

Leonardo E Silbert

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3152442/publications.pdf>

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 | Jamming at zero temperature and zero applied stress: The epitome of disorder. <i>Physical Review E</i> , 2003, 68, 011306. | 2.1 | 1,282 |
| 2 | Effects of compression on the vibrational modes of marginally jammed solids. <i>Physical Review E</i> , 2005, 72, 051306. | 2.1 | 333 |
| 3 | Vibrations and Diverging Length Scales Near the Unjamming Transition. <i>Physical Review Letters</i> , 2005, 95, 098301. | 7.8 | 320 |
| 4 | Geometry of frictionless and frictional sphere packings. <i>Physical Review E</i> , 2002, 65, 031304. | 2.1 | 295 |
| 5 | Jamming of frictional spheres and random loose packing. <i>Soft Matter</i> , 2010, 6, 2918. | 2.7 | 219 |
| 6 | Structural signatures of the unjamming transition at zero temperature. <i>Physical Review E</i> , 2006, 73, 041304. | 2.1 | 91 |
| 7 | Normal modes in model jammed systems in three dimensions. <i>Physical Review E</i> , 2009, 79, 021308. | 2.1 | 74 |
| 8 | Rheology and Contact Lifetimes in Dense Granular Flows. <i>Physical Review Letters</i> , 2007, 99, 068002. | 7.8 | 56 |
| 9 | Tuning jammed frictionless disk packings from isostatic to hyperstatic. <i>Physical Review E</i> , 2011, 84, 011305. | 2.1 | 48 |
| 10 | Effect of shape and friction on the packing and flow of granular materials. <i>Physical Review E</i> , 2018, 98, . | 2.1 | 42 |
| 11 | Spatial Distributions of Local Elastic Moduli Near the Jamming Transition. <i>Physical Review Letters</i> , 2016, 116, 068302. | 7.8 | 34 |
| 12 | Granular packings with sliding, rolling, and twisting friction. <i>Physical Review E</i> , 2020, 102, 032903. | 2.1 | 31 |
| 13 | Elastic moduli and vibrational modes in jammed particulate packings. <i>Physical Review E</i> , 2016, 93, 062905. | 2.1 | 29 |
| 14 | Long-wavelength structural anomalies in jammed systems. <i>Physical Review E</i> , 2009, 80, 041304. | 2.1 | 28 |
| 15 | Flow-Arrest Transitions in Frictional Granular Matter. <i>Physical Review Letters</i> , 2019, 122, 048003. | 7.8 | 23 |
| 16 | Cutoff nonlinearities in the low-temperature vibrations of glasses and crystals. <i>Physical Review E</i> , 2016, 93, 043314. | 2.1 | 14 |
| 17 | Viscometric flow of dense granular materials under controlled pressure and shear stress. <i>Journal of Fluid Mechanics</i> , 2021, 907, . | 3.4 | 13 |
| 18 | Force heterogeneities in particle assemblies: From order to disorder. <i>Physical Review E</i> , 2006, 74, 051303. | 2.1 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Jamming of bidisperse frictional spheres. <i>Physical Review Research</i> , 2021, 3, . | 3.6 | 10 |
| 20 | Diffusion in Jammed Particle Packs. <i>Physical Review Letters</i> , 2015, 115, 088002. | 7.8 | 5 |
| 21 | Evolution of internal granular structure at the flow-arrest transition. <i>Granular Matter</i> , 2020, 22, 1. | 2.2 | 5 |
| 22 | Flow and arrest in stressed granular materials. <i>Soft Matter</i> , 2022, 18, 735-743. | 2.7 | 5 |
| 23 | Stress response inside perturbed particle assemblies. <i>Granular Matter</i> , 2010, 12, 135-142. | 2.2 | 4 |
| 24 | Structural and mechanical characteristics of sphere packings near the jamming transition: From fully amorphous to quasiordered structures. <i>Physical Review Materials</i> , 2020, 4, . | 2.4 | 2 |
| 25 | Critical-like features of a granular intruder. , 2013, , . | | 0 |
| 26 | Random walks on jammed networks: Spectral properties. <i>Physical Review E</i> , 2019, 100, 012905. | 2.1 | 0 |