

# Hoang-Giang Bui

## List of Publications by Year in descending order

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