

Andrea Diambra

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,506
citations

331538

21
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315616

38
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all docs

49
docs citations

49
times ranked

729
citing authors

#	ARTICLE	IF	CITATIONS
1	Strength and stiffness of compacted chalk putty-cement blends. <i>Acta Geotechnica</i> , 2022, 17, 2955-2969.	2.9	7
2	Sand-Fly Ash-Lime Blends: Mechanical Behavior under Multiaxial Stress Condition. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	1.3	5
3	Polypropylene pipe interface strength on marine sandy soils with varying coarse fraction. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2021, 174, 3-18.	0.9	8
4	Stiffness of granular soils under long-term multiaxial cyclic loading. <i>Geotechnique</i> , 2021, 71, 795-811.	2.2	6
5	A multiaxial constitutive model for fibre-reinforced sand. <i>Geotechnique</i> , 2021, 71, 548-560.	2.2	12
6	Stiffness of artificially cemented sands: insight on characterisation through empirical power relationships. <i>Road Materials and Pavement Design</i> , 2021, 22, 1469-1479.	2.0	10
7	A non-associative macroelement model for vertical plate anchors in clay. <i>Canadian Geotechnical Journal</i> , 2021, 58, 1703-1715.	1.4	5
8	3D FE-Informed Laboratory Soil Testing for the Design of Offshore Wind Turbine Monopiles. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 101.	1.2	11
9	A Cyclic Macro-Element Framework for Consolidation-Dependent Three-Dimensional Capacity of Plate Anchors. <i>Journal of Marine Science and Engineering</i> , 2021, 9, 199.	1.2	1
10	Relationship between texture of polypropylene coatings and interface friction for sand at low stress levels. <i>Canadian Geotechnical Journal</i> , 2021, 58, 1884-1897.	1.4	5
11	Small to large strain mechanical behaviour of an alluvium stabilised with low carbon secondary minerals. <i>Construction and Building Materials</i> , 2020, 232, 117174.	3.2	7
12	Consolidation effects on monotonic and cyclic capacity of plate anchors in sand. <i>Geotechnique</i> , 2020, 70, 720-731.	2.2	11
13	Editorial: embedded foundations under complex loading. <i>Geotechnique</i> , 2020, 70, 655-656.	2.2	1
14	Memory-Enhanced Plasticity Modeling of Sand Behavior under Undrained Cyclic Loading. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2020, 146, .	1.5	33
15	A sand-rubber deformable granular layer as a low-cost seismic isolation strategy in developing countries: Experimental investigation. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105731.	1.9	91
16	Acoustic emission monitoring of crushing of an analogue granular material. <i>Geotechnique Letters</i> , 2019, 9, 305-313.	0.6	4
17	Stiffness of lightly cemented sand under multiaxial loading. <i>E3S Web of Conferences</i> , 2019, 92, 11008.	0.2	1
18	Artificially cemented sand under multiaxial loading. <i>E3S Web of Conferences</i> , 2019, 92, 11011.	0.2	1

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19	Interface shear strength of polypropylene pipeline coatings and granular materials at low stress level. E3S Web of Conferences, 2019, 92, 13010.	0.2	1
20	Modelling the cyclic ratcheting of sands through memory-enhanced bounding surface plasticity. Geotechnique, 2019, 69, 783-800.	2.2	70
21	Strength anisotropy of fibre-reinforced sands under multiaxial loading. Geotechnique, 2019, 69, 203-216.	2.2	26
22	Axial Resistance of Smooth Polymer Pipelines on Sand. , 2019, , .		3
23	Local and Global Volumetric Strain Comparison in Sand Specimens Subjected to Drained Cyclic and Monotonic Triaxial Compression Loading. Geotechnical Testing Journal, 2019, 42, 20170054.	0.5	9
24	Modelling tensile/compressive strength ratio of artificially cemented clean sand. Soils and Foundations, 2018, 58, 199-211.	1.3	56
25	Stress and time-dependent properties of crushed chalk. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2018, 171, 530-544.	0.9	5
26	Compacted Chalk Puttyâ€Cement Blends: Mechanical Properties and Performance. Journal of Materials in Civil Engineering, 2018, 30, 04017266.	1.3	9
27	Modelling tensile/compressive strength ratio of fibre reinforced cemented soils. Geotextiles and Geomembranes, 2018, 46, 155-165.	2.3	68
28	Time and stress dependent strength and stiffness of reconstituted chalk. , 2018, , .		3
29	Energy efficiency of fibre reinforced soil formation at small element scale: Laboratory and numerical investigation. Geotextiles and Geomembranes, 2018, 46, 497-510.	2.3	11
30	Time-dependent uplift capacity of driven piles in low to medium density chalk. Geotechnique Letters, 2017, 7, 90-96.	0.6	27
31	Theoretical Derivation of Artificially Cemented Granular Soil Strength. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2017, 143, .	1.5	78
32	Monotonic and cyclic lateral tests on driven piles in Chalk. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2017, 170, 353-366.	0.9	13
33	Application of a memory surface model to predict whole-life settlements of a sliding foundation. Computers and Geotechnics, 2017, 88, 152-163.	2.3	13
34	3D fibre architecture of fibre-reinforced sand. Granular Matter, 2017, 19, 75.	1.1	29
35	A Sole Empirical Correlation Expressing Strength of Fine-Grained Soils - Lime Mixtures. Soils and Rocks, 2017, 40, 147-153.	0.2	8
36	Fibres and soils: A route towards modelling of root-soil systems. Soils and Foundations, 2016, 56, 765-778.	1.3	39

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37	Memory Surface Hardening Model for Granular Soils under Repeated Loading Conditions. Journal of Engineering Mechanics - ASCE, 2016, 142, .	1.6	41
38	Drained cyclic capacity of plate anchors in dense sand: Experimental and theoretical observations. Geotechnique Letters, 2015, 5, 80-85.	0.6	25
39	Fibre-reinforced sand: interaction at the fibre and grain scale. Geotechnique, 2015, 65, 296-308.	2.2	71
40	Modelling of fibre-reinforced cohesive soil mixtures. Acta Geotechnica, 2014, 9, 1029-1043.	2.9	43
41	Space-time prediction of rainfall-induced shallow landslides through a combined probabilistic/deterministic approach, optimized for initial water table conditions. Bulletin of Engineering Geology and the Environment, 2014, 73, 877-890.	1.6	37
42	Performance of cyclic cone penetration tests in chalk. Geotechnique Letters, 2014, 4, 230-237.	0.6	19
43	Fibre reinforced sands: from experiments to modelling and beyond. International Journal for Numerical and Analytical Methods in Geomechanics, 2013, 37, 2427-2455.	1.7	60
44	Assessment of laboratory sample preparation for fibre reinforced sands. Geotextiles and Geomembranes, 2012, 34, 69-79.	2.3	80
45	Modelling the Undrained Response of Fibre Reinforced Sands. Soils and Foundations, 2011, 51, 625-636.	1.3	30
46	Static liquefaction of fibre reinforced sand under monotonic loading. Geotextiles and Geomembranes, 2010, 28, 374-385.	2.3	109
47	Fibre reinforced sands: Experiments and modelling. Geotextiles and Geomembranes, 2010, 28, 238-250.	2.3	211
48	Determination of fibre orientation distribution in reinforced sands. Geotechnique, 2007, 57, 623-628.	2.2	92