

Antonios Zervos

List of Publications by Year in descending order

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39
papers

1,354
citations

331538

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360920

35
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42
all docs

42
docs citations

42
times ranked

979
citing authors

#	ARTICLE	IF	CITATIONS
1	An Alternative Approach to Track Settlement Prediction. Lecture Notes in Civil Engineering, 2022, , 99-112.	0.3	1
2	Modelling railway ballasted track settlement in vehicle-track interaction analysis. Transportation Geotechnics, 2021, 26, 100433.	2.0	30
3	Characterization of shallow overpressure in consolidating submarine slopes via seismic full waveform inversion. Quarterly Journal of Engineering Geology and Hydrogeology, 2020, 53, 366-377.	0.8	2
4	Closure to "Effect of Sleeper Interventions on Railway Track Performance" by Taufan Abadi, Louis Le Pen, Antonis Zervos, and William Powrie. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, 07020002.	1.5	0
5	Effect of Sleeper Interventions on Railway Track Performance. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	56
6	Second-grade elasticity revisited. Mathematics and Mechanics of Solids, 2019, 24, 748-777.	1.5	5
7	Modelling the effects of trafficking and tamping on scaled railway ballast in triaxial tests. Transportation Geotechnics, 2018, 15, 84-90.	2.0	31
8	Improving the performance of railway tracks through ballast interventions. Proceedings of the Institution of Mechanical Engineers, Part F: Journal of Rail and Rapid Transit, 2018, 232, 337-355.	1.3	45
9	The influence of soil nonlinear properties on the track/ground vibration induced by trains running on soft ground. Transportation Geotechnics, 2017, 11, 1-16.	2.0	58
10	Modelling Creeping and Catastrophic Failure of Thermomechanically Driven Landslides. Springer Series in Geomechanics and Geoengineering, 2017, , 207-212.	0.0	0
11	Scaling relationships for strip fibre-reinforced aggregates. Canadian Geotechnical Journal, 2017, 54, 710-719.	1.4	17
12	A behavioural framework for fibre-reinforced gravel. Geotechnique, 2017, 67, 56-68.	2.2	18
13	Discrete element simulation of railway ballast: modelling cell pressure effects in triaxial tests. Granular Matter, 2016, 18, 1.	1.1	44
14	The effect of boundary conditions, model size and damping models in the finite element modelling of a moving load on a track/ground system. Soil Dynamics and Earthquake Engineering, 2016, 89, 12-27.	1.9	60
15	Thermo-poro-mechanical analysis of landslides: from creeping behaviour to catastrophic failure. Geotechnique, 2016, 66, 202-219.	2.2	59
16	A Review and Evaluation of Ballast Settlement Models using Results from the Southampton Railway Testing Facility (SRTF). Procedia Engineering, 2016, 143, 999-1006.	1.2	44
17	Numerical modelling of railway ballast at the particle scale. International Journal for Numerical and Analytical Methods in Geomechanics, 2016, 40, 713-737.	1.7	25
18	What causes large submarine landslides on low gradient (2°) continental slopes with slow ($v \sim 0.15$)	1.4	71

#	ARTICLE	IF	CITATIONS
19	The Influence of Shear Heating on the Development of Creeping Landslides. , 2015, , 1491-1494.		0
20	A Numerical Investigation of Sediment Destructuring as a Potential Globally Widespread Trigger for Large Submarine Landslides on Low Gradients. Advances in Natural and Technological Hazards Research, 2014, , 177-188.	1.1	0
21	Dependence of shape on particle size for a crushed rock railway ballast. Granular Matter, 2013, 15, 849-861.	1.1	77
22	Polynomial C1 shape functions on the triangle. Computers and Structures, 2013, 118, 53-58.	2.4	6
23	Romania needs overseas reviewers. Nature, 2012, 492, 186-186.	13.7	1
24	Influence of thermomechanics in the catastrophic collapse of planar landslides. Canadian Geotechnical Journal, 2012, 49, 207-225.	1.4	30
25	A method for creating a class of triangular C^1 finite elements. International Journal for Numerical Methods in Engineering, 2012, 89, 1437-1450.	1.5	14
26	How Do $1/42^\circ$ Slopes Fail in Areas of Slow Sedimentation? A Sensitivity Study on the Influence of Accumulation Rate and Permeability on Submarine Slope Stability. , 2012, , 277-287.		11
27	A thermo-mechanical model for the catastrophic collapse of large landslides. International Journal for Numerical and Analytical Methods in Geomechanics, 2011, 35, 1507-1535.	1.7	50
28	Numerical solution of crack problems in gradient elasticity. Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics, 2010, 163, 73-82.	0.4	4
29	Continua with microstructure: second-gradient theory. Theory, examples and computational issues. European Journal of Environmental and Civil Engineering, 2010, 14, 1031-1050.	1.0	1
30	Computational post failure analysis with a second gradient theory Gradient elastoplasticity. European Journal of Environmental and Civil Engineering, 2010, 14, 1067-1079.	1.0	2
31	The Stokoe resonant column apparatus: effects of stiffness, mass and specimen fixity. Geotechnique, 2009, 59, 429-437.	2.2	41
32	A three-dimensional C^1 finite element for gradient elasticity. International Journal for Numerical Methods in Engineering, 2009, 77, 1396-1415.	1.5	95
33	Two Finite-Element Discretizations for Gradient Elasticity. Journal of Engineering Mechanics - ASCE, 2009, 135, 203-213.	1.6	85
34	Finite elements for elasticity with microstructure and gradient elasticity. International Journal for Numerical Methods in Engineering, 2008, 73, 564-595.	1.5	86
35	Influence of Nonassociativity on Localization and Failure in Geomechanics Based on Gradient Elastoplasticity. International Journal of Geomechanics, 2007, 7, 63-74.	1.3	14
36	Wellbore Stability Analysis: From Linear Elasticity to Postbifurcation Modeling. International Journal of Geomechanics, 2004, 4, 2-12.	1.3	39

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37	A finite element displacement formulation for gradient elastoplasticity. International Journal for Numerical Methods in Engineering, 2001, 50, 1369-1388.	1.5	114
38	Modelling of localisation and scale effect in thick-walled cylinders with gradient elastoplasticity. International Journal of Solids and Structures, 2001, 38, 5081-5095.	1.3	97
39	Numerical investigation of granular interfaces kinematics. International Journal for Numerical and Analytical Methods in Geomechanics, 2000, 5, 305-324.	1.0	18