Ehsan Seyedi Hosseininia

List of Publications by Year
in descending order

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33 papers	539 citations	687363 13 h-index	642732 23 g-index
35 all docs	35 docs citations	35 times ranked	369 citing authors

#	Article	IF	Citations
1	Numerical simulation of breakage of two-dimensional polygon-shaped particles using discrete element method. Powder Technology, 2006, 166, 100-112.	4.2	92
2	Investigating the micromechanical evolutions within inherently anisotropic granular materials using discrete element method. Granular Matter, 2012, 14, 483-503.	2.2	69
3	Discrete element modeling of inherently anisotropic granular assemblies with polygonal particles. Particuology, 2012, 10, 542-552.	3.6	42
4	Comparison between Two Different Pluviation Setups of Sand Specimens. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	30
5	Bearing capacity of ring footings on cohesionless soil under eccentric load. Computers and Geotechnics, 2017, 92, 169-178.	4.7	30
6	Elastic settlement of ring foundations. Soils and Foundations, 2015, 55, 284-295.	3.1	27
7	An experimental investigation on stable arch formation in cohesionless granular materials using developed trapdoor test. Powder Technology, 2018, 330, 137-146.	4.2	27
8	Stressâ€“forceâ€“fabric relationship for planar granular materials. Geotechnique, 2013, 63, 830-841.	4.0	24
9	Numerical simulation of two-tier geosynthetic-reinforced-soil walls using two-phase approach. Computers and Geotechnics, 2018, 100, 15-29.	4.7	22
10	Effect of particle breakage on the behavior of simulated angular particle assemblies. Particuology: Science and Technology of Particles, 2007, 5, 328-336.	0.4	21
11	Bearing Capacity Factors of Ring Footings by Using the Method of Characteristics. Geotechnical and Geological Engineering, 2017, 35, 2137-2146.	1.7	20
12	A micromechanical study on the stress rotation in granular materials due to fabric evolution. Powder Technology, 2015, 283, 462-474.	4.2	16
13	Bearing Capacity Factors of Ring Footings. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2016, 40, 121-132.	1.9	15
14	Experimental investigation on the behavior of fine-grained soils containing waste rubber tires under repeated and static loading using direct shear apparatus. Construction and Building Materials, 2019, 223, 106-119.	7.2	15
15	A simplified two-phase macroscopic model for reinforced soils. Geotextiles and Geomembranes, 2010, 28, 85-92.	4.6	13
16	A modification to dense sand dynamic simulation capability of Pastorâ€“Zienkiewiczâ€“Chan model. Acta Geotechnica, 2014, 9, 343-353.	5.7	13
17	A Numerical Investigation on the Performance of the Brick Stair Wall as a Supporting Structure by Considering Adjacent Building. KSCE Journal of Civil Engineering, 2019, 23, 1513-1521.	1.9	9
18	Particulate Modeling of Sand Production Using Coupled DEM-LBM. Energies, 2021, 14, 906.	3.1	9

#	Article	IF	Citations
19	Development and Validation of a Two-Phase Model for Reinforced Soil by Considering Nonlinear Behavior of Matrix. Journal of Engineering Mechanics - ASCE, 2010, 136, 721-735.	2.9	8
20	Mechanical behavior modeling of sand-rubber chips mixtures using discrete element method (DEM). , 2013, , .		8
21	Numerical Investigation on the Deformational Behavior of Continuous Buried Pipelines Under Reverse Faulting. Arabian Journal for Science and Engineering, 2020, 45, 8475-8490.	3.0	6
22	Investigating the Practical Conditions to Utilize Brick Stair Wall Method as a Supporting Structure in Urban Excavation. , 2020, , .		5
23	A non-linear two-phase model for reinforced soils. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2011, 164, 203-211.	1.0	4
24	Instability of saturated granular materials in biaxial loading with polygonal particles using discrete element Method (DEM). Powder Technology, 2020, 363, 428-441.	4.2	4
25	A simplified solution for piled-raft foundation analysis by using the two-phase approach. Comptes Rendus - Mecanique, 2019, 347, 716-733.	2.1	3
26	A study on the effect of particle shape and fragmentation on the mechanical behavior of granular materials using discrete element method. , 2013, , .		2
27	An Experimental Investigation on the Generation of a Stable Arch in Granular Materials Using a Developed Trapdoor Apparatus. EPJ Web of Conferences, 2017, 140, 10002.	0.3	1
28	Effect of Load Eccentricity on the Bearing Capacity of Ring Footings. , 2018, , 490-497.		1
29	Two-Phase Approach for the Analysis of Laterally Loaded Pile Groups in Sandy Soils. International Journal of Geomechanics, 2020, 20, 04020182.	2.7	1
30	Numerical Analyses with an Equivalent Continuum Constitutive Model for Reinforced Soils with Angled Bar Components. Springer Series in Geomechanics and Geoengineering, 2018, , 394-397.	0.1	0
31	3D analysis of a micropile umbrella for stabilizing the tunnel face of aNATM tunnel. , 2010, , 765-770.		0
32	Estimated settlements during the Brescia Metrobus tunnel excavation. , 2010, , 789-794.		0
33	A non-linear two-phase model for reinforced soils. Proceedings of the Institution of Civil Engineers: Ground Improvement, 2011, , .	1.0	0