

# Andrea Diambra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9392603/publications.pdf>

Version: 2024-02-01

48  
papers

1,506  
citations

331538

21  
h-index

315616

38  
g-index

49  
all docs

49  
docs citations

49  
times ranked

729  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Fibre reinforced sands: Experiments and modelling. <i>Geotextiles and Geomembranes</i> , 2010, 28, 238-250.   | 2.3 | 211       |
| 2  | Static liquefaction of fibre reinforced sand under monotonic loading. <i>Geotextiles and Geomembranes</i> , 2010, 28, 374-385.  | 2.3 | 109       |
| 3  | Determination of fibre orientation distribution in reinforced sands. <i>Geotechnique</i> , 2007, 57, 623-628.   | 2.2 | 92        |
| 4  | 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        |
| 5  | Assessment of laboratory sample preparation for fibre reinforced sands. <i>Geotextiles and Geomembranes</i> , 2012, 34, 69-79.  | 2.3 | 80        |
| 6  | Theoretical Derivation of Artificially Cemented Granular Soil Strength. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2017, 143, .   | 1.5 | 78        |
| 7  | Fibre-reinforced sand: interaction at the fibre and grain scale. <i>Geotechnique</i> , 2015, 65, 296-308.   | 2.2 | 71        |
| 8  | Modelling the cyclic ratcheting of sands through memory-enhanced bounding surface plasticity. <i>Geotechnique</i> , 2019, 69, 783-800.  | 2.2 | 70        |
| 9  | Modelling tensile/compressive strength ratio of fibre reinforced cemented soils. <i>Geotextiles and Geomembranes</i> , 2018, 46, 155-165.   | 2.3 | 68        |
| 10 | Fibre reinforced sands: from experiments to modelling and beyond. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 2013, 37, 2427-2455.  | 1.7 | 60        |
| 11 | Modelling tensile/compressive strength ratio of artificially cemented clean sand. <i>Soils and Foundations</i> , 2018, 58, 199-211.   | 1.3 | 56        |
| 12 | Modelling of fibre-enhanced cohesive soil mixtures. <i>Acta Geotechnica</i> , 2014, 9, 1029-1043.   | 2.9 | 43        |
| 13 | Memory Surface Hardening Model for Granular Soils under Repeated Loading Conditions. <i>Journal of Engineering Mechanics - ASCE</i> , 2016, 142, .  | 1.6 | 41        |
| 14 | Fibres and soils: A route towards modelling of root-soil systems. <i>Soils and Foundations</i> , 2016, 56, 765-778.   | 1.3 | 39        |
| 15 | Space-time prediction of rainfall-induced shallow landslides through a combined probabilistic/deterministic approach, optimized for initial water table conditions. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 877-890. | 1.6 | 37        |
| 16 | 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        |
| 17 | Modelling the Undrained Response of Fibre Reinforced Sands. <i>Soils and Foundations</i> , 2011, 51, 625-636.   | 1.3 | 30        |
| 18 | 3D fibre architecture of fibre-reinforced sand. <i>Granular Matter</i> , 2017, 19, 75.  | 1.1 | 29        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Time-dependent uplift capacity of driven piles in low to medium density chalk. <i>Geotechnique Letters</i> , 2017, 7, 90-96.  | 0.6 | 27        |
| 20 | Strength anisotropy of fibre-reinforced sands under multiaxial loading. <i>Geotechnique</i> , 2019, 69, 203-216.  | 2.2 | 26        |
| 21 | Drained cyclic capacity of plate anchors in dense sand: Experimental and theoretical observations. <i>Geotechnique Letters</i> , 2015, 5, 80-85.  | 0.6 | 25        |
| 22 | Performance of cyclic cone penetration tests in chalk. <i>Geotechnique Letters</i> , 2014, 4, 230-237.  | 0.6 | 19        |
| 23 | Monotonic and cyclic lateral tests on driven piles in Chalk. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2017, 170, 353-366.                             | 0.9 | 13        |
