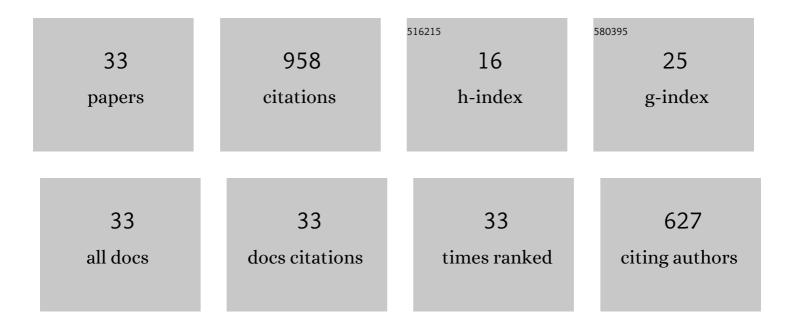
## Mehdi Omidvar

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1801904/publications.pdf Version: 2024-02-01



#	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, , .		Ο
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	Soil–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 & amp; 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, ,		1

<sup>8</sup> 377-413.

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#	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 c‑φ 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 – 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