

Juan Carlos Quezada

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

146
citations

1163117

8
h-index

1199594

12
g-index

20
all docs

20
docs citations

20
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of the Influence of the Mastic Coating of Untreated Reclaimed Asphalt Pavement on the Permanent and Resilient Behavior. <i>Journal of Testing and Evaluation</i> , 2022, 50, 20210200.	0.7	0
2	Discrete Modelling of 2PB Complex Modulus Test of Hot Asphalt Mixes Using Irregular Aggregates. <i>RILEM Bookseries</i> , 2022, , 567-573.	0.4	0
3	Multiscale analysis of tire and asphalt pavement interaction via coupling FEM–DEM simulation. <i>Engineering Structures</i> , 2022, 256, 113925.	5.3	17
4	Discrete element modelling of hot mix asphalt complex modulus using realistic aggregate shapes. <i>Road Materials and Pavement Design</i> , 2022, 23, 178-195.	4.0	4
5	Modelling size effect on rock aggregates strength using a DEM bonded-cell model. <i>Acta Geotechnica</i> , 2021, 16, 699-709.	5.7	11
6	Discrete modeling of waste rock dumps stability under seismic loading. <i>EPJ Web of Conferences</i> , 2021, 249, 11013.	0.3	2
7	Contact Dynamics modeling of viscoelastic granular materials using irregular polyhedral particles. <i>EPJ Web of Conferences</i> , 2021, 249, 11014.	0.3	0
8	Three-dimensional simulation of asphalt mixture incorporating aggregate size and morphology distribution based on contact dynamics method. <i>Construction and Building Materials</i> , 2021, 302, 124124.	7.2	14
9	Complex modulus modeling of asphalt concrete mixes using the Non-Smooth Contact Dynamics method. <i>Computers and Geotechnics</i> , 2020, 117, 103255.	4.7	8
10	Resilient modulus prediction of RAP using the Contact Dynamics Method. <i>Transportation Geotechnics</i> , 2020, 24, 100371.	4.5	5
11	Study of the mechanical behaviour of reclaimed asphalt aggregates without binder addition. <i>E3S Web of Conferences</i> , 2019, 92, 10004.	0.5	1
12	Thermo-hydro-mechanical behaviour of cold reclaimed asphalt aggregates without binder addition. <i>Road Materials and Pavement Design</i> , 2019, 20, S49-S63.	4.0	7
13	Effect of glass fibre grids on the bonding strength between two asphalt layers and its Contact Dynamics method modelling. <i>Road Materials and Pavement Design</i> , 2019, 20, 1164-1181.	4.0	14
14	Randomly-fluctuating heterogeneous continuum model of a ballasted railway track. <i>Computational Mechanics</i> , 2017, 60, 845-861.	4.0	14
15	Shear test on viscoelastic granular material using Contact Dynamics simulations. <i>EPJ Web of Conferences</i> , 2017, 140, 08009.	0.3	3
16	Predicting the settlement of coarse granular materials under vertical loading. <i>Scientific Reports</i> , 2015, 4, 5707.	3.3	8
17	Penetration test in coarse granular material using Contact Dynamics Method. <i>Computers and Geotechnics</i> , 2014, 55, 248-253.	4.7	22
18	Penetration strength of coarse granular materials from DEM simulations. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Settlement statistics of a granular layer composed of polyhedral particles. , 2013, , .		0
20	Stability, deformation, and variability of granular fills composed of polyhedral particles. Physical Review E, 2012, 86, 031308.	2.1	16