| 24 | Application of a memory surface model to predict whole-life settlements of a sliding foundation. <i>Computers and Geotechnics</i> , 2017, 88, 152-163.  | 2.3 | 13        |
| 25 | A multiaxial constitutive model for fibre-reinforced sand. <i>Geotechnique</i> , 2021, 71, 548-560.   | 2.2 | 12        |
| 26 | Energy efficiency of fibre reinforced soil formation at small element scale: Laboratory and numerical investigation. <i>Geotextiles and Geomembranes</i> , 2018, 46, 497-510.                     | 2.3 | 11        |
| 27 | Consolidation effects on monotonic and cyclic capacity of plate anchors in sand. <i>Geotechnique</i> , 2020, 70, 720-731.   | 2.2 | 11        |
| 28 | 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        |
| 29 | 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        |
| 30 | Compacted Chalk Puttyâ€Cement Blends: Mechanical Properties and Performance. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, 04017266.   | 1.3 | 9         |
| 31 | Local and Global Volumetric Strain Comparison in Sand Specimens Subjected to Drained Cyclic and Monotonic Triaxial Compression Loading. <i>Geotechnical Testing Journal</i> , 2019, 42, 20170054. | 0.5 | 9         |
| 32 | 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         |
| 33 | A Sole Empirical Correlation Expressing Strength of Fine-Grained Soils - Lime Mixtures. <i>Soils and Rocks</i> , 2017, 40, 147-153.   | 0.2 | 8         |
| 34 | 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         |
| 35 | Strength and stiffness of compacted chalk puttyâ€Ccement blends. <i>Acta Geotechnica</i> , 2022, 17, 2955-2969.   | 2.9 | 7         |
| 36 | Stiffness of granular soils under long-term multiaxial cyclic loading. <i>Geotechnique</i> , 2021, 71, 795-811.   | 2.2 | 6         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Stress and time-dependent properties of crushed chalk. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2018, 171, 530-544.            | 0.9 | 5         |
| 38 | A non-associative macroelement model for vertical plate anchors in clay. Canadian Geotechnical Journal, 2021, 58, 1703-1715.                                       | 1.4 | 5         |
| 39 | Relationship between texture of polypropylene coatings and interface friction for sand at low stress levels. Canadian Geotechnical Journal, 2021, 58, 1884-1897.   | 1.4 | 5         |
| 40 | Sand-Fly Ash-Lime Blends: Mechanical Behavior under Multiaxial Stress Condition. Journal of Materials in Civil Engineering, 2022, 34, .                            | 1.3 | 5         |
| 41 | Acoustic emission monitoring of crushing of an analogue granular material. Geotechnique Letters, 2019, 9, 305-313.   | 0.6 | 4         |
| 42 | Time and stress dependent strength and stiffness of reconstituted chalk. , 2018, , .   |     | 3         |
| 43 | Axial Resistance of Smooth Polymer Pipelines on Sand. , 2019, , .  |     | 3         |
| 44 | Stiffness of lightly cemented sand under multiaxial loading. E3S Web of Conferences, 2019, 92, 11008.  | 0.2 | 1         |
| 45 | Artificially cemented sand under multiaxial loading. E3S Web of Conferences, 2019, 92, 11011.  | 0.2 | 1         |
| 46 | Interface shear strength of polypropylene pipeline coatings and granular materials at low stress level. E3S Web of Conferences, 2019, 92, 13010.                   | 0.2 | 1         |
| 47 | Editorial: embedded foundations under complex loading. Geotechnique, 2020, 70, 655-656.  | 2.2 | 1         |
| 48 | A Cyclic Macro-Element Framework for Consolidation-Dependent Three-Dimensional Capacity of Plate Anchors. Journal of Marine Science and Engineering, 2021, 9, 199. | 1.2 | 1         |