

Michael C R Davies

List of Publications by Year in descending order

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Version: 2024-02-01

43
papers

2,079
citations

257450

24
h-index

276875

41
g-index

45
all docs

45
docs citations

45
times ranked

1303
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnostic quality assessment of IR-prepared 3D magnetic resonance neuroimaging accelerated using compressed sensing and k-space sampling order optimization. <i>Magnetic Resonance Imaging</i> , 2020, 74, 31-45.	1.8	0
2	Multi-shot Echo Planar Imaging for accelerated Cartesian MR Fingerprinting: An alternative to conventional spiral MR Fingerprinting. <i>Magnetic Resonance Imaging</i> , 2019, 61, 20-32.	1.8	10
3	Some key topographic and material controls on debris flows in Scotland. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2015, 48, 212-223.	1.4	17
4	How should we fund open access monographs and what do you think is the most likely way that funding will happen?. <i>Insights: the UKSG Journal</i> , 2014, 27, 45-50.	0.4	3
5	Calibrating the parameters: changing hearts and minds about open access monographs. <i>Insights: the UKSG Journal</i> , 2014, 27, 4-6.	0.4	1
6	Centrifuge modelling of soil slopes containing model plant roots. <i>Canadian Geotechnical Journal</i> , 2012, 49, 1-17.	2.8	40
7	Centrifuge modelling of hillslope debris flow initiation. <i>Catena</i> , 2012, 92, 162-171.	5.0	23
8	Centrifuge modelling of soil slopes reinforced with vegetation. <i>Canadian Geotechnical Journal</i> , 2010, 47, 1415-1430.	2.8	51
9	Resistance of simple plant root systems to uplift loads. <i>Canadian Geotechnical Journal</i> , 2010, 47, 78-95.	2.8	36
10	Normal Fault Rupture Interaction with Strip Foundations. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2009, 135, 359-370.	3.0	56
11	Mechanical Reinforcement of Soil by Willow Roots: Impacts of Root Properties and Root Failure Mechanism. <i>Soil Science Society of America Journal</i> , 2009, 73, 1276-1285.	2.2	128
12	The Performance of Soil Nailed Systems. , 2009, , .		0
13	Numerical analyses of fault-foundation interaction. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 645-675.	4.1	63
14	Centrifuge modelling of normal fault-foundation interaction. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 585-605.	4.1	112
15	Centrifuge modelling of reverse fault-foundation interaction. <i>Bulletin of Earthquake Engineering</i> , 2008, 6, 607-628.	4.1	110
16	Solifluction processes on permafrost and non-permafrost slopes: results of a large-scale laboratory simulation. <i>Permafrost and Periglacial Processes</i> , 2008, 19, 359-378.	3.4	66
17	An investigation of periglacial slope stability in relation to soil properties based on physical modelling in the geotechnical centrifuge. <i>Geomorphology</i> , 2008, 93, 437-459.	2.6	67
18	Fault Rupture Propagation through Sand: Finite-Element Analysis and Validation through Centrifuge Experiments. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 943-958.	3.0	226

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19	Material stiffness, branching pattern and soil matric potential affect the pullout resistance of model root systems. <i>European Journal of Soil Science</i> , 2007, 58, 1471-1481.	3.9	110
20	Field instrumentation for real-time monitoring of periglacial solifluction. <i>Permafrost and Periglacial Processes</i> , 2007, 18, 105-114.	3.4	31
21	Application of electrical imaging to leachate plume evolution studies under in-situ and model conditions. <i>Environmental Geology</i> , 2005, 47, 907-914.	1.2	18
22	An analysis of mechanisms of ice-wedge casting based on geotechnical centrifuge simulations. <i>Geomorphology</i> , 2005, 71, 328-343.	2.6	11
23	Gelifluction: viscous flow or plastic creep?. <i>Earth Surface Processes and Landforms</i> , 2003, 28, 1289-1301.	2.5	42
24	An assessment of miniaturised electrical imaging equipment to monitor pollution plume evolution in scaled centrifuge modelling. <i>Engineering Geology</i> , 2001, 60, 83-94.	6.3	23
25	Centrifuge modelling of capillary rise. <i>Engineering Geology</i> , 2001, 60, 95-106.	6.3	16
26	Scaled physical modelling of mass movement processes on thawing slopes. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 125-135.	3.4	43
27	The assessment of potential geotechnical hazards associated with mountain permafrost in a warming global climate. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 145-156.	3.4	144
28	The effect of rise in mean annual temperature on the stability of rock slopes containing ice-filled discontinuities. <i>Permafrost and Periglacial Processes</i> , 2001, 12, 137-144.	3.4	257
29	A study of low-energy dynamic compaction: field trials and centrifuge modelling. <i>Geotechnique</i> , 2000, 50, 675-681.	4.0	26
30	Soft-sediment deformation during thawing of ice-rich frozen soils: results of scaled centrifuge modelling experiments. <i>Sedimentology</i> , 2000, 47, 687-700.	3.1	47
31	Geotechnical centrifuge modelling of gelifluction processes: validation of a new approach to periglacial slope studies. <i>Annals of Glaciology</i> , 2000, 31, 263-268.	1.4	15
32	Gelifluction: Observations from Large-Scale Laboratory Simulations. <i>Arctic, Antarctic, and Alpine Research</i> , 2000, 32, 202-207.	1.1	25
33	Laboratory measurement of the shear strength of ice-filled rock joints. <i>Annals of Glaciology</i> , 2000, 31, 463-467.	1.4	41
34	Gelifluction: Observations from Large-Scale Laboratory Simulations. <i>Arctic, Antarctic, and Alpine Research</i> , 2000, 32, 202.	1.1	24
35	The Cilfynydd flow slide of December 1939. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 1998, 31, 273-289.	1.4	4
36	Selecting the rate of loading for drained stress path triaxial tests. <i>Geotechnique</i> , 1997, 47, 1063-1067.	4.0	4

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37	Analysis of energy absorption of adiabatic shear plugging in thermoviscoplastic targets. International Journal of Engineering Science, 1997, 35, 365-373.	5.0	3
38	Rates and processes of periglacial solifluction: an experimental approach. Earth Surface Processes and Landforms, 1997, 22, 849-868.	2.5	64
39	An experimental design for laboratory simulation of periglacial solifluction processes. Earth Surface Processes and Landforms, 1996, 21, 67-75.	2.5	22
40	Laboratory simulation of periglacial solifluction: Significance of porewater pressures, moisture contents and undrained shear strengths during soil thawing. Permafrost and Periglacial Processes, 1995, 6, 293-311.	3.4	53
41	Centrifuge tests of embankments on strengthened and unstrengthened clay foundations. Geotechnique, 1985, 35, 425-441.	4.0	27
42	Shear Strength of Clay in Centrifuge Models. Journal of Geotechnical Engineering, 1983, 109, 1331-1337.	0.4	2
43	Determining the shear strength of clay cakes in the centrifuge using a vane. Geotechnique, 1982, 32, 59-62.	4.0	13