

Shane Donohue

List of Publications by Year in descending order

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Version: 2024-02-01

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	Characterizing groundwater salinity patterns in a coastal sand aquifer at Magilligan, Northern Ireland, using geophysical and geotechnical methods. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	2.7	5
2	Application of petrophysical relationships to electrical resistivity models for assessing the stability of a landslide in British Columbia, Canada. <i>Engineering Geology</i> , 2022, 301, 106613.	6.3	11
3	Academic Advising in Civil Engineering: Design and Evaluation of a Hybrid Model. <i>Education Sciences</i> , 2022, 12, 326.	2.6	1
4	Distributed acoustic sensing for active offshore shear wave profiling. <i>Scientific Reports</i> , 2022, 12, .	3.3	4
5	4D electrical resistivity tomography for assessing the influence of vegetation and subsurface moisture on railway cutting condition. <i>Engineering Geology</i> , 2022, 307, 106790.	6.3	6
6	The initial, primary and secondary consolidation response of soft clay reinforced with a granular column under isolated loading. <i>Geotechnique</i> , 2021, 71, 467-479.	4.0	4
7	Measurements of permeability of saturated and unsaturated soils. <i>Geotechnique</i> , 2021, 71, 170-177.	4.0	6
8	Assessment of Skempton's pore water pressure parameters α and β using a high-capacity tensiometer. <i>Geotechnique</i> , 2021, 71, 110-119.	4.0	4
9	Hydrogeological and geophysical properties of the very-slow-moving Ripley Landslide, Thompson River valley, British Columbia. <i>Canadian Journal of Earth Sciences</i> , 2020, 57, 1371-1391.	1.3	13
10	Four-dimensional electrical resistivity tomography for continuous, near-real-time monitoring of a landslide affecting transport infrastructure in British Columbia, Canada. <i>Near Surface Geophysics</i> , 2020, 18, 337-351.	1.2	36
11	Behaviour of normally consolidated clay containing isolated solid inclusions. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2018, 171, 345-356.	1.6	3
12	Combined use of geophysical and geochemical methods to assess areas of active, degrading and restored blanket bog. <i>Science of the Total Environment</i> , 2018, 621, 762-771.	8.0	10
13	Deterioration model and condition monitoring of aged railway embankment using non-invasive geophysics. <i>Construction and Building Materials</i> , 2018, 170, 668-678.	7.2	23
14	Small-strain behaviour and crushability of Ballyconnelly carbonate sand under monotonic and cyclic loading. <i>Canadian Geotechnical Journal</i> , 2018, 55, 979-987.	2.8	19
15	A comparison of small strain stiffness in till as measured by seismic refraction and barometric loading response. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2018, 51, 493-502.	1.4	1
16	Evaluation of full scale shear performance of tension anchor foundations: Load displacement curves and failure criteria. <i>Ocean Engineering</i> , 2017, 131, 80-94.	4.3	0
17	Mapping Ground Instability in Areas of Geotechnical Infrastructure Using Satellite InSAR and Small UAV Surveying: A Case Study in Northern Ireland. <i>Geosciences (Switzerland)</i> , 2017, 7, 51.	2.2	26
18	Monopiles subjected to uni- and multi-lateral cyclic loading. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2017, 170, 246-258.	1.6	18

#	ARTICLE	IF	CITATIONS
19	Investigating How the Changes in Geotechnical Properties of Sensitive Clays Influence Their Geophysical Properties. <i>Advances in Natural and Technological Hazards Research</i> , 2017, , 87-96.	1.1	0
20	Strength reduction of till under dynamic pore pressure condition. <i>Geotechnique Letters</i> , 2016, 6, 83-88.	1.2	4
21	Aged embankment imaging and assessment using surface waves. <i>Proceedings of the Institution of Civil Engineers: Forensic Engineering</i> , 2016, 169, 149-165.	0.5	7
22	Time-lapse monitoring of fluid-induced geophysical property variations within an unstable earthwork using P-wave refraction. <i>Geophysics</i> , 2016, 81, EN17-EN27.	2.6	18
23	Time-lapse monitoring of climate effects on earthworks using surface waves. <i>Geophysics</i> , 2016, 81, EN1-EN15.	2.6	38
24	Geophysical and hydrogeological characterisation of the impacts of on-site wastewater treatment discharge to groundwater in a poorly productive bedrock aquifer. <i>Science of the Total Environment</i> , 2015, 523, 109-119.	8.0	18
25	Supporting active learning in an undergraduate geotechnical engineering course using group-based audience response systems quizzes. <i>European Journal of Engineering Education</i> , 2014, 39, 45-54.	2.3	7
26	Investigation of failures in Irish raised bogs. <i>Landslides</i> , 2014, 11, 733-743.	5.4	1
27	The Use of Geophysics for Sensitive Clay Investigations. <i>Advances in Natural and Technological Hazards Research</i> , 2014, , 159-178.	1.1	1
28	Delineation of a quick clay zone at Smårgrov, Norway, with electromagnetic methods under geotechnical constraints. <i>Journal of Applied Geophysics</i> , 2013, 92, 121-136.	2.1	26
29	Detection of soil compaction using seismic surface waves. <i>Soil and Tillage Research</i> , 2013, 128, 54-60.	5.6	24
30	Retaining wall behaviour in Dublin's fluvio-glacial gravel, Ireland. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2012, 165, 289-307.	1.6	9
31	Relationship between electrical resistivity and basic geotechnical parameters for marine clays. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1158-1168.	2.8	67
32	Multi-method geophysical mapping of quick clay. <i>Near Surface Geophysics</i> , 2012, 10, 207-219.	1.2	42
33	Geophysical and geotechnical assessment of a railway embankment failure. <i>Near Surface Geophysics</i> , 2011, 9, 33-44.	1.2	43
34	Engineering characterisation of Norwegian glaciomarine silt. <i>Engineering Geology</i> , 2010, 110, 51-65.	6.3	20
35	Assessment of sample quality in soft clay using shear wave velocity and suction measurements. <i>Geotechnique</i> , 2010, 60, 883-889.	4.0	40
36	Characterization of Norwegian marine clays with combined shear wave velocity and piezocone cone penetration test (CPTU) data. <i>Canadian Geotechnical Journal</i> , 2010, 47, 709-718.	2.8	54

#	ARTICLE	IF	CITATIONS
37	Assessment of an MASW Approach Incorporating Discrete Particle Modeling. Journal of Environmental and Engineering Geophysics, 2008, 13, 57-68.	0.5	13
38	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
39	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