David Muir Wood

List of Publications by Year
in descending order

24 papers	1,389 citations	687220 13 h-index	752573 20 g-index
24 all docs	24 docs citations	24 times ranked	980 citing authors

#	Article	IF	Citations
1	Changing grading of soil: effect on critical states. Acta Geotechnica, 2008, 3, 3-14.	2.9	350
2	Dynamic soilâ€“structure interaction of monopile supported wind turbines in cohesive soil. Soil Dynamics and Earthquake Engineering, 2013, 49, 165-180.	1.9	273
3	Particle Crushing and Deformation Behaviour. Soils and Foundations, 2010, 50, 547-563.	1.3	134
4	Localised deformation patterning in 2D granular materials revealed by digital image correlation. Granular Matter, 2010, 12, 1-14.	1.1	101
5	Shaking table testing of geotechnical models. International Journal of Physical Modelling in Geotechnics, 2002, 2, 01-13.	0.5	91
6	Point load tests and strength measurements for brittle spheres. International Journal of Rock Mechanics and Minings Sciences, 2009, 46, 272-280.	2.6	79
7	Crushing of particles in idealised granular assemblies. Journal of the Mechanics and Physics of Solids, 2009, 57, 1293-1313.	2.3	67
8	Some observations of volumetric instabilities in soils. International Journal of Solids and Structures, 2002, 39, 3429-3449.	1.3	66
9	Observations of Stresses and Strains in a Granular Material. Journal of Engineering Mechanics - ASCE, 2009, 135, 1038-1054.	1.6	45
10	Stresses in granular materials. Granular Matter, 2011, 13, 395-415.	1.1	43
11	Memory Surface Hardening Model for Granular Soils under Repeated Loading Conditions. Journal of Engineering Mechanics - ASCE, 2016, 142, .	1.6	41
12	Fibres and soils: A route towards modelling of root-soil systems. Soils and Foundations, 2016, 56, 765-778.	1.3	39
13	Coupled Chemical Shrinkage and Consolidation: Some Benchmark Solutions. Transport in Porous Media, 2014, 105, 349-370.	1.2	13
14	Evaluating modified Cam clay parameters from undrained triaxial compression data using targeted optimization. Canadian Geotechnical Journal, 2012, 49, 1285-1292.	1.4	10
15	Back analysis of the Kanowna Belle stope filling case history. Computers and Geotechnics, 2016, 76, 201-211.	2.3	9
16	A bonding and damage constitutive model for lightly cemented granular material. Computers and Geotechnics, 2020, 127, 103732.	2.3	8
17	Micro-scale geotechnical variability in continental slope and abyssal sediments influenced by the oxygen minimum zone in the Arabian Sea. Deep-Sea Research Part II: Topical Studies in Oceanography, 2000, 47, 281-301.	0.6	5
18	Microscale biogeotechnical differences in intertidal sedimentary ecosystems. Geological Society Special Publication, 1998, 139, 349-366.	0.8	4

#	Article	IF	Citations
19	Particle Crushing in Granular Assemblies. , 2009, , .		3
20	Hierarchical Critical State Models. , 2005, , 459.		2
21	Particle scale features in shearing of glass ballotini. , 2009, , .		2
22	Briefing: Biological routes to improvement of geomaterials. Proceedings of Institution of Civil Engineers: Construction Materials, 2013, 166, 190-194.	0.7	2
23	Granular Materials at Meso and Macro Scale: Photo-Elasticity and Digital Image Correlation. Springer Series in Geomechanics and Geoengineering, 2011, , 353-358.	0.0	2
24	Robin Arthur. Geotechnique, 2018, 68, 184-187.	2.2	0