

# Fengwen Lai

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6723777/publications.pdf>

Version: 2024-02-01

10  
papers

197  
citations

1163117

8  
h-index

1372567

10  
g-index

10  
all docs

10  
docs citations

10  
times ranked

44  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards an improved analytical framework to estimate active earth pressure in narrow c- $\phi$ soils behind rotating walls about the base. <i>Computers and Geotechnics</i> , 2022, 141, 104544.	4.7	35
2	Ground movements induced by installation of twin large diameter deeply-buried caissons: 3D numerical modeling. <i>Acta Geotechnica</i> , 2021, 16, 2933-2961.	5.7	34
3	A modified equal-strain solution for consolidation behavior of composite foundation reinforced by precast concrete piles improved with cement-treated soil. <i>Computers and Geotechnics</i> , 2022, 150, 104905.	4.7	25
4	Numerical investigations of the installation process of giant deep-buried circular open caissons in undrained clay. <i>Computers and Geotechnics</i> , 2020, 118, 103322.	4.7	24
5	Bearing Capacity Characteristics and Failure Modes of Low Geosynthetic-Reinforced Embankments Overlying Voids. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	21
6	New analytical solutions for shallow cohesive soils overlying trench voids under various slip surfaces. <i>Transportation Geotechnics</i> , 2020, 25, 100411.	4.5	19
7	Base Instability Triggered by Hydraulic Uplift of Pit-in-Pit Braced Excavations in Soft Clay Overlying a Confined Aquifer. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 1717-1730.	1.9	16
8	Earth pressure in narrow cohesive-fictional soils behind retaining walls rotated about the top: An analytical approach. <i>Computers and Geotechnics</i> , 2022, 149, 104849.	4.7	14
9	A new installation technology of large diameter deeply-buried caissons: Practical application and observed performance. <i>Tunnelling and Underground Space Technology</i> , 2022, 125, 104507.	6.2	8
10	Numerical Investigation of Ground Settlements Induced by Installation of Large Diameter Deeply-Buried Caissons in Undrained Clays. <i>Soil Mechanics and Foundation Engineering</i> , 2022, 58, 511.	0.7	1