Andrew John Brennan

List of Publications by Year
in descending order

26 papers	**600** citations	687363 **13** h-index	610901 **24** g-index
27 all docs	**27** docs citations	**27** times ranked	**477** citing authors

#	Article	IF	Citations
1	Evaluation of Shear Modulus and Damping in Dynamic Centrifuge Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1488-1497.	3.0	171
2	Influence of bearing pressure on liquefaction-induced settlement of shallow foundations. Geotechnique, 2013, 63, 391-399.	4.0	56
3	Liquefaction and Drainage in Stratified Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 876-885.	3.0	43
4	Imposition of essential boundary conditions in the material point method. International Journal for Numerical Methods in Engineering, 2018, 113, 130-152.	2.8	42
5	On Lagrangian mechanics and the implicit material point method for large deformation elasto-plasticity. Computer Methods in Applied Mechanics and Engineering, 2020, 358, 112622.	6.6	37
6	Amplification of seismic accelerations at slope crests. Canadian Geotechnical Journal, 2009, 46, 585-594.	2.8	34
7	Influence of initial stress distribution on liquefaction-induced settlement of shallow foundations. Geotechnique, 2015, 65, 418-428.	4.0	30
8	On the use of domain-based material point methods for problems involving large distortion. Computer Methods in Applied Mechanics and Engineering, 2019, 355, 1003-1025.	6.6	30
9	Physical modelling to demonstrate the feasibility of screw piles for offshore jacket-supported wind energy structures. Geotechnique, 2022, 72, 108-126.	4.0	23
10	A finite element approach for determining the full load–displacement relationship of axially loaded shallow screw anchors, incorporating installation effects. Canadian Geotechnical Journal, 2021, 58, 565-582.	2.8	23
11	Liquefaction remediation by vertical drains with varying penetration depths. Soil Dynamics and Earthquake Engineering, 2006, 26, 469-475.	3.8	20
12	Mitigation of the seismic motion near the edge of cliff-type topographies. Soil Dynamics and Earthquake Engineering, 2007, 27, 1082-1100.	3.8	18
13	Effects of screw pile installation on installation requirements and in-service performance using the discrete element method. Canadian Geotechnical Journal, 2021, 58, 1334-1350.	2.8	15
14	Modelling Screwpile Installation Using the MPM. Procedia Engineering, 2017, 175, 124-132.	1.2	10
15	Strength reduction for upheaval buckling of buried pipes in blocky clay backfill. Ocean Engineering, 2017, 130, 210-217.	4.3	10
16	Behaviour of saturated fibre-reinforced sand in centrifuge model tests. Soil Dynamics and Earthquake Engineering, 2019, 125, 105749.	3.8	8
17	Centrifuge testing to verify scaling of offshore pipeline ploughs. International Journal of Physical Modelling in Geotechnics, 2019, 19, 305-317.	0.6	7
18	Nonlinear Lateral Response of RC Pile in Sand: Centrifuge and Numerical Modeling. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2021, 147, 04021031.	3.0	6

#	Article	IF	Citations
19	Modelling Seabed Ploughing Using the Material Point Method. Procedia Engineering, 2017, 175, 1-7.	1.2	3
20	Stability of scour protection due to earthquake-induced liquefaction: Centrifuge modelling. Coastal Engineering, 2017, 129, 50-58.	4.0	3
21	A cone penetration test (CPT) approach to cable plough performance prediction based upon centrifuge model testing. Canadian Geotechnical Journal, 2021, 58, 1466-1477.	2.8	3
22	Centrifuge study of seismic response of soil-nailed walls supporting a footing on the ground surface. Geotechnique, 2023, 73, 781-797.	4.0	3
23	Mitigation of Seismic Accelerations by Soft Caissons. International Journal of Geotechnical Earthquake Engineering, 2013, 4, 1-17.	0.6	2
24	Observations on Sand Boils from Simple Model Tests. , 2008, , .		1
25	Centrifuge Modeling of the Nondestructive Testing of Soil Anchorages. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 880-891.	3.0	1
26	Rocking and Uplift of a Shallow Wind Turbine Foundation. , 0, , .		0