

Zonghao Yuan

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

278
citations

1307594

7
h-index

940533

16
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27
all docs

27
docs citations

27
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Benchmark solution for vibrations from a moving point source in a tunnel embedded in a half-space. <i>Journal of Sound and Vibration</i> , 2017, 387, 177-193.	3.9	56
2	Dynamic response of a tunnel buried in a saturated poroelastic soil layer to a moving point load. <i>Soil Dynamics and Earthquake Engineering</i> , 2015, 77, 348-359.	3.8	34
3	Analytical solution for calculating vibrations from twin circular tunnels. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 117, 312-327.	3.8	28
4	An analytical model for vibration prediction of a tunnel embedded in a saturated full-space to a harmonic point load. <i>Soil Dynamics and Earthquake Engineering</i> , 2016, 86, 25-40.	3.8	25
5	Closed-Form Analytical Solution for Vibrations from a Tunnel Embedded in a Saturated Poroelastic Half-Space. <i>Journal of Engineering Mechanics - ASCE</i> , 2017, 143, .	2.9	25
6	The influence of pore-fluid in the soil on ground vibrations from a tunnel embedded in a layered half-space. <i>Journal of Sound and Vibration</i> , 2018, 419, 227-248.	3.9	23
7	The wave function method for calculation of vibrations from a twin tunnel in a multi-layered half-space. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105716.	3.8	14
8	Numerical investigations on influences of tunnel differential settlement on saturated poroelastic ground vibrations and lining forces induced by metro train. <i>Soil Dynamics and Earthquake Engineering</i> , 2022, 156, 107202.	3.8	8
9	Analytical wave function method for modelling a twin tunnel embedded in a saturated poroelastic full-space. <i>Computers and Geotechnics</i> , 2019, 114, 103114.	4.7	7
10	Solution of the ultimate bearing capacity at the tip of a pile in inclined rocks based on the Hoek-Brown criterion. <i>International Journal of Rock Mechanics and Minings Sciences</i> , 2020, 125, 104140.	5.8	7
11	Numerical study on movements of soil particles forming clogging layer during vacuum preloading of dredged slurry. <i>Granular Matter</i> , 2021, 23, 1.	2.2	7
12	Long-term cyclic behavior of soft clay under different variable confining pressures and partially drained conditions. <i>Transportation Geotechnics</i> , 2022, 33, 100723.	4.5	7
13	An analytical solution to investigate the dynamic impact of a moving surface load on a shallowly-buried tunnel. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 126, 105816.	3.8	6
14	Nonstationary vibration responses of a three-dimensional tunnel-soil system excited by moving stochastic loads. <i>Computers and Geotechnics</i> , 2020, 125, 103658.	4.7	6
15	Analytical layer element with a circular cavity and its application in predicting ground vibrations from surface and underground moving sources. <i>Computers and Geotechnics</i> , 2021, 137, 104262.	4.7	6
16	A new approach for determining compressibility and permeability characteristics of dredged slurries with high water content. <i>Canadian Geotechnical Journal</i> , 2022, 59, 965-977.	2.8	4
17	The influence of a neighboring tunnel on the critical velocity of a three-dimensional tunnel-soil system. <i>International Journal of Solids and Structures</i> , 2021, 212, 23-45.	2.7	3
18	An analytical model for calculating vibrations from twin tunnels in a saturated poroelastic half-space. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 120, 23-27.	3.8	2

#	ARTICLE	IF	CITATIONS
19	Hybrid analytical-numerical modelling of ground vibrations from moving loads in a tunnel embedded in the saturated soil. <i>European Journal of Environmental and Civil Engineering</i> , 0, , 1-29.	2.1	2
20	Cyclic Behavior of Saturated Clays in Plane Strain State. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2022, 148, .	3.0	2
21	Analytical modeling for the calculation of underground train-induced vibrations in inhomogeneous soils with uncertainty. <i>AIP Advances</i> , 2021, 11, 115321.	1.3	2
22	Benchmark solutions for vibrations from a moving source in a tunnel in a half-space. , 2019, , 261-281.		1
23	An Improved Tunnel-Track Model in Saturated Poroelastic Soils to a Moving Point Load. <i>Advances in Civil Engineering</i> , 2021, 2021, 1-9.	0.7	1
24	Effect of Reinforced Bucket on Bearing Capacity and Natural Frequency of Offshore Wind Turbines Using Pileâ€“Bucket Foundation. <i>Advances in Civil Engineering</i> , 2022, 2022, 1-17.	0.7	1
25	Common characteristics between cyclic behaviour at different frequencies and monotonic behaviours of clay. <i>Canadian Geotechnical Journal</i> , 0, , .	2.8	0
26	A Numerical Analysis on Lateral Resistance of Pileâ€“Bucket Foundation for Offshore Wind Turbines. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 4734.	2.5	0