

# Chiu Henry

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

626  
citations

567281

15  
h-index

610901

24  
g-index

30  
all docs

30  
docs citations

30  
times ranked

353  
citing authors

#	ARTICLE	IF	CITATIONS
1	Statistical Damage Constitutive Model for Rocks Considering Residual Strength. International Journal of Geomechanics, 2017, 17, .	2.7	58
2	Damage constitutive model for strain-softening rock based on normal distribution and its parameter determination. Central South University, 2007, 14, 719-724.	0.5	52
3	Settlement Calculation of Composite Foundation Reinforced with Stone Columns. International Journal of Geomechanics, 2013, 13, 248-256.	2.7	45
4	Stability of dual circular tunnels in a rock mass subjected to surcharge loading. Computers and Geotechnics, 2019, 108, 257-268.	4.7	45
5	Finite Element Limit Analysis of the Bearing Capacity of Strip Footing on a Rock Mass with Voids. International Journal of Geomechanics, 2018, 18, .	2.7	43
6	Stability of dual square tunnels in rock masses subjected to surcharge loading. Tunnelling and Underground Space Technology, 2019, 92, 103037.	6.2	37
7	Analysis of laterally loaded piles in sloping ground using a modified strain wedge model. Computers and Geotechnics, 2019, 107, 163-175.	4.7	32
8	Undrained stability of strip footing above voids in two-layered clays by finite element limit analysis. Computers and Geotechnics, 2018, 97, 124-133.	4.7	30
9	Undrained Bearing Capacity of Strip Footings Placed Adjacent to Two-Layered Slopes. International Journal of Geomechanics, 2019, 19, .	2.7	30
10	Undrained seismic bearing capacity of strip footings lying on two-layered slopes. Computers and Geotechnics, 2020, 122, 103539.	4.7	28
11	Stability of two circular tunnels at different depths in cohesive-frictional soils subjected to surcharge loading. Computers and Geotechnics, 2019, 112, 23-34.	4.7	26
12	Statistical meso-damage model for quasi-brittle rocks to account for damage tolerance principle. Environmental Earth Sciences, 2016, 75, 1.	2.7	25
13	Performance of Geosynthetic-Reinforced and Pile-Supported Embankment with Consideration of Soil Arching. Journal of Engineering Mechanics - ASCE, 2018, 144, .	2.9	23
14	Effect of Eccentric Load on the Undrained Bearing Capacity of Strip Footings above Voids. International Journal of Geomechanics, 2020, 20, .	2.7	23
15	Stochastic analysis of dual tunnels in spatially random soil. Computers and Geotechnics, 2021, 129, 103861.	4.7	22
16	A two-pile foundation model in sloping ground by finite beam element method. Computers and Geotechnics, 2020, 122, 103503.	4.7	15
17	A Limit Solution for Predicting Side Resistance on Rock-Socketed Piles. Journal of Engineering Mechanics - ASCE, 2022, 148, .	2.9	11
18	Seismic Stability of the Slope Containing a Laterally Loaded Pile by Finite-Element Limit Analysis. International Journal of Geomechanics, 2022, 22, .	2.7	11

#	ARTICLE	IF	CITATIONS
19	Numerical study on bearing capacity of ring foundations for storage tanks on a rock mass. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	10
20	Behaviors of a Laterally Loaded Pile Located in a Mountainside. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	9
21	Effect of volume changes on complete deformation behavior of rocks. <i>Central South University</i> , 2010, 17, 394-399.	0.5	8
22	Ultimate bearing capacity of strip footings lying on Hoekâ€“Brown slopes subjected to eccentric load. <i>Acta Geotechnica</i> , 2023, 18, 1111-1124.	5.7	8
23	Vertical Load Transfer for Bored Piles Buried in Cohesive Intermediate Geomaterials. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	7
24	Undrained seismic bearing capacity of strip footings horizontally embedded in two-layered slopes. <i>Earthquake Spectra</i> , 2021, 37, 637-651.	3.1	7
25	A Three-Dimensional Discrete Element Modeling to Cyclic Response of Geosynthetic-Encased Stone Column. <i>International Journal of Geosynthetics and Ground Engineering</i> , 2021, 7, 1.	2.0	5
26	Laboratory and theoretical study for concreteâ€“mudstone interface shear to account for asperity degradation. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	2.7	5
27	A phenomenological modelling of rocks based on the influence of damage initiation. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	4
28	Kinematic limit analysis of the slope encapsulating a laterally loaded pile. <i>Bulletin of Engineering Geology and the Environment</i> , 2022, 81, 1.	3.5	3
29	Performances of geo-reinforced and stone column-supported embankment by a mounting-beams model. <i>Computers and Geotechnics</i> , 2020, 118, 103360.	4.7	2
30	Prediction of permeability for fully weathered granite amended with fly ash by fractal dimensions. <i>Journal of Sustainable Cement-Based Materials</i> , 0, , 1-12.	3.1	2