

Leonardo E Silbert

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,974
citations

567281

15
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	Flow and arrest in stressed granular materials. <i>Soft Matter</i> , 2022, 18, 735-743.	2.7	5
2	Viscometric flow of dense granular materials under controlled pressure and shear stress. <i>Journal of Fluid Mechanics</i> , 2021, 907, .	3.4	13
3	Jamming of bidisperse frictional spheres. <i>Physical Review Research</i> , 2021, 3, .	3.6	10
4	Granular packings with sliding, rolling, and twisting friction. <i>Physical Review E</i> , 2020, 102, 032903.	2.1	31
5	Evolution of internal granular structure at the flow-arrest transition. <i>Granular Matter</i> , 2020, 22, 1.	2.2	5
6	Structural and mechanical characteristics of sphere packings near the jamming transition: From fully amorphous to quasicrystalline structures. <i>Physical Review Materials</i> , 2020, 4, .	2.4	2
7	Random walks on jammed networks: Spectral properties. <i>Physical Review E</i> , 2019, 100, 012905.	2.1	0
8	Flow-Arrest Transitions in Frictional Granular Matter. <i>Physical Review Letters</i> , 2019, 122, 048003.	7.8	23
9	Effect of shape and friction on the packing and flow of granular materials. <i>Physical Review E</i> , 2018, 98, .	2.1	42
10	Cutoff nonlinearities in the low-temperature vibrations of glasses and crystals. <i>Physical Review E</i> , 2016, 93, 043314.	2.1	14
11	Elastic moduli and vibrational modes in jammed particulate packings. <i>Physical Review E</i> , 2016, 93, 062905.	2.1	29
12	Spatial Distributions of Local Elastic Moduli Near the Jamming Transition. <i>Physical Review Letters</i> , 2016, 116, 068302.	7.8	34
13	Diffusion in Jammed Particle Packs. <i>Physical Review Letters</i> , 2015, 115, 088002.	7.8	5
14	Critical-like features of a granular intruder. , 2013, , .		0
15	Tuning jammed frictionless disk packings from isostatic to hyperstatic. <i>Physical Review E</i> , 2011, 84, 011305.	2.1	48
16	Stress response inside perturbed particle assemblies. <i>Granular Matter</i> , 2010, 12, 135-142.	2.2	4
17	Jamming of frictional spheres and random loose packing. <i>Soft Matter</i> , 2010, 6, 2918.	2.7	219
18	Normal modes in model jammed systems in three dimensions. <i>Physical Review E</i> , 2009, 79, 021308.	2.1	74

#	ARTICLE	IF	CITATIONS
19	Long-wavelength structural anomalies in jammed systems. Physical Review E, 2009, 80, 041304.	2.1	28
20	Rheology and Contact Lifetimes in Dense Granular Flows. Physical Review Letters, 2007, 99, 068002.	7.8	56
21	Structural signatures of the unjamming transition at zero temperature. Physical Review E, 2006, 73, 041304.	2.1	91
22	Force heterogeneities in particle assemblies: From order to disorder. Physical Review E, 2006, 74, 051303.	2.1	11
23	Vibrations and Diverging Length Scales Near the Unjamming Transition. Physical Review Letters, 2005, 95, 098301.	7.8	320
24	Effects of compression on the vibrational modes of marginally jammed solids. Physical Review E, 2005, 72, 051306.	2.1	333
25	Jamming at zero temperature and zero applied stress: The epitome of disorder. Physical Review E, 2003, 68, 011306.	2.1	1,282
26	Geometry of frictionless and frictional sphere packings. Physical Review E, 2002, 65, 031304.	2.1	295