

Mingjing Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

427
citations

840776

11
h-index

1199594

12
g-index

12
all docs

12
docs citations

12
times ranked

347
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple and efficient approach to capturing bonding effect in naturally microstructured sands by discrete element method. <i>International Journal for Numerical Methods in Engineering</i> , 2007, 69, 1158-1193.	2.8	98
2	Microscopic contact model of lunar regolith for high efficiency discrete element analyses. <i>Computers and Geotechnics</i> , 2013, 54, 104-116.	4.7	51
3	Experimental and DEM analyses on wheel-soil interaction. <i>Journal of Terramechanics</i> , 2018, 76, 15-28.	3.1	48
4	Properties of TJ-1 Lunar Soil Simulant. <i>Journal of Aerospace Engineering</i> , 2012, 25, 463-469.	1.4	46
5	Distinct element method analyses of idealized bonded-granulate cut slope. <i>Granular Matter</i> , 2012, 14, 393-410.	2.2	43
6	DEM investigation of mechanical behavior and strain localization of methane hydrate bearing sediments with different temperatures and water pressures. <i>Engineering Geology</i> , 2017, 223, 92-109.	6.3	42
7	Distinct element simulation of lugged wheel performance under extraterrestrial environmental effects. <i>Acta Astronautica</i> , 2014, 99, 37-51.	3.2	27
8	DEM simulation of soil-tool interaction under extraterrestrial environmental effects. <i>Journal of Terramechanics</i> , 2017, 71, 1-13.	3.1	25
9	DEM analyses of shear band in granular materials. <i>Engineering Computations</i> , 2015, 32, 985-1005.	1.4	14
10	DEM modeling of cantilever retaining excavations: implications for lunar constructions. <i>Engineering Computations</i> , 2016, 33, .	1.4	13
11	Investigation of the effect of different gravity conditions on penetration mechanisms by the Distinct Element Method. <i>Engineering Computations</i> , 2015, 32, 2067-2099.	1.4	12
12	Noncoaxial Behavior of a Highly Angular Granular Material Subjected to Stress Variations in Simple Vertical Excavation. <i>International Journal of Geomechanics</i> , 2016, 16, .	2.7	8