

Alister Smith

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

708
citations

687363

13
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

523
citing authors

#	ARTICLE	IF	CITATIONS
1	Interpretation of uplift pipeline–soil interaction behaviour using acoustic emission measurements. Canadian Geotechnical Journal, 2022, 59, 1321-1333.	2.8	3
2	Automatic classification of landslide kinematics using acoustic emission measurements and machine learning. Landslides, 2021, 18, 2959-2974.	5.4	6
3	Machine learning prediction of landslide deformation behaviour using acoustic emission and rainfall measurements. Engineering Geology, 2021, 293, 106315.	6.3	34
4	Acoustic emission generated by granular soil–steel structure interaction. Geotechnique Letters, 2020, 10, 119-127.	1.2	4
5	Acoustic Emission Sensing of Pipe–Soil Interaction: Full-Scale Pipelines Subjected to Differential Ground Movements. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	3.0	23
6	Acoustic emission generated by glass beads in compression and shearing. Granular Matter, 2019, 21, 1.	2.2	7
7	Acoustic emission behaviour of dense sands. Geotechnique, 2019, 69, 1107-1122.	4.0	25
8	Correlation of acoustic emissions with patterns of movement in an extremely slow-moving landslide at Peace River, Alberta, Canada. Canadian Geotechnical Journal, 2018, 55, 1475-1488.	2.8	29
9	Listening for deterioration and failure: towards smart geotechnical infrastructure. Proceedings of the Institution of Civil Engineers - Smart Infrastructure and Construction, 2018, 171, 131-143.	1.7	3
10	Four–dimensional imaging of moisture dynamics during landslide reactivation. Journal of Geophysical Research F: Earth Surface, 2017, 122, 398-418.	2.8	112
11	Monitoring buried pipe deformation using acoustic emission: quantification of attenuation. International Journal of Geotechnical Engineering, 2017, 11, 418-430.	2.0	22
12	Early detection of first-time slope failures using acoustic emission measurements: large-scale physical modelling. Geotechnique, 2017, 67, 138-152.	4.0	56
13	Photographic feature: Acoustic emission monitoring of coastal slopes in NE England, UK. Quarterly Journal of Engineering Geology and Hydrogeology, 2017, 50, 239-244.	1.4	8
14	Assessment of ground-based monitoring techniques applied to landslide investigations. Geomorphology, 2016, 253, 438-451.	2.6	125
15	Reconstruction of landslide movements by inversion of 4–electrical resistivity tomography monitoring data. Geophysical Research Letters, 2016, 43, 1166-1174.	4.0	45
16	Stability monitoring of a rail slope using acoustic emission. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2015, 168, 373-384.	1.6	32
17	Quantification of landslide velocity from active waveguide–generated acoustic emission. Canadian Geotechnical Journal, 2015, 52, 413-425.	2.8	36
18	Quantification of reactivated landslide behaviour using acoustic emission monitoring. Landslides, 2015, 12, 549-560.	5.4	66

#	ARTICLE	IF	CITATIONS
19	Performance of an Acoustic Emission Monitoring System to Detect Subsurface Ground Movement at Flat Cliffs, North Yorkshire, UK. , 2015, , 117-120.		5
20	Stability monitoring of a rail slope using acoustic emission. Proceedings of the Institution of Civil Engineers: Geotechnical Engineering, 2015, 168, 373-384.	1.6	4
21	Acoustic emission monitoring of a soil slope: Comparisons with continuous deformation measurements. Geotechnique Letters, 2014, 4, 255-261.	1.2	63