

# Laurent Briançon

## List of Publications by Year in descending order

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27  
papers

769  
citations

687363

13  
h-index

794594

19  
g-index

28  
all docs

28  
docs citations

28  
times ranked

388  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Performance of Pile-Supported Embankment over Soft Soil: Full-Scale Experiment. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 551-561.         | 3.0 | 156       |
| 2  | Analyses of a pile-supported embankment over soft clay: Full-scale experiment, analytical and numerical approaches. Engineering Geology, 2013, 153, 53-67.                   | 6.3 | 101       |
| 3  | Design of geosynthetic-reinforced platforms spanning localized sinkholes. Geotextiles and Geomembranes, 2008, 26, 416-428.   | 4.6 | 78        |
| 4  | Load transfer mechanisms in geotextile-reinforced embankments overlying voids: Experimental and analytical approaches. Geotextiles and Geomembranes, 2016, 44, 442-456.      | 4.6 | 59        |
| 5  | Slope stability of lining systems—experimental modeling of friction at geosynthetic interfaces. Geotextiles and Geomembranes, 2002, 20, 147-172.                             | 4.6 | 53        |
| 6  | Load transfer mechanisms in geotextile-reinforced embankments overlying voids: Numerical approach and design. Geotextiles and Geomembranes, 2016, 44, 381-395.               | 4.6 | 50        |
| 7  | Design of geosynthetic reinforcements for platforms subjected to localized sinkholes. Canadian Geotechnical Journal, 2008, 45, 196-209.                                      | 2.8 | 45        |
| 8  | Theoretical Versus Experimental Modeling of the Anchorage Capacity of Geotextiles in Trenches. Geosynthetics International, 2002, 9, 97-123.                                 | 2.9 | 39        |
| 9  | A new procedure for measuring geosynthetic friction with an inclined plane. Geotextiles and Geomembranes, 2011, 29, 472-482.   | 4.6 | 38        |
| 10 | Experimental studies of the geosynthetic anchorage — Effect of geometric parameters and efficiency of anchorages. Geotextiles and Geomembranes, 2014, 42, 505-514.           | 4.6 | 26        |
| 11 | Monitoring and numerical investigation of a rigid inclusions—reinforced industrial building. Canadian Geotechnical Journal, 2015, 52, 1592-1604.                             | 2.8 | 24        |
| 12 | Geosynthetics anchorage with wrap around: experimental and numerical studies. Geosynthetics International, 2015, 22, 273-287.  | 2.9 | 19        |
| 13 | Investigation of load transfer mechanisms in granular platforms reinforced by geosynthetics above cavities. Geotextiles and Geomembranes, 2018, 46, 611-624.                 | 4.6 | 14        |
| 14 | Experimental study on the L-shaped anchorage capacity of the geogrid by the pullout test. Geotextiles and Geomembranes, 2021, 49, 1046-1057.                                 | 4.6 | 14        |
| 15 | Pile-supported embankment over soft soil for a high-speed line. Geosynthetics International, 0, , 1-13.  | 2.9 | 13        |
| 16 | Coupled numerical and experimental analyses of load transfer mechanisms in granular-reinforced platform overlying cavities. Geotextiles and Geomembranes, 2019, 47, 587-597. | 4.6 | 13        |
| 17 | Experimental studies of the behaviour of geosynthetic wrap around anchorage. Geosynthetics International, 2015, 22, 249-256.   | 2.9 | 11        |
| 18 | Prediction of Load Transfers in Granular Layers Used in Rigid Inclusions Technique—Experimental and Discrete Element Method Analysis. , 2010, , .                            |     | 6         |

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|----|--|-----|-----------|
| 19 | Investigation of behavior of footings over rigid inclusion-reinforced soft soil: experimental and numerical approaches. Canadian Geotechnical Journal, 2019, 56, 1940-1952.                        | 2.8 | 6         |
| 20 | Experimental evaluation of geosynthetics interface friction with a new procedure by using inclined plane. Innovative Infrastructure Solutions, 2020, 5, 1.   | 2.2 | 2         |
| 21 | Subsoil compressibility effect in an end bearing scaled pile-supported embankment, investigation of the load transfer mechanism. Innovative Infrastructure Solutions, 2022, 7, 1.                  | 2.2 | 1         |
| 22 | New Developments in the Modeling and the Design of Geosynthetic Reinforcements of Platforms Subjected to Localized Sinkholes. , 2010, , .  |     | 0         |
| 23 | Discrete element simulations of load transfer mechanisms for a reinforced granular embankment submitted to loading cycles. EPJ Web of Conferences, 2021, 249, 14020.                               | 0.3 | 0         |
| 24 | Conséquences du mode d'effondrement sur les mécanismes de transfert de charge et sur le dimensionnement des géosynthétiques sur cavités potentielles. Revue Française De Géotechnique, 2017, 1, 2. |     | 0         |
| 25 | Instrumentation <i>in situ</i> , un outil pour les techniques d'amélioration des sols. Revue Française De Géotechnique, 2020, , 4.   | 0.1 | 0         |
| 26 | Amélioration des sols par inclusions rigides: le rôle des géosynthétiques dans la plateforme de transfert de charge. Revue Française De Géotechnique, 2020, , 1.                                   | 0.1 | 0         |
| 27 | ASIRI+: French National Research Program on Soil Reinforcement with Rigid Inclusions. Lecture Notes in Civil Engineering, 2022, , 659-665.   | 0.4 | 0         |