David Guillermo Zapata-Medina

List of Publications by Year
in descending order

32	291	1163117 8	940533 16
papers	citations	h-index	g-index

32	32	32	184
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An open-source application software to determine the preconsolidation pressure of soils in incremental loading oedometer testing: pySigmaP. SoftwareX, 2022, 17, 100990.	2.6	1
2	Reconstituted Compressibility Response of Central Florida Sands. , 2022, , .		0
3	Intralayer Variability and Compressibility of Hawthorn Group Soils. Geotechnical and Geological Engineering, 2022, 40, 3511-3530.	1.7	2
4	Construction-induced effects in a cofferdam excavation using Hypoplasticity and Shotcrete models. Tunnelling and Underground Space Technology, 2022, 124, 104446.	6.2	0
5	Stress History Effects on Shear Stiffness Degradation under Compression Paths of Hawthorn Group Clays in Central Florida. , 2021, , .		2
6	Stiffness and strength anisotropy of overconsolidated Bootlegger Cove clays. Canadian Geotechnical Journal, 2020, 57, 1652-1663.	2.8	4
7	Investigating Nonlinear and Time-Dependent Response of Concrete on the Performance of Urban Cofferdams. , 2019, , .		0
8	Compressibility of biocemented loose sands under constant rate of strain, loading, and pseudo K-triaxial conditions. Soils and Foundations, 2019, 59, 1440-1455.	3.1	9
9	On the use of Fredlund gasâ€“fluid compressibility relationship to model medium-dense gassy sand behavior. Canadian Geotechnical Journal, 2019, 56, 1070-1079.	2.8	10
10	Performance of Urban Cofferdams Braced with Segmental Steel and Reinforced Concrete Ring Beams. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2018, 144, .	3.0	6
11	Elastic behavior of stiffened curved plates subjected to transverse loading. DYNA (Colombia), 2018, 85, 83-89.	0.4	3
12	Temperature and Concrete Time-Dependent Effects on Urban Cofferdams. , 2018, , .		0
13	One-Dimensional Compressibility Behavior of Overconsolidated Bootlegger Cove Clays. , 2018, , .		0
14	Empirical Method to Estimate Lateral Wall Deformation Profiles and Bending Moment in Excavation Retaining Walls. , 2018, , .		2
15	Static and Dynamic Stability of a Multi-stepped Timoshenko Column Including Self-weight. Structures, 2018, 15, 28-42.	3.6	3
16	Liquefaction Analyses of the Port of Long Beach Using the UBC3D-PLM Constitutive Soil Model. , 2017, , .		3
17	Ultimate strength of transversal T-branch plate-to-CHS connections under compression. Thin-Walled Structures, 2017, 112, 92-97.	5.3	10
18	Blast densification: A proposed methodology to quantify the amount of densification required to prevent liquefaction and flow in sandy soils. Revista Facultad De IngenierÃa, 2016, , .	0.5	0

#	Article	IF	Citations
19	Elastoplastic behavior of longitudinally stiffened girder webs subjected to patch loading and bending. DYNA (Colombia), 2015, 82, 103-109.	0.4	1
20	Analysis of Bender Element signals during triaxial testing. Revista Facultad De IngenierÃa, 2015, , .	0.5	4
21	Effect of longitudinal stiffening on bridge girder webs at incremental launching stage. Ingenieria E Investigacion, 2015, 35, 24-30.	0.4	7
22	Effect of Gas on the Mechanical Behavior of Medium-Dense Sands. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	24
23	Effects of Construction-Induced Stresses on Dynamic Soil Parameters of Bootlegger Cove Clays. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, .	3.0	10
24	Stress history and sampling disturbance effects on monotonic and cyclic responses of overconsolidated Bootlegger Cove clays. Canadian Geotechnical Journal, 2014, 51, 599-609.	2.8	15
25	Monitoring and groundwater/gas sampling in sands densified with explosives. DYNA (Colombia), 2014, 81, 168.	0.4	1
26	Defining Y2 Yielding From Cyclic Triaxial Tests. Geotechnical Testing Journal, 2013, 36, 660-669.	1.0	0
27	Method for Estimating System Stiffness for Excavation Support Walls. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2012, 138, 1104-1115.	3.0	67
28	Static Stability Formulas of a Weakened Timoshenko Column: Effects of Shear Deformations. Journal of Engineering Mechanics - ASCE, 2010, 136, 1528-1536.	2.9	15
29	Direct Approach for Designing an Excavation Support System to Limit Ground Movements. , 2010, , .		5
30	Timoshenko beam-column with generalized end conditions on elastic foundation: Dynamic-stiffness matrix and load vector. Journal of Sound and Vibration, 2008, 310, 1057-1079.	3.9	54
31	Physical Modeling of Supported Excavations. , 2007, , 1.		3
32	Stability and natural frequencies of a weakened Timoshenko beam-column with generalized end conditions under constant axial load. Journal of Sound and Vibration, 2007, 307, 89-112.	3.9	30