

# Yutao Pan

## List of Publications by Year in descending order

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Version: 2024-02-01

34  
papers

461  
citations

759190

12  
h-index

752679

20  
g-index

34  
all docs

34  
docs citations

34  
times ranked

289  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of spatial variability on short- and long-term behaviour of axially-loaded cement-admixed marine clay column. <i>Computers and Geotechnics</i> , 2018, 94, 150-168.	4.7	52
2	Measurement and prediction of tunnelling-induced ground settlement in karst region by using expanding deep learning method. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 183, 109700.	5.0	51
3	Strength evaluation of marine clay stabilized by cementitious binder. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 730-743.	2.1	41
4	Model-independent strength-reduction factor for effect of spatial variability on tunnel with improved soil surrounds. <i>Geotechnique</i> , 2021, 71, 406-422.	4.0	29
5	Effect of spatial variability on performance of cement-treated soil slab during deep excavation. <i>Construction and Building Materials</i> , 2018, 188, 505-519.	7.2	28
6	Probabilistic investigations on the watertightness of jet-grouted ground considering geometric imperfections in diameter and position. <i>Canadian Geotechnical Journal</i> , 2017, 54, 1447-1459.	2.8	26
7	Analytical prediction of time-dependent behavior for tunneling-induced ground movements and stresses subjected to surcharge loading based on rheological mechanics. <i>Computers and Geotechnics</i> , 2021, 129, 103858.	4.7	21
8	Lateral compression response of overlapping jet-grout columns with geometric imperfections in radius and position. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1282-1294.	2.8	18
9	Statistical Evaluation of the Load-Settlement Response of a Multicolumn Composite Foundation. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	17
10	Analysis of cement-treated soil slab for deep excavation support – a rational approach. <i>Geotechnique</i> , 2019, 69, 888-905.	4.0	16
11	A three-dimensional algorithm for estimating water-tightness of cement-treated ground with geometric imperfections. <i>Computers and Geotechnics</i> , 2019, 115, 103176.	4.7	14
12	Analysis of tunnelling through spatially-variable improved surrounding – A simplified approach. <i>Tunnelling and Underground Space Technology</i> , 2019, 93, 103102.	6.2	14
13	Effect of random geometric imperfections on the water-tightness of diaphragm wall. <i>Journal of Hydrology</i> , 2020, 580, 124252.	5.4	13
14	Experimental study for joint leakage process of tunnel lining and particle flow numerical simulation. <i>Engineering Failure Analysis</i> , 2022, 138, 106348.	4.0	13
15	Site Measurement and Study of Vertical Freezing Wall Temperatures of a Large-Diameter Shield Tunnel. <i>Advances in Civil Engineering</i> , 2019, 2019, 1-11.	0.7	12
16	Scale effects during cone penetration in spatially variable clays. <i>Geotechnique</i> , 2022, 72, 78-90.	4.0	12
17	Equivalent Strength for Tunnels in Cement-Admixed Soil Columns with Spatial Variability and Positioning Error. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	3.0	10
18	Effect of freeze-thaw cycles on strength and ductility and microstructure of cement-treated silt with polypropylene fiber. <i>Acta Geotechnica</i> , 2021, 16, 3555-3572.	5.7	10

#	ARTICLE	IF	CITATIONS
19	Stress-drop effect on brittleness evaluation of rock materials. <i>Journal of Central South University</i> , 2019, 26, 1807-1819.	3.0	9
20	Characteristic strength of soils underlying foundations considering effect of spatial variability. <i>Canadian Geotechnical Journal</i> , 2020, 57, 518-536.	2.8	7
21	Effect of short fibre reinforcement on the yielding behaviour of cement-admixed clay. <i>Soils and Foundations</i> , 2020, 60, 439-453.	3.1	7
22	Mathematical modelling for ground consolidation settlements induced by lining leakage of shield tunnel under train loading in viscoelastic porous soils. <i>Applied Mathematical Modelling</i> , 2021, 98, 537-562.	4.2	7
23	Time-dependent analyses for ground movement and stress field induced by tunnelling considering rainfall infiltration mechanics. <i>Tunnelling and Underground Space Technology</i> , 2022, 122, 104378.	6.2	6
24	Application of a Bentonite Slurry Modified by Polyvinyl Alcohol in the Cutoff of a Landfill. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-9.	0.7	5
25	Measure for Reducing the Tensile Stress in Cement-Treated Soil Layer in Deep Excavation in Soft Clay. <i>KSCSE Journal of Civil Engineering</i> , 2019, 23, 3924-3934.	1.9	4
26	Modal analysis of Rayleigh waves using classical MASW-MAM approach: Site investigation in a reclaimed land. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 128, 105902.	3.8	4
27	An efficient transient state algorithm for evaluation of leakage through defective cutoff walls. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2021, 45, 108-131.	3.3	3
28	Vacuum Preloading Incorporated with Electroosmosis Strengthening of Soft Clay-an Optimized Approach. <i>Soil Mechanics and Foundation Engineering</i> , 2021, 58, 237-243.	0.7	3
29	Effect of spatial variability on undrained triaxial test of cement-admixed soil. <i>Japanese Geotechnical Society Special Publication</i> , 2016, 2, 2101-2106.	0.2	2
30	Distribution for hydraulic head on tunnel structures in water-rich mountainous region considering influences of fault geology using virtual image technique. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	2
31	An approach for modelling spatial variability in permeability of cement-admixed soil. <i>Acta Geotechnica</i> , 2021, 16, 4007-4026.	5.7	2
32	Experimental Research on the Mechanical Properties of Recycled Aggregate Particle Gradation and Addition on Modified Cement Soil. <i>Crystals</i> , 2022, 12, 428.	2.2	2
33	Effects of long-term leakage of shield lining on tunnelling-induced ground consolidation movements. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 8018-8048.	2.1	1
34	The fusion of physical mechanism and artificial intelligence – A case study of water-tightness estimation for geometrically imperfect cut-off walls. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021, 861, 072054.	0.3	0