

# Matthew Coop

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

3,581  
citations

489802

18  
h-index

799663

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1729  
citing authors

#	ARTICLE	IF	CITATIONS
1	The experimental contact behaviour of natural sands: normal and tangential loading. <i>Geotechnique</i> , 2019, 69, 672-686.	2.2	46
2	Investigating the effect of unloading on artificial sandstone behaviour using the Discrete Element Method. <i>EPJ Web of Conferences</i> , 2017, 140, 15030.	0.1	1
3	An investigation of single sand particle fracture using X-ray micro-tomography. <i>Geotechnique</i> , 2015, 65, 625-641.	2.2	245
4	A constitutive model for coal-fouled ballast capturing the effects of particle degradation. <i>Computers and Geotechnics</i> , 2014, 61, 96-107.	2.3	57
5	The Development of a New Micro-Mechanical Inter-Particle Loading Apparatus. <i>Geotechnical Testing Journal</i> , 2014, 37, 20120187.	0.5	57
6	Influence of grading on the mechanical behaviour of Stava tailings. <i>Geotechnique</i> , 2011, 61, 935-946.	2.2	173
7	Changes to particle characteristics associated with the compression of sands. <i>Geotechnique</i> , 2011, 61, 459-471.	2.2	289
8	The influence of particle characteristics on the behaviour of coarse grained soils. <i>Geotechnique</i> , 2010, 60, 413-423.	2.2	328
9	Collapse Behavior of Compacted Silty Clay in Suction-Monitored Oedometer Apparatus. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2007, 133, 867-877.	1.5	63
10	Interpretation and modelling of deformation characteristics of a stiff North Sea clay. <i>Canadian Geotechnical Journal</i> , 2006, 43, 341-354.	1.4	8
11	Effect of Microreinforcement of Soils from Very Small to Large Shear Strains. <i>Journal of Geotechnical and Geoenvironmental Engineering - ASCE</i> , 2005, 131, 1024-1033.	1.5	112
12	Particle breakage during shearing of a carbonate sand. <i>Geotechnique</i> , 2004, 54, 157-163.	2.2	540
13	Isotropic yielding in an artificially cemented soil cured under stress. <i>Geotechnique</i> , 2003, 53, 493-501.	2.2	143
14	On the mechanics of structured sands. <i>Geotechnique</i> , 1999, 49, 741-760.	2.2	208
15	Stiffness of coarse-grained soils at small strains. <i>Geotechnique</i> , 1997, 47, 545-561.	2.2	110
16	The measurement of local axial strains in triaxial tests using LVDTs. <i>Geotechnique</i> , 1997, 47, 167-171.	2.2	148
17	Yielding and pre-failure deformation of structured sands. <i>Geotechnique</i> , 1997, 47, 491-508.	2.2	115
18	Objective criteria for determining $G_{max}$ from bender element tests. <i>Geotechnique</i> , 1996, 46, 357-362.	2.2	275

#	ARTICLE	IF	CITATIONS
19	The mechanics of cemented carbonate sands. <i>Geotechnique</i> , 1993, 43, 53-67.	2.2	313
20	The mechanics of uncemented carbonate sands. <i>Geotechnique</i> , 1990, 40, 607-626.	2.2	345