

Roberto Arevalo

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

496
citations

840728

11
h-index

1058452

14
g-index

16
all docs

16
docs citations

16
times ranked

400
citing authors

#	ARTICLE	IF	CITATIONS
1	Silo Clogging Reduction by the Presence of an Obstacle. <i>Physical Review Letters</i> , 2011, 107, 278001.	7.8	161
2	Topology of the force network in the jamming transition of an isotropically compressed granular packing. <i>Physical Review E</i> , 2010, 81, 041302.	2.1	72
3	Identification of arches in two-dimensional granular packings. <i>Physical Review E</i> , 2006, 74, 021303.	2.1	47
4	Topological analysis of tapped granular media using persistent homology. <i>Physical Review E</i> , 2014, 89, 052212.	2.1	40
5	Clogging of granular materials in silos: effect of gravity and outlet size. <i>Soft Matter</i> , 2016, 12, 123-130.	2.7	39
6	TOPOLOGICAL PROPERTIES OF THE CONTACT NETWORK OF GRANULAR MATERIALS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2009, 19, 695-702.	1.7	31
7	Role of driving force on the clogging of inert particles in a bottleneck. <i>Physical Review E</i> , 2014, 89, 042205.	2.1	30
8	Contact network topology in tapped granular media. <i>Physical Review E</i> , 2013, 87, 022203.	2.1	23
9	Clogging and unclogging of many-particle systems passing through a bottleneck. <i>EPJ Web of Conferences</i> , 2017, 140, 01002.	0.3	14
10	THIRD ORDER LOOPS OF CONTACTS IN A GRANULAR FORCE NETWORK. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010, 20, 897-903.	1.7	12
11	Size and density avalanche scaling near jamming. <i>Soft Matter</i> , 2014, 10, 2728.	2.7	11
12	Collisional regime during the discharge of a two-dimensional silo. <i>Physical Review E</i> , 2022, 105, 044901.	2.1	6
13	CFD Analysis of Co-firing of Coke and Biomass in a Parallel Flow Regenerative Lime Kiln. <i>Waste and Biomass Valorization</i> , 2022, 13, 4925-4949.	3.4	6
14	Tapped granular packings described as complex networks. <i>Philosophical Magazine</i> , 2013, 93, 4078-4089.	1.6	4
15	Nonaffinity in amorphous solids close to the jamming transition. <i>EPJ Web of Conferences</i> , 2017, 140, 02003.	0.3	0
16	Commentary on "Jamming transition in a two-dimensional open granular pile with rolling resistance". <i>Papers in Physics</i> , 2014, 6, .	0.2	0