Angel YagÃ¼e Hernan

List of Publications by Year
in descending order

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	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
2	A component-free Lagrangian finite element formulation for large strain elastodynamics. Computational Mechanics, 2022, 69, 639-660.	4.0	2
3	An Arbitrary Lagrangian Eulerian (ALE) finite difference (FD)â€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
4	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
5	Fluid stabilization of the uâˆ’w Biot's formulation at large strain. International Journal for Numerical and Analytical Methods in Geomechanics, 2021, 45, 336-352.	3.3	6
6	A depth integrated, coupled, two-phase model for debris flow propagation. Acta Geotechnica, 2021, 16, 2409-2433.	5.7	20
7	Toward a local maximumâ€entropy material point method at finite strain within a Bâ€free approach. International Journal for Numerical Methods in Engineering, 2021, 122, 5594-5625.	2.8	4
8	A depth average SPH model including Î¼(I) rheology and crushing for rock avalanches. International Journal for Numerical and Analytical Methods in Geomechanics, 2019, 43, 833-857.	3.3	14
9	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
10	Comparison of two depth-averaged numerical models for debris flow runout estimation. Canadian Geotechnical Journal, 2019, 56, 89-101.	2.8	24
11	A twoâ€phase SPH model for debris flow propagation. International Journal for Numerical and Analytical Methods in Geomechanics, 2018, 42, 418-448.	3.3	61
12	Fast Landslide Propagation: Alternative Modelling Techniques. Springer Series in Geomechanics and Geoengineering, 2017, , 193-199.	0.1	0
13	Modelling of Fluidised Geomaterials: The Case of the Aberfan and the Gypsum Tailings Impoundment Flowslides. Materials, 2017, 10, 562.	2.9	14
14	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" id="M1"><mml:mrow><mml:mi mathvariant="monospace">B</mml:mi></mml:mrow></mml:math>Free Finite Element Approach for Saturated Porous Media: Consolidation. Mathematical Problems in Engineering, 2016, 2016, 1-12.	1.1	8
15	Explicit meshfree $${{varvec{u}}}-{{varvec{p}}}_mathbf{mathrm{w}}}$$ solution of the dynamic Biot formulation at large strain. Computational Particle Mechanics, 0, , 1.	3.0	3
16	A coupled two-phase model for numerical simulation of a real debris avalanche. , 0, , .		0