

# Laddu Bhagya Jayasinghe

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

440  
citations

840119

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887659

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17  
docs citations

17  
times ranked

357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Shock Environment Assessment of Underground Arch-Wall Structures Subjected to Ground Shock. Journal of Engineering Mechanics - ASCE, 2022, 148, .	1.6	2
2	Investigation of Mycelium-Miscanthus composites as building insulation material. Results in Materials, 2021, 10, 100189.	0.9	39
3	Machine learning in mix design of Miscanthus lightweight concrete. Construction and Building Materials, 2021, 302, 124191.	3.2	9
4	Nonlinear three-dimensional anisotropic material model for failure analysis of timber. Engineering Failure Analysis, 2021, 130, 105764.	1.8	15
5	Accurate measurement of ground shock with cellular solid. International Journal of Impact Engineering, 2020, 145, 103675.	2.4	1
6	BIM-Based End-of-Lifecycle Decision Making and Digital Deconstruction: Literature Review. Sustainability, 2020, 12, 2670.	1.6	70
7	Recyclable Architecture: Prefabricated and Recyclable Typologies. Sustainability, 2020, 12, 1342.	1.6	16
8	Development of a BIM-Based Web Tool as a Material and Component Bank for a Sustainable Construction Industry. Sustainability, 2020, 12, 1766.	1.6	40
9	Impact of Pile Punching on Adjacent Piles: Insights from a 3D Coupled SPH-FEM Analysis. Applied Mechanics, 2020, 1, 47-58.	0.7	6
10	Three-dimensional DEM investigation of the fracture behaviour of thermally degraded rocks with consideration of material anisotropy. Theoretical and Applied Fracture Mechanics, 2019, 104, 102330.	2.1	26
11	Numerical investigation into the blasting-induced damage characteristics of rocks considering the role of in-situ stresses and discontinuity persistence. Computers and Geotechnics, 2019, 116, 103207.	2.3	68
12	A field study on pile response to blast-induced ground motion. Soil Dynamics and Earthquake Engineering, 2018, 114, 568-575.	1.9	13
13	Pile response subjected to rock blasting induced ground vibration near soil-rock interface. Computers and Geotechnics, 2017, 82, 1-15.	2.3	37
14	Blast response of reinforced concrete pile using fully coupled computer simulation techniques. Computers and Structures, 2014, 135, 40-49.	2.4	10
15	Blast response and failure analysis of pile foundations subjected to surface explosion. Engineering Failure Analysis, 2014, 39, 41-54.	1.8	33
16	Effect of Soil Properties on the Response of Pile to Underground Explosion. Structural Engineering International: Journal of the International Association for Bridge and Structural Engineering (IABSE), 2014, 24, 361-370.	0.5	1
17	Computer simulation of underground blast response of pile in saturated soil. Computers and Structures, 2013, 120, 86-95.	2.4	54