

# Mahmoud N Hussien

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

537  
citations

687220

13  
h-index

677027

22  
g-index

27  
all docs

27  
docs citations

27  
times ranked

355  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of vertical loads on lateral response of pile foundations in sands and clays. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2017, 9, 291-304.	3.7	60
2	On the influence of vertical loads on the lateral response of pile foundation. <i>Computers and Geotechnics</i> , 2014, 55, 392-403.	2.3	53
3	Shear wave velocity as a geotechnical parameter: an overview. <i>Canadian Geotechnical Journal</i> , 2016, 53, 252-272.	1.4	49
4	Soil-pile-structure kinematic and inertial interaction observed in geotechnical centrifuge experiments. <i>Soil Dynamics and Earthquake Engineering</i> , 2016, 89, 75-84.	1.9	40
5	On the behaviour of pile groups under combined lateral and vertical loading. <i>Ocean Engineering</i> , 2017, 131, 174-185.	1.9	38
6	Soil-pile separation effect on the performance of a pile group under static and dynamic lateral loads. <i>Canadian Geotechnical Journal</i> , 2010, 47, 1234-1246.	1.4	33
7	Measuring shear wave velocity of granular material using the piezoelectric ring-actuator technique (P-RAT). <i>Canadian Geotechnical Journal</i> , 2015, 52, 1302-1317.	1.4	33
8	Influence of particle size and gradation on shear strength-dilation relation of granular materials. <i>Canadian Geotechnical Journal</i> , 2019, 56, 208-227.	1.4	26
9	Kinematic and inertial forces in pile foundations under seismic loading. <i>Computers and Geotechnics</i> , 2015, 69, 166-181.	2.3	25
10	Framework to assess pseudo-static approach for seismic stability of clayey slopes. <i>Canadian Geotechnical Journal</i> , 2018, 55, 1860-1876.	1.4	25
11	Vertical loads effect on the lateral pile group resistance in sand. <i>Geomechanics and Geoengineering</i> , 2012, 7, 263-282.	0.9	24
12	Shear wave velocity as function of cone penetration resistance and grain size for Holocene-age uncemented soils: a new perspective. <i>Acta Geotechnica</i> , 2017, 12, 1129-1158.	2.9	20
13	Stiffness and damping-strain curves of sensitive Champlain clays through experimental and analytical approaches. <i>Canadian Geotechnical Journal</i> , 2019, 56, 364-377.	1.4	16
14	Numerical investigation of the lateral response of battered pile foundations. <i>International Journal of Geotechnical Engineering</i> , 2017, 11, 376-392.	1.1	13
15	Use of pore pressure build-up as damage metric in computation of equivalent number of uniform strain cycles. <i>Canadian Geotechnical Journal</i> , 2018, 55, 538-550.	1.4	13
16	Liquefaction resistance from cyclic simple and triaxial shearing: a comparative study. <i>Acta Geotechnica</i> , 2021, 16, 1735-1753.	2.9	13
17	Vertical Load Effects on the Lateral Response of Piles in Layered Media. <i>International Journal of Geomechanics</i> , 2017, 17, .	1.3	9
18	Experimental and numerical investigation of the Saint-Adelpe landslide after the 1988 Saguenay earthquake. <i>Canadian Geotechnical Journal</i> , 2020, 57, 1936-1952.	1.4	8

#	ARTICLE	IF	CITATIONS
19	Load sharing ratio of pile-raft system in loose sand: an experimental investigation. International Journal of Geotechnical Engineering, 2017, 11, 524-529.	1.1	7
20	Robustness of the P-RAT in the Shear-Wave Velocity Measurement of Soft Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2019, 145, .	1.5	7
21	Investigation of small- to large-strain moduli correlations of normally consolidated granular soils. Canadian Geotechnical Journal, 2021, 58, 1-22.	1.4	6
22	Piezoelectric Ring-Actuator Technique: In-Depth Scrutiny of Interpretation Method. Geotechnical Testing Journal, 2021, 44, 205-215.	0.5	6
23	Assessment of Conventional Interpretation Methods of RC Results Based on 3D Numerical Simulations. International Journal of Geomechanics, 2018, 18, 04018160.	1.3	4
24	Adjustment of spectral pseudo-static approach to account for soil plasticity and zone seismicity. Canadian Geotechnical Journal, 2019, 56, 173-186.	1.4	4
25	Analysis of Characteristic Frequencies of Coupled Soil-Pile-Structure Systems. International Journal of Geomechanics, 2018, 18, 04018047.	1.3	3
26	Micromechanics-based assessment of reliability and applicability of boundary measurements in symmetrical direct shear test. Canadian Geotechnical Journal, 2018, 55, 397-413.	1.4	2
27	Erratum for "Analysis of Characteristic Frequencies of Coupled Soil-Pile-Structure Systems" by Mahmoud N. Hussien, Susumu Iai, and Mourad Karray. International Journal of Geomechanics, 2018, 18, 08218001.	1.3	0