

Angel YagÃ¼e Hernan

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

193
citations

1163117

8
h-index

1125743

13
g-index

16
all docs

16
docs citations

16
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	A two-phase SPH model for debris flow propagation. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 418-448.	3.3	61
2	Comparison of two depth-averaged numerical models for debris flow runout estimation. Canadian Geotechnical Journal, 2019, 56, 89-101.	2.8	24
3	A depth integrated, coupled, two-phase model for debris flow propagation. Acta Geotechnica, 2021, 16, 2409-2433.	5.7	20
4	Modelling of Fluidised Geomaterials: The Case of the Aberfan and the Gypsum Tailings Impoundment Flowslides. Materials, 2017, 10, 562.	2.9	14
5	A depth average SPH model including $\frac{1}{4}$ rheology and crushing for rock avalanches. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 833-857.	3.3	14
6	A depth-integrated SPH model for debris floods: application to Lo Wai (Hong Kong) debris flood of August 2005. Geotechnique, 2019, 69, 1035-1055.	4.0	11
7	SPH numerical modelling of landslide movements as coupled two-phase flows with a new solution for the interaction term. European Journal of Mechanics, B/Fluids, 2022, 96, 1-14.	2.5	11
8	\mathbb{B} Free Finite Element Approach for Saturated Porous Media: Consolidation. Mathematical Problems in Engineering, 2016, 2016, 1-12.	1.1	8
9	An Arbitrary Lagrangian Eulerian (ALE) finite difference (FD) SPH depth integrated model for pore pressure evolution on landslides over erodible terrains. International Journal for Numerical and Analytical Methods in Geomechanics, 2022, 46, 1127-1153.	3.3	8
10	Two-phase SPH modelling of a real debris avalanche and analysis of its impact on bottom drainage screens. Landslides, 2022, 19, 421-435.	5.4	7
11	Fluid stabilization of the \mathbf{u}^w Biot's formulation at large strain. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 336-352.	3.3	6
12	Toward a local maximum-entropy material point method at finite strain within a \mathbb{B} -free approach. International Journal for Numerical Methods in Engineering, 2021, 122, 5594-5625.	2.8	4
13	Explicit meshfree \mathbb{B} solution of the dynamic Biot formulation at large strain. Computational Particle Mechanics, 0, 1.	3.0	3
14	A component-free Lagrangian finite element formulation for large strain elastodynamics. Computational Mechanics, 2022, 69, 639-660.	4.0	2
15	Fast Landslide Propagation: Alternative Modelling Techniques. Springer Series in Geomechanics and Geoengineering, 2017, , 193-199.	0.1	0
16	A coupled two-phase model for numerical simulation of a real debris avalanche. , 0, , .		0