

# Alister Smith

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8790759/publications.pdf>

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	Assessment of ground-based monitoring techniques applied to landslide investigations. <i>Geomorphology</i> , 2016, 253, 438-451.	2.6	125
2	Four-dimensional imaging of moisture dynamics during landslide reactivation. <i>Journal of Geophysical Research F: Earth Surface</i> , 2017, 122, 398-418.	2.8	112
3	Quantification of reactivated landslide behaviour using acoustic emission monitoring. <i>Landslides</i> , 2015, 12, 549-560.	5.4	66
4	Acoustic emission monitoring of a soil slope: Comparisons with continuous deformation measurements. <i>Geotechnique Letters</i> , 2014, 4, 255-261.	1.2	63
5	Early detection of first-time slope failures using acoustic emission measurements: large-scale physical modelling. <i>Geotechnique</i> , 2017, 67, 138-152.	4.0	56
6	Reconstruction of landslide movements by inversion of 4D electrical resistivity tomography monitoring data. <i>Geophysical Research Letters</i> , 2016, 43, 1166-1174.	4.0	45
7	Quantification of landslide velocity from active waveguide-generated acoustic emission. <i>Canadian Geotechnical Journal</i> , 2015, 52, 413-425.	2.8	36
8	Machine learning prediction of landslide deformation behaviour using acoustic emission and rainfall measurements. <i>Engineering Geology</i> , 2021, 293, 106315.	6.3	34
9	Stability monitoring of a rail slope using acoustic emission. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2015, 168, 373-384.	1.6	32
10	Correlation of acoustic emissions with patterns of movement in an extremely slow-moving landslide at Peace River, Alberta, Canada. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1475-1488.	2.8	29
11	Acoustic emission behaviour of dense sands. <i>Geotechnique</i> , 2019, 69, 1107-1122.	4.0	25
12	Acoustic Emission Sensing of Pipe-Soil Interaction: Full-Scale Pipelines Subjected to Differential Ground Movements. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2019, 145, .	3.0	23
13	Monitoring buried pipe deformation using acoustic emission: quantification of attenuation. <i>International Journal of Geotechnical Engineering</i> , 2017, 11, 418-430.	2.0	22
14	Photographic feature: Acoustic emission monitoring of coastal slopes in NE England, UK. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2017, 50, 239-244.	1.4	8
15	Acoustic emission generated by glass beads in compression and shearing. <i>Granular Matter</i> , 2019, 21, 1.	2.2	7
16	Automatic classification of landslide kinematics using acoustic emission measurements and machine learning. <i>Landslides</i> , 2021, 18, 2959-2974.	5.4	6
17	Performance of an Acoustic Emission Monitoring System to Detect Subsurface Ground Movement at Flat Cliffs, North Yorkshire, UK. , 2015, , 117-120.		5
18	Acoustic emission generated by granular soil-steel structure interaction. <i>Geotechnique Letters</i> , 2020, 10, 119-127.	1.2	4

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Interpretation of uplift pipeline-soil interaction behaviour using acoustic emission measurements. Canadian Geotechnical Journal, 2022, 59, 1321-1333.	2.8	3