Mehdi Omidvar

List of Publications by Year
in descending order

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33 papers	958 citations	516215 16 h-index	580395 25 g-index
33 all docs	33 docs citations	33 times ranked	627 citing authors

#	Article	IF	Citations
1	A Mixed-Reality Pedagogical Innovation in the Reality of a New Normal. , 2021, , .		3
2	Visualizing the effect of Fin length on torpedo anchor penetration and pullout using a transparent soil. Ocean Engineering, 2020, 216, 108021.	1.9	22
3	Recent Insights into Penetration of Sand and Similar Granular Materials. Shock Wave and High Pressure Phenomena, 2019, , 137-163.	0.1	9
4	Hydrocode Modeling of Torpedo Anchor Installation in Soils. , 2018, , .		0
5	Interactive Web Application for Computing Seismic Earth Pressure. , 2018, , .		0
6	Soil Deformations During Casing Jacking and Extraction of Expanded-Shoe Piles, Using Model Tests. Geotechnical and Geological Engineering, 2017, 35, 809-826.	0.8	14
7	Soil Deformations during Finless Torpedo Installation. , 2017, , .		0
8	Particle rotation of granular materials in plane strain. International Journal of Physical Modelling in Geotechnics, 2017, 17, 23-40.	0.5	9
9	Guidelines for DIC in geotechnical engineering research. International Journal of Physical Modelling in Geotechnics, 2017, 17, 3-22.	0.5	25
10	Soilâ€“projectile interactions during low velocity penetration. International Journal of Impact Engineering, 2016, 93, 211-221.	2.4	33
11	Visualizing the Fundamental Physics of Rapid Earth Penetration Using Transparent Soils. , 2015, , .		1
12	Global Observations & Post Mortem Analysis of Penetration in Sand. , 2015, , 145-185.		4
13	High-Speed Penetration of Granular Geomaterials. , 2015, , 93-144.		2
14	Phenomenology of rapid projectile penetration into granular soils. International Journal of Impact Engineering, 2015, 85, 146-160.	2.4	39
15	Image-Based Lagrangian Analysis of Granular Kinematics. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	36
16	Visualizing Kinematics of Dynamic Penetration in Granular Media Using Transparent Soils. Geotechnical Testing Journal, 2015, 38, 20140206.	0.5	34
17	A Nonviscous Water-Based Pore Fluid for Modeling With Transparent Soils. Geotechnical Testing Journal, 2015, 38, 20140278.	0.5	16
18	Mesoscale Observations of Dynamic Penetration in Granular Media Using Transparent Soils. , 2015, , 377-413.		1

#	Article	IF	Citations
19	Response of granular media to rapid penetration. International Journal of Impact Engineering, 2014, 66, 60-82.	2.4	115
20	A transparent aqueous-saturated sand surrogate for use in physical modeling. Acta Geotechnica, 2014, 9, 187-206.	2.9	82
21	Modelling of projectile penetration using transparent soils. International Journal of Physical Modelling in Geotechnics, 2014, 14, 68-79.	0.5	38
22	Poncelet Coefficients of Granular Media. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 373-380.	0.3	5
23	Photonic Doppler Velocimetry for Study of Rapid Penetration into Sand. Geotechnical Testing Journal, 2014, 37, 20130037.	0.5	21
24	Active static and seismic earth pressure for câ€“ït soils. Soils and Foundations, 2013, 53, 639-652.	1.3	44
25	Rankine pseudo-static earth pressure for câ€“ï• soils. Mechanics Research Communications, 2013, 51, 51-55.	1.0	13
26	Conjugate Stress Approach for Rankine Seismic Active Earth Pressure in Cohesionless Soils. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 1205-1210.	1.5	14
27	Stress-strain behavior of sand at high strain rates. International Journal of Impact Engineering, 2012, 49, 192-213.	2.4	208
28	APPLICATION OF HOMOTOPY PERTURBATION AND VARIATIONAL ITERATION METHODS TO SIR EPIDEMIC MODEL. Journal of Mechanics in Medicine and Biology, 2011, 11, 149-161.	0.3	11
29	Infiltration in unsaturated soils â€“ An analytical approach. Computers and Geotechnics, 2011, 38, 777-782.	2.3	28
30	Seismic displacement analysis of embankment dams with reinforced cohesive shell. Soil Dynamics and Earthquake Engineering, 2010, 30, 1149-1157.	1.9	26
31	The effect of structures on the wave-induced liquefaction potential of seabed sand deposits. Applied Ocean Research, 2009, 31, 25-30.	1.8	9
32	Application of Homotopy Perturbation Method and Variational Iteration Method to Nonlinear Oscillator Differential Equations. Acta Applicandae Mathematicae, 2008, 104, 161-171.	0.5	69
33	Variational Iteration Method and Homotopy-Perturbation Method for Solving Burgers Equation in Fluid Dynamics. Journal of Applied Sciences, 2008, 8, 369-373.	0.1	27