Overview of Typical Excavation Failures in China. , 2019, , .		9
43	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
44	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
45	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
46	Experimental investigation on the influences of rainfall patterns on instability of sandy slopes. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	1.3	6
47	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
48	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
49	Examination of loose saturated sands impacted by a heavy tamper. <i>Environmental Earth Sciences</i> , 2012, 66, 1557-1567.	1.3	4
50	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
51	FE Simulation of Deep Excavations in Sensitive Soft Clays. , 2012, , .		3
52	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
53	Parametric Study on the Effect of Deep Excavation on the Adjacent Metro Station in Suzhou. , 2013, , .		3
54	Closure to Comprehensive Load Test on Prestressed Concrete Piles in Alluvial Clays and Marl in Savannah, Georgia by Yong Tan and Guoming Lin. <i>Journal of Performance of Constructed Facilities</i> , 2015, 29, .	1.0	3

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55	Compaction-Induced Earth Pressures against a Sheet Pile Wall in Peat. Transportation Research Record, 2008, 2045, 29-38.	1.0	2
56	Influence of water pressure on deep subsea tunnel buried within sandy seabed. Marine Georesources and Geotechnology, 2022, 40, 967-982.	1.2	2
57	Closure to "Catastrophic Failure of Shanghai Metro Line 4 in July, 2003: Occurrence, Emergency Response, and Disaster Relief" by Yong Tan, Ye Lu, and Dalong Wang. Journal of Performance of Constructed Facilities, 2022, 36, .	1.0	2
58	Top-down Excavation of a Metro Station in Soft Clay. Advanced Materials Research, 0, 368-373, 2866-2869.	0.3	0
59	Influence of Soil Plugging on Dynamic Responses of Open-Ended Driven Pipe Pile. , 2018, , 78-85.		0
60	Numerical Study on Ground Subsidence Due to Crushing Single Isolated Boulder by Tunnelling. Springer Series in Geomechanics and Geoengineering, 2020, , 889-896.	0.0	0
61	Numerical Analyses of Erosion in Sand-Gravel Mixtures Caused by Buried Defective Pipeline under Intense Rainfall. , 2021, , .		0