

Matthew Coop

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3976500/publications.pdf>

Version: 2024-02-01

20
papers

3,581
citations

430874

18
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1545
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle breakage during shearing of a carbonate sand. <i>Geotechnique</i> , 2004, 54, 157-163.	4.0	540
2	The mechanics of uncemented carbonate sands. <i>Geotechnique</i> , 1990, 40, 607-626.	4.0	345
3	The influence of particle characteristics on the behaviour of coarse grained soils. <i>Geotechnique</i> , 2010, 60, 413-423.	4.0	328
4	The mechanics of cemented carbonate sands. <i>Geotechnique</i> , 1993, 43, 53-67.	4.0	313
5	Changes to particle characteristics associated with the compression of sands. <i>Geotechnique</i> , 2011, 61, 459-471.	4.0	289
6	Objective criteria for determining σ_{max} from bender element tests. <i>Geotechnique</i> , 1996, 46, 357-362.	4.0	275
7	An investigation of single sand particle fracture using X-ray micro-tomography. <i>Geotechnique</i> , 2015, 65, 625-641.	4.0	245
8	On the mechanics of structured sands. <i>Geotechnique</i> , 1999, 49, 741-760.	4.0	208
9	Influence of grading on the mechanical behaviour of Stava tailings. <i>Geotechnique</i> , 2011, 61, 935-946.	4.0	173
10	The measurement of local axial strains in triaxial tests using LVDTs. <i>Geotechnique</i> , 1997, 47, 167-171.	4.0	148
11	Isotropic yielding in an artificially cemented soil cured under stress. <i>Geotechnique</i> , 2003, 53, 493-501.	4.0	143
12	Yielding and pre-failure deformation of structured sands. <i>Geotechnique</i> , 1997, 47, 491-508.	4.0	115
13	Effect of Micreinforcement of Soils from Very Small to Large Shear Strains. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 1024-1033.	3.0	112
14	Stiffness of coarse-grained soils at small strains. <i>Geotechnique</i> , 1997, 47, 545-561.	4.0	110
15	Collapse Behavior of Compacted Silty Clay in Suction-Monitored Oedometer Apparatus. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 867-877.	3.0	63
16	A constitutive model for coal-fouled ballast capturing the effects of particle degradation. <i>Computers and Geotechnics</i> , 2014, 61, 96-107.	4.7	57
17	The Development of a New Micro-Mechanical Inter-Particle Loading Apparatus. <i>Geotechnical Testing Journal</i> , 2014, 37, 20120187.	1.0	57
18	The experimental contact behaviour of natural sands: normal and tangential loading. <i>Geotechnique</i> , 2019, 69, 672-686.	4.0	46

#	ARTICLE	IF	CITATIONS
19	Interpretation and modelling of deformation characteristics of a stiff North Sea clay. Canadian Geotechnical Journal, 2006, 43, 341-354.	2.8	8
20	Investigating the effect of unloading on artificial sandstone behaviour using the Discrete Element Method. EPJ Web of Conferences, 2017, 140, 15030.	0.3	1