

# Rongzhu Liang

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

849  
citations

567281

15  
h-index

752698

20  
g-index

20  
all docs

20  
docs citations

20  
times ranked

392  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simplified analytical method for evaluating the effects of adjacent excavation on shield tunnel considering the shearing effect. <i>Computers and Geotechnics</i> , 2017, 81, 167-187.	4.7	142
2	Simplified method for evaluating shield tunnel deformation due to adjacent excavation. <i>Tunnelling and Underground Space Technology</i> , 2018, 71, 94-105.	6.2	127
3	Effects of above-crossing tunnelling on the existing shield tunnels. <i>Tunnelling and Underground Space Technology</i> , 2016, 58, 159-176.	6.2	110
4	New method to calculate apparent phase velocity of open-ended pipe pile. <i>Canadian Geotechnical Journal</i> , 2020, 57, 127-138.	2.8	70
5	DEM analysis of the sand plug behavior during the installation process of open-ended pile. <i>Computers and Geotechnics</i> , 2019, 109, 23-33.	4.7	49
6	Influence of soil plug effect on the vertical dynamic response of large diameter pipe piles. <i>Ocean Engineering</i> , 2018, 157, 13-25.	4.3	42
7	Simplified analytical method for evaluating the effects of overcrossing tunnelling on existing shield tunnels using the nonlinear Pasternak foundation model. <i>Soils and Foundations</i> , 2019, 59, 1711-1727.	3.1	36
8	Torsional complex impedance of pipe pile considering pile installation and soil plug effect. <i>Soil Dynamics and Earthquake Engineering</i> , 2020, 131, 106010.	3.8	35
9	Benefits from using two receivers for interpretation of low-strain integrity tests on pipe piles. <i>Canadian Geotechnical Journal</i> , 2019, 56, 1433-1447.	2.8	33
10	One-dimensional consolidation of soil under multistage load based on continuous drainage boundary. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2020, 44, 1170-1183.	3.3	31
11	Performances of adjacent metro structures due to zoned excavation of a large-scale basement in soft ground. <i>Tunnelling and Underground Space Technology</i> , 2021, 117, 104123.	6.2	30
12	Influence of soil plug effect on the torsional dynamic response of a pipe pile. <i>Journal of Sound and Vibration</i> , 2017, 410, 231-248.	3.9	25
13	Responses of in-service shield tunnel to overcrossing tunnelling in soft ground. <i>Environmental Earth Sciences</i> , 2021, 80, 1.	2.7	23
14	Influence of soil mass on the vertical dynamic characteristics of pipe piles. <i>Computers and Geotechnics</i> , 2020, 126, 103730.	4.7	19
15	Detection sensitivity analysis of pipe pile defects during low-strain integrity testing. <i>Ocean Engineering</i> , 2019, 194, 106627.	4.3	18
16	Flexural performances of prestressed high strength concrete piles reinforced with hybrid GFRP and steel bars. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 518-526.	2.1	15
17	Analytical solution for one-dimensional consolidation of double-layered soil with exponentially time-growing drainage boundary. <i>International Journal of Distributed Sensor Networks</i> , 2018, 14, 155014771880671.	2.2	14
18	Characterization of a jointed rock mass based on fractal geometry theory. <i>Bulletin of Engineering Geology and the Environment</i> , 2019, 78, 6101-6110.	3.5	14

#	ARTICLE	IF	CITATIONS
19	One-dimensional nonlinear consolidation analysis of soil with continuous drainage boundary. Journal of Central South University, 2022, 29, 270-281.	3.0	13
20	An Emerging Method Using Electromagnetic Wave Computed Tomography for the Detection of Karst Caves. Geotechnical and Geological Engineering, 2020, 38, 2713-2723.	1.7	3