

# Juan Carlos Quezada

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/557493/publications.pdf>

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	Penetration test in coarse granular material using Contact Dynamics Method. Computers and Geotechnics, 2014, 55, 248-253.	4.7	22
2	Multiscale analysis of tire and asphalt pavement interaction via coupling FEM–DEM simulation. Engineering Structures, 2022, 256, 113925.	5.3	17
3	Stability, deformation, and variability of granular fills composed of polyhedral particles. Physical Review E, 2012, 86, 031308.	2.1	16
4	Randomly-fluctuating heterogeneous continuum model of a ballasted railway track. Computational Mechanics, 2017, 60, 845-861.	4.0	14
5	Effect of glass fibre grids on the bonding strength between two asphalt layers and its Contact Dynamics method modelling. Road Materials and Pavement Design, 2019, 20, 1164-1181.	4.0	14
6	Three-dimensional simulation of asphalt mixture incorporating aggregate size and morphology distribution based on contact dynamics method. Construction and Building Materials, 2021, 302, 124124.	7.2	14
7	Modelling size effect on rock aggregates strength using a DEM bonded-cell model. Acta Geotechnica, 2021, 16, 699-709.	5.7	11
8	Predicting the settlement of coarse granular materials under vertical loading. Scientific Reports, 2015, 4, 5707.	3.3	8
9	Complex modulus modeling of asphalt concrete mixes using the Non-Smooth Contact Dynamics method. Computers and Geotechnics, 2020, 117, 103255.	4.7	8
10	Thermo-hydro-mechanical behaviour of cold reclaimed asphalt aggregates without binder addition. Road Materials and Pavement Design, 2019, 20, S49-S63.	4.0	7
11	Resilient modulus prediction of RAP using the Contact Dynamics Method. Transportation Geotechnics, 2020, 24, 100371.	4.5	5
12	Discrete element modelling of hot mix asphalt complex modulus using realistic aggregate shapes. Road Materials and Pavement Design, 2022, 23, 178-195.	4.0	4
13	Shear test on viscoelastic granular material using Contact Dynamics simulations. EPJ Web of Conferences, 2017, 140, 08009.	0.3	3
14	Discrete modeling of waste rock dumps stability under seismic loading. EPJ Web of Conferences, 2021, 249, 11013.	0.3	2
15	Study of the mechanical behaviour of reclaimed asphalt aggregates without binder addition. E3S Web of Conferences, 2019, 92, 10004.	0.5	1
16	Penetration strength of coarse granular materials from DEM simulations. , 2013, , .		0
17	Settlement statistics of a granular layer composed of polyhedral particles. , 2013, , .		0
18	Contact Dynamics modeling of viscoelastic granular materials using irregular polyhedral particles. EPJ Web of Conferences, 2021, 249, 11014.	0.3	0

#	ARTICLE	IF	CITATIONS
19	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
20	Discrete Modelling of 2PB Complex Modulus Test of Hot Asphalt Mixes Using Irregular Aggregates. <i>RILEM Bookseries</i> , 2022, , 567-573.	0.4	0