Lidija ZdravkoviÄ

List of Publications by Year
in descending order

35 papers	1,269 citations	394421 19 h-index	414414 32 g-index
36 all docs	36 docs citations	36 times ranked	675 citing authors

#	Article	IF	Citations
1	Case study on seismic tunnel response. Canadian Geotechnical Journal, 2008, 45, 1743-1764.	2.8	116
2	PISA design model for monopiles for offshore wind turbines: application to a stiff glacial clay till. Geotechnique, 2020, 70, 1030-1047.	4.0	81
3	PISA design model for monopiles for offshore wind turbines: application to a marine sand. Geotechnique, 2020, 70, 1048-1066.	4.0	69
4	Three-Dimensional Constitutive Model for Partially and Fully Saturated Soils. International Journal of Geomechanics, 2005, 5, 244-255.	2.7	63
5	An assessment of time integration schemes for dynamic geotechnical problems. Computers and Geotechnics, 2008, 35, 253-264.	4.7	59
6	Numerical modelling of thermo-active piles in London Clay. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2017, 170, 201-219.	1.6	59
7	Monotonic laterally loaded pile testing in a dense marine sand at Dunkirk. Geotechnique, 2020, 70, 986-998.	4.0	55
8	Monotonic laterally loaded pile testing in a stiff glacial clay till at Cowden. Geotechnique, 2020, 70, 970-985.	4.0	54
9	Finite-element modelling of laterally loaded piles in a dense marine sand at Dunkirk. Geotechnique, 2020, 70, 1014-1029.	4.0	50
10	An alternative coupled thermo-hydro-mechanical finite element formulation for fully saturated soils. Computers and Geotechnics, 2018, 94, 22-30.	4.7	41
11	Finite-element modelling of laterally loaded piles in a stiff glacial clay till at Cowden. Geotechnique, 2020, 70, 999-1013.	4.0	39
12	A new Hvorslev surface for critical state type unsaturated and saturated constitutive models. Computers and Geotechnics, 2013, 48, 156-166.	4.7	38
13	Ground characterisation for PISA pile testing and analysis. Geotechnique, 2020, 70, 945-960.	4.0	38
14	Numerical investigation of the response of the Yele rockfill dam during the 2008 Wenchuan earthquake. Soil Dynamics and Earthquake Engineering, 2016, 88, 124-142.	3.8	34
15	New data analysis methods for instrumented medium-scale monopile field tests. Geotechnique, 2020, 70, 961-969.	4.0	28
16	An assessment of the domain reduction method as an advanced boundary condition and some pitfalls in the use of conventional absorbing boundaries. International Journal for Numerical and Analytical Methods in Geomechanics, 2009, 33, 309-330.	3.3	26
17	Application of the PISA design model to monopiles embedded in layered soils. Geotechnique, 2020, 70, 1067-1082.	4.0	26
18	Numerical modelling of hydrodynamic pressures on dams. Computers and Geotechnics, 2013, 53, 68-82.	4.7	25

#	ARTICLE	IF	CITATIONS
19	Damâ€“reservoir interaction effects on the elastic dynamic response of concrete and earth dams. Soil Dynamics and Earthquake Engineering, 2016, 82, 138-141.	3.8	19
20	Stability investigation of the Generalised-Î± time integration method for dynamic coupled consolidation analysis. Computers and Geotechnics, 2015, 64, 83-95.	4.7	18
21	Coupled hydro-mechanical modelling of soilâ€“vegetationâ€“atmosphere interaction in natural clay slopes. Canadian Geotechnical Journal, 2022, 59, 272-290.	2.8	18
22	The domain reduction method for dynamic coupled consolidation problems in geotechnical engineering. International Journal for Numerical and Analytical Methods in Geomechanics, 2008, 32, 659-680.	3.3	17
23	The Effects of Damâ€“Reservoir Interaction on the Nonlinear Seismic Response of Earth Dams. Journal of Earthquake Engineering, 2020, 24, 1034-1056.	2.5	17
24	PISA: new design methods for offshore wind turbine monopiles. Revue FranÃ§aise De GÃ©otechnique, 2019, , 3.	0.1	16
25	Numerical investigation of multi-directional site response based on KiK-net downhole array monitoring data. Computers and Geotechnics, 2017, 89, 55-70.	4.7	15
26	A coupled THM finite element formulation for unsaturated soils and a strategy for its nonlinear solution. Computers and Geotechnics, 2021, 136, 104221.	4.7	10
27	Numerical Modeling of Time-Dependent Thermally Induced Excess Pore Fluid Pressures in a Saturated Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	7
28	Evaluation of an Active System to Measure Lateral Stresses in Unsaturated Soils. Geotechnical Testing Journal, 2014, 37, 20130062.	1.0	7
29	Time-step constraints for finite element analysis of two-dimensional transient heat diffusion. Computers and Geotechnics, 2019, 108, 1-6.	4.7	6
30	Integrating laboratory and field testing into advanced geotechnical design. Geomechanics for Energy and the Environment, 2021, 27, 100216.	2.5	6
31	Numerical modelling of the Ivens shaft construction in Lisbon, Portugal. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2019, 172, 263-282.	1.6	3
32	A novel method for designing thermo-active retaining walls using two-dimensional analyses. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2020, , 1-51.	1.6	2
33	Numerical assessment of the effects of end-restraints and a pre-existing fissure on the interpretation of triaxial tests on stiff clays. Geotechnique, 2021, 71, 765-780.	4.0	2
34	Destabilisation of Seawall Ground by Ocean Waves. Geotechnique, 0, , 1-68.	4.0	2
35	Geotechnical characterization of the Miocene formations at the location of Ivens shaft, Lisbon. Quarterly Journal of Engineering Geology and Hydrogeology, 2018, 51, 96-107.	1.4	1