

# Fraser Bransby

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

1,835  
citations

361413

20  
h-index

454955

30  
g-index

38  
all docs

38  
docs citations

38  
times ranked

839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined loading of skirted foundations. <i>Geotechnique</i> , 1998, 48, 637-655.	4.0	334
2	Fault Rupture Propagation through Sand: Finite-Element Analysis and Validation through Centrifuge Experiments. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 943-958.	3.0	226
3	The undrained capacity of skirted strip foundations under combined loading. <i>Geotechnique</i> , 2009, 59, 115-125.	4.0	160
4	Drag anchor fluke–soil interaction in clays. <i>Canadian Geotechnical Journal</i> , 2003, 40, 78-94.	2.8	133
5	Centrifuge modelling of normal fault–foundation interaction. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 585-605.	4.1	112
6	Material stiffness, branching pattern and soil matric potential affect the pullout resistance of model root systems. <i>European Journal of Soil Science</i> , 2007, 58, 1471-1481.	3.9	110
7	Centrifuge modelling of reverse fault–foundation interaction. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 607-628.	4.1	110
8	Numerical analyses of fault–foundation interaction. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 645-675.	4.1	63
9	Biomechanics of nodal, seminal and lateral roots of barley: effects of diameter, waterlogging and mechanical impedance. <i>Plant and Soil</i> , 2013, 370, 407-418.	3.7	57
10	Normal Fault Rupture Interaction with Strip Foundations. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 359-370.	3.0	56
11	Centrifuge modelling of soil slopes reinforced with vegetation. <i>Canadian Geotechnical Journal</i> , 2010, 47, 1415-1430.	2.8	51
12	Selection of $p$ - $y$ curves for the design of single laterally loaded piles. <i>International Journal for Numerical and Analytical Methods in Geomechanics</i> , 1999, 23, 1909-1926.	3.3	41
13	Resistance of simple plant root systems to uplift loads. <i>Canadian Geotechnical Journal</i> , 2010, 47, 78-95.	2.8	36
14	Effect of root age on the biomechanics of seminal and nodal roots of barley ( <i>Hordeum vulgare</i> L.) in contrasting soil environments. <i>Plant and Soil</i> , 2015, 395, 253-261.	3.7	35
15	Caisson Foundations Subjected to Reverse Fault Rupture: Centrifuge Testing and Numerical Analysis. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2011, 137, 914-925.	3.0	33
16	Rate effects during pipeline upheaval buckling in sand. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2009, 162, 247-256.	1.6	32
17	Effect of Stress Level on Response of Model Monopile to Cyclic Lateral Loading in Sand. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, .	3.0	32
18	Role of vegetation in sustainability of infrastructure slopes. <i>Proceedings of the Institution of Civil Engineers: Engineering Sustainability</i> , 2009, 162, 101-110.	0.7	26

#	ARTICLE	IF	CITATIONS
19	Difference between Load-Transfer Relationships for Laterally Loaded Pile Groups: Active-por Passive-p. Journal of Geotechnical Engineering, 1996, 122, 1015-1018.	0.4	24
20	Centrifuge modelling of climatic effects on clay embankments. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2009, 162, 91-100.	0.7	23
21	Simplified approach for design of raft foundations against fault rupture. Part I: free-field. Earthquake Engineering and Engineering Vibration, 2008, 7, 147-163.	2.3	19
22	Climate-change impacts on long-term performance of slopes. Proceedings of the Institution of Civil Engineers: Engineering Sustainability, 2009, 162, 59-66.	0.7	14
23	Centrifuge observations on multidirectional loading of a suction caisson in dense sand. Acta Geotechnica, 2020, 15, 1439-1451.	5.7	14
24	Numerical Study of Mobilized Friction along Embedded Catenary Mooring Chains. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	13
25	Numerical Investigations into Development of Seabed Trenching in Semitaot Moorings. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2020, 146, .	3.0	13
26	Scale effects during cone penetration in spatially variable clays. Geotechnique, 2022, 72, 78-90.	4.0	12
27	Field and numerical study of the lateral response of rigid piles in sand. Acta Geotechnica, 2022, 17, 5573-5584.	5.7	12
28	Design of Direct On-Seabed Sliding Foundations. , 2014, , .		11
29	Simplified approach for design of raft foundations against fault rupture. Part II: soil-structure interaction. Earthquake Engineering and Engineering Vibration, 2008, 7, 165-179.	2.3	9
30	A framework for the design of vertically loaded piles in spatially variable soil. Computers and Geotechnics, 2021, 134, 104140.	4.7	8
31	A simple approach for predicting the ultimate lateral capacity of a rigid pile in sand. Geotechnique Letters, 2020, 10, 429-435.	1.2	5
32	Strategies for Quantifying the Installation Reliability of Skirted Subsea Foundations. , 2015, , .		3
33	The Design of Subsea Foundations Subject to General Cyclic Loading Using a Massively Scalable Web Based Application. , 2018, , .		2
34	The Influence of Slope on the Stability of Pipelines Subjected to Horizontal and Vertical Loading on Clay Seabeds. , 2009, , .		1
35	Optimising Foundation Skirt Geometries for Reliable Foundation Capacity and Installation. , 2017, , .		1
36	The Effect of Shallow Foundation Position on Their Interaction with Reverse Faults. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
37	Pipe Soil Interaction During Cyclic Buckling: The Importance of Site-Specific Seabed Properties. , 2014, , .		0