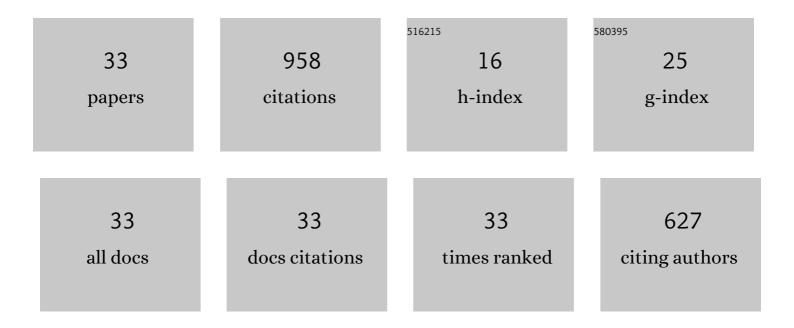
Mehdi Omidvar

List of Publications by Year in descending order

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Μεήδι Ομισυλά

#	Article	IF	CITATIONS
1	Stress-strain behavior of sand at high strain rates. International Journal of Impact Engineering, 2012, 49, 192-213.	2.4	208
2	Response of granular media to rapid penetration. International Journal of Impact Engineering, 2014, 66, 60-82.	2.4	115
3	A transparent aqueous-saturated sand surrogate for use in physical modeling. Acta Geotechnica, 2014, 9, 187-206.	2.9	82
4	Application of Homotopy Perturbation Method and Variational Iteration Method to Nonlinear Oscillator Differential Equations. Acta Applicandae Mathematicae, 2008, 104, 161-171.	0.5	69
5	Active static and seismic earth pressure for c–Ĩ† soils. Soils and Foundations, 2013, 53, 639-652.	1.3	44
6	Phenomenology of rapid projectile penetration into granular soils. International Journal of Impact Engineering, 2015, 85, 146-160.	2.4	39
7	Modelling of projectile penetration using transparent soils. International Journal of Physical Modelling in Geotechnics, 2014, 14, 68-79.	0.5	38
8	Image-Based Lagrangian Analysis of Granular Kinematics. Journal of Computing in Civil Engineering, 2015, 29, .	2.5	36
9	Visualizing Kinematics of Dynamic Penetration in Granular Media Using Transparent Soils. Geotechnical Testing Journal, 2015, 38, 20140206.	0.5	34
10	Soil–projectile interactions during low velocity penetration. International Journal of Impact Engineering, 2016, 93, 211-221.	2.4	33
11	Infiltration in unsaturated soils $\hat{a} \in$ " An analytical approach. Computers and Geotechnics, 2011, 38, 777-782.	2.3	28
12	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
13	Seismic displacement analysis of embankment dams with reinforced cohesive shell. Soil Dynamics and Earthquake Engineering, 2010, 30, 1149-1157.	1.9	26
14	Guidelines for DIC in geotechnical engineering research. International Journal of Physical Modelling in Geotechnics, 2017, 17, 3-22.	0.5	25
15	Visualizing the effect of Fin length on torpedo anchor penetration and pullout using a transparent soil. Ocean Engineering, 2020, 216, 108021.	1.9	22
16	Photonic Doppler Velocimetry for Study of Rapid Penetration into Sand. Geotechnical Testing Journal, 2014, 37, 20130037.	0.5	21
17	A Nonviscous Water-Based Pore Fluid for Modeling With Transparent Soils. Geotechnical Testing Journal, 2015, 38, 20140278.	0.5	16
18	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

Mehdi Omidvar

#	Article	IF	CITATIONS
19	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
20	Rankine pseudo-static earth pressure for c–i̇́• soils. Mechanics Research Communications, 2013, 51, 51-55.	1.0	13
21	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
22	The effect of structures on the wave-induced liquefaction potential of seabed sand deposits. Applied Ocean Research, 2009, 31, 25-30.	1.8	9
23	Particle rotation of granular materials in plane strain. International Journal of Physical Modelling in Geotechnics, 2017, 17, 23-40.	0.5	9
24	Recent Insights into Penetration of Sand and Similar Granular Materials. Shock Wave and High Pressure Phenomena, 2019, , 137-163.	0.1	9
25	Poncelet Coefficients of Granular Media. Conference Proceedings of the Society for Experimental Mechanics, 2014, , 373-380.	0.3	5
26	Global Observations & amp; Post Mortem Analysis of Penetration in Sand. , 2015, , 145-185.		4
27	A Mixed-Reality Pedagogical Innovation in the Reality of a New Normal. , 2021, , .		3
28	High-Speed Penetration of Granular Geomaterials. , 2015, , 93-144.		2
29	Visualizing the Fundamental Physics of Rapid Earth Penetration Using Transparent Soils. , 2015, , .		1
30	Mesoscale Observations of Dynamic Penetration in Granular Media Using Transparent Soils. , 2015, , 377-413.		1
31	Soil Deformations during Finless Torpedo Installation. , 2017, , .		Ο
32	Hydrocode Modeling of Torpedo Anchor Installation in Soils. , 2018, , .		0
33	Interactive Web Application for Computing Seismic Earth Pressure. , 2018, , .		Ο