

Andrew John Brennan

List of Publications by Year in descending order

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Version: 2024-02-01

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	Centrifuge study of seismic response of soil-nailed walls supporting a footing on the ground surface. <i>Geotechnique</i> , 2023, 73, 781-797.	4.0	3
2	Physical modelling to demonstrate the feasibility of screw piles for offshore jacket-supported wind energy structures. <i>Geotechnique</i> , 2022, 72, 108-126.	4.0	23
3	A finite element approach for determining the full load–displacement relationship of axially loaded shallow screw anchors, incorporating installation effects. <i>Canadian Geotechnical Journal</i> , 2021, 58, 565-582.	2.8	23
4	Nonlinear Lateral Response of RC Pile in Sand: Centrifuge and Numerical Modeling. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2021, 147, 04021031.	3.0	6
5	Effects of screw pile installation on installation requirements and in-service performance using the discrete element method. <i>Canadian Geotechnical Journal</i> , 2021, 58, 1334-1350.	2.8	15
6	A cone penetration test (CPT) approach to cable plough performance prediction based upon centrifuge model testing. <i>Canadian Geotechnical Journal</i> , 2021, 58, 1466-1477.	2.8	3
7	On Lagrangian mechanics and the implicit material point method for large deformation elasto-plasticity. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 358, 112622.	6.6	37
8	On the use of domain-based material point methods for problems involving large distortion. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 355, 1003-1025.	6.6	30
9	Behaviour of saturated fibre-reinforced sand in centrifuge model tests. <i>Soil Dynamics and Earthquake Engineering</i> , 2019, 125, 105749.	3.8	8
10	Centrifuge testing to verify scaling of offshore pipeline ploughs. <i>International Journal of Physical Modelling in Geotechnics</i> , 2019, 19, 305-317.	0.6	7
11	Imposition of essential boundary conditions in the material point method. <i>International Journal for Numerical Methods in Engineering</i> , 2018, 113, 130-152.	2.8	42
12	Modelling Seabed Ploughing Using the Material Point Method. <i>Procedia Engineering</i> , 2017, 175, 1-7.	1.2	3
13	Modelling Screwpile Installation Using the MPM. <i>Procedia Engineering</i> , 2017, 175, 124-132.	1.2	10
14	Strength reduction for upheaval buckling of buried pipes in blocky clay backfill. <i>Ocean Engineering</i> , 2017, 130, 210-217.	4.3	10
15	Stability of scour protection due to earthquake-induced liquefaction: Centrifuge modelling. <i>Coastal Engineering</i> , 2017, 129, 50-58.	4.0	3
16	Influence of initial stress distribution on liquefaction-induced settlement of shallow foundations. <i>Geotechnique</i> , 2015, 65, 418-428.	4.0	30
17	Centrifuge Modeling of the Nondestructive Testing of Soil Anchorages. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2013, 139, 880-891.	3.0	1
18	Influence of bearing pressure on liquefaction-induced settlement of shallow foundations. <i>Geotechnique</i> , 2013, 63, 391-399.	4.0	56

#	ARTICLE	IF	CITATIONS
19	Mitigation of Seismic Accelerations by Soft Caissons. International Journal of Geotechnical Earthquake Engineering, 2013, 4, 1-17.	0.6	2
20	Amplification of seismic accelerations at slope crests. Canadian Geotechnical Journal, 2009, 46, 585-594.	2.8	34
21	Observations on Sand Boils from Simple Model Tests. , 2008, , .		1
22	Mitigation of the seismic motion near the edge of cliff-type topographies. Soil Dynamics and Earthquake Engineering, 2007, 27, 1082-1100.	3.8	18
23	Liquefaction remediation by vertical drains with varying penetration depths. Soil Dynamics and Earthquake Engineering, 2006, 26, 469-475.	3.8	20
24	Evaluation of Shear Modulus and Damping in Dynamic Centrifuge Tests. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 1488-1497.	3.0	171
25	Liquefaction and Drainage in Stratified Soil. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2005, 131, 876-885.	3.0	43
26	Rocking and Uplift of a Shallow Wind Turbine Foundation. , 0, , .		0