

Hoang-Giang Bui

List of Publications by Year in descending order

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7
papers

77
citations

1683934
5
h-index

1719901
7
g-index

7
all docs

7
docs citations

7
times ranked

49
citing authors

#	ARTICLE	IF	CITATIONS
1	Computationally Efficient Simulation in Urban Mechanized Tunneling Based on Multilevel BIM Models. <i>Journal of Computing in Civil Engineering</i> , 2019, 33, .	2.5	29
2	From digital models to numerical analysis for mechanised tunnelling: A fully automated design-through-analysis workflow. <i>Tunnelling and Underground Space Technology</i> , 2021, 107, 103622.	3.0	18
3	Efficient cut-cell quadrature based on moment fitting for materially nonlinear analysis. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 366, 113050.	3.4	12
4	A parallelization strategy for hydro-mechanically coupled mechanized tunneling simulations. <i>Computers and Geotechnics</i> , 2020, 120, 103378.	2.3	9
5	A CutFEM based framework for numerical simulations of machine driven tunnels with arbitrary alignments. <i>Computers and Geotechnics</i> , 2022, 144, 104637.	2.3	6
6	A variationally consistent hyperstatic reaction method for tunnel lining design. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2022, 46, 205-217.	1.7	2
7	Application of the Finite Cell Method to Tunnel Engineering Simulation. <i>Proceedings in Applied Mathematics and Mechanics</i> , 2018, 18, e201800011.	0.2	1