

Tao Xu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/937321/publications.pdf>

Version: 2024-02-01

11
papers

205
citations

1307543

7
h-index

1281846

11
g-index

12
all docs

12
docs citations

12
times ranked

112
citing authors

#	ARTICLE	IF	CITATIONS
1	Analytical methods in predicting excess pore water pressure in front of slurry shield in saturated sandy ground. <i>Tunnelling and Underground Space Technology</i> , 2018, 73, 203-211.	6.2	47
2	Bentonite slurry infiltration into sand: filter cake formation under various conditions. <i>Geotechnique</i> , 2019, 69, 1095-1106.	4.0	39
3	Impact of multiple drying-wetting cycles on shear behaviour of an unsaturated compacted clay. <i>Environmental Earth Sciences</i> , 2018, 77, 1.	2.7	36
4	Experimental study on the mechanisms of bentonite slurry penetration in front of a slurry TBM. <i>Tunnelling and Underground Space Technology</i> , 2019, 93, 103052.	6.2	30
5	Three-dimensional tunnel face stability considering slurry pressure transfer mechanisms. <i>Tunnelling and Underground Space Technology</i> , 2022, 125, 104524.	6.2	15
6	Pressure infiltration characteristics of foam for EPB shield tunnelling in saturated sand – part 1: –clean™ foam. <i>Geotechnique</i> , 2022, 72, 283-294.	4.0	11
7	Predicting Pore-Water Pressure in Front of a TBM Using a Deep Learning Approach. <i>International Journal of Geomechanics</i> , 2021, 21, 04021140.	2.7	10
8	Pressure infiltration characteristics of foam for EPB shield tunnelling in saturated sand – part 2: soil-foam mixture. <i>Geotechnique</i> , 2022, 72, 295-308.	4.0	8
9	Effects of net normal stress on hydro-mechanical behaviour of a kaolinite clay soil under different suction paths. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	4
10	Analytical solutions for excess pore water pressures generated by TBM tunnelling in a semi-confined aquifer. <i>Tunnelling and Underground Space Technology</i> , 2021, 118, 104162.	6.2	4
11	Pressure Infiltration Characteristics of Foam for EPB Shield Tunnelling. <i>Lecture Notes in Civil Engineering</i> , 2020, , 235-239.	0.4	0