Shane Donohue

List of Publications by Year
in descending order

39 papers	669 citations	471509 17 h-index	580821 25 g-index
39 all docs	39 docs citations	39 times ranked	572 citing authors

#	Article	IF	Citations
1	Relationship between electrical resistivity and basic geotechnical parameters for marine clays. Canadian Geotechnical Journal, 2012, 49, 1158-1168.	2.8	67
2	Characterization of Norwegian marine clays with combined shear wave velocity and piezocone cone penetration test (CPTU) data. Canadian Geotechnical Journal, 2010, 47, 709-718.	2.8	54
3	In situ shear wave velocity from multichannel analysis of surface waves (MASW) tests at eight Norwegian research sites. Canadian Geotechnical Journal, 2007, 44, 533-544.	2.8	46
4	Geophysical and geotechnical assessment of a railway embankment failure. Near Surface Geophysics, 2011, 9, 33-44.	1.2	43
5	Multiâ€method geophysical mapping of quick clay. Near Surface Geophysics, 2012, 10, 207-219.	1.2	42
6	Assessment of sample quality in soft clay using shear wave velocity and suction measurements. Geotechnique, 2010, 60, 883-889.	4.0	40
7	Time-lapse monitoring of climate effects on earthworks using surface waves. Geophysics, 2016, 81, EN1-EN15.	2.6	38
8	Fourâ€dimensional electrical resistivity tomography for continuous, nearâ€realâ€time monitoring of a landslide affecting transport infrastructure in British Columbia, Canada. Near Surface Geophysics, 2020, 18, 337-351.	1.2	36
9	Delineation of a quick clay zone at SmÃ¸rgrav, Norway, with electromagnetic methods under geotechnical constraints. Journal of Applied Geophysics, 2013, 92, 121-136.	2.1	26
10	Mapping Ground Instability in Areas of Geotechnical Infrastructure Using Satellite InSAR and Small UAV Surveying: A Case Study in Northern Ireland. Geosciences (Switzerland), 2017, 7, 51.	2.2	26
11	Detection of soil compaction using seismic surface waves. Soil and Tillage Research, 2013, 128, 54-60.	5.6	24
12	Deterioration model and condition monitoring of aged railway embankment using non-invasive geophysics. Construction and Building Materials, 2018, 170, 668-678.	7.2	23
13	Engineering characterisation of Norwegian glaciomarine silt. Engineering Geology, 2010, 110, 51-65.	6.3	20
14	Small-strain behaviour and crushability of Ballyconnelly carbonate sand under monotonic and cyclic loading. Canadian Geotechnical Journal, 2018, 55, 979-987.	2.8	19
15	Geophysical and hydrogeological characterisation of the impacts of on-site wastewater treatment discharge to groundwater in a poorly productive bedrock aquifer. Science of the Total Environment, 2015, 523, 109-119.	8.0	18
16	Time-lapse monitoring of fluid-induced geophysical property variations within an unstable earthwork using P-wave refraction. Geophysics, 2016, 81, EN17-EN27.	2.6	18
17	Monopiles subjected to uni- and multi-lateral cyclic loading. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2017, 170, 246-258.	1.6	18
18	Assessment of an MASW Approach Incorporating Discrete Particle Modeling. Journal of Environmental and Engineering Geophysics, 2008, 13, 57-68.	0.5	13

#	Article	IF	Citations
19	Hydrogeological and geophysical properties of the very-slow-moving Ripley Landslide, Thompson River valley, British Columbia. Canadian Journal of Earth Sciences, 2020, 57, 1371-1391.	1.3	13
20	Application of petrophysical relationships to electrical resistivity models for assessing the stability of a landslide in British Columbia, Canada. Engineering Geology, 2022, 301, 106613.	6.3	11
21	Combined use of geophysical and geochemical methods to assess areas of active, degrading and restored blanket bog. Science of the Total Environment, 2018, 621, 762-771.	8.0	10
22	Retaining wall behaviour in Dublin's fluvio-glacial gravel, Ireland. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2012, 165, 289-307.	1.6	9
23	Supporting active learning in an undergraduate geotechnical engineering course using group-based audience response systems quizzes. European Journal of Engineering Education, 2014, 39, 45-54.	2.3	7
24	Aged embankment imaging and assessment using surface waves. Proceedings of the Institution of Civil Engineers: Forensic Engineering, 2016, 169, 149-165.	0.5	7
25	Measurements of permeability of saturated and unsaturated soils. Geotechnique, 2021, 71, 170-177.	4.0	6
26	4D electrical resistivity tomography for assessing the influence of vegetation and subsurface moisture on railway cutting condition. Engineering Geology, 2022, 307, 106790.	6.3	6
27	Characterizing groundwater salinity patternsÂin a coastal sand aquiferÂat Magilligan, Northern Ireland,Âusing geophysical and geotechnical methods. Environmental Earth Sciences, 2022, 81, 1.	2.7	5
28	Strength reduction of till under dynamic pore pressure condition. Geotechnique Letters, 2016, 6, 83-88.	1.2	4
29	The initial, primary and secondary consolidation response of soft clay reinforced with a granular column under isolated loading. Geotechnique, 2021, 71, 467-479.	4.0	4
30	Assessment of Skempton's pore water pressure parameters B and A using a high-capacity tensiometer. Geotechnique, 2021, 71, 110-119.	4.0	4
31	Distributed acoustic sensing for active offshore shear wave profiling. Scientific Reports, 2022, 12, .	3.3	4
32	Behaviour of normally consolidated clay containing isolated solid inclusions. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2018, 171, 345-356.	1.6	3
33	Investigation of failures in Irish raised bogs. Landslides, 2014, 11, 733-743.	5.4	1
34	A comparison of small strain stiffness in till as measured by seismic refraction and barometric loading response. Quarterly Journal of Engineering Geology and Hydrogeology, 2018, 51, 493-502.	1.4	1
35	Behaviour of soft soils following soil mixing in controlled and uncontrolled environments. Proceedings of the Institution of Civil Engineers: Ground Improvement, 0, , 1-33.	1.0	1
36	The Use of Geophysics for Sensitive Clay Investigations. Advances in Natural and Technological Hazards Research, 2014, , 159-178.	1.1	1

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37	Academic Advising in Civil Engineering: Design and Evaluation of a Hybrid Model. Education Sciences, 2022, 12, 326.	2.6	1
38	Evaluation of full scale shear performance of tension anchor foundations: Load displacement curves and failure criteria. Ocean Engineering, 2017, 131, 80-94.	4.3	0
39	Investigating How the Changes in Geotechnical Properties of Sensitive Clays Influence Their Geophysical Properties. Advances in Natural and Technological Hazards Research, 2017, , 87-96.	1.1	0