

Yuliang Jin

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

609
citations

840776

11
h-index

1125743

13
g-index

13
all docs

13
docs citations

13
times ranked

574
citing authors

#	ARTICLE	IF	CITATIONS
1	Hopping and the Stokes-Einstein relation breakdown in simple glass formers. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 15025-15030.	7.1	102
2	Growing timescales and lengthscales characterizing vibrations of amorphous solids. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 8397-8401.	7.1	99
3	A first-order phase transition defines the random close packing of hard spheres. Physica A: Statistical Mechanics and Its Applications, 2010, 389, 5362-5379.	2.6	86
4	A stability-reversibility map unifies elasticity, plasticity, yielding, and jamming in hard sphere glasses. Science Advances, 2018, 4, eaat6387.	10.3	71
5	Local structure can identify and quantify influential global spreaders in large scale social networks. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7468-7472.	7.1	64
6	Exploring the complex free-energy landscape of the simplest glass by rheology. Nature Communications, 2017, 8, 14935.	12.8	59
7	Numerical detection of the Gardner transition in a mean-field glass former. Physical Review E, 2015, 92, 012316.	2.1	43
8	Dimensional study of the dynamical arrest in a random Lorentz gas. Physical Review E, 2015, 91, 042313.	2.1	18
9	Determining the nonequilibrium criticality of a Gardner transition via a hybrid study of molecular simulations and machine learning. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
10	A jamming plane of sphere packings. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
11	Dilatancy, shear jamming, and a generalized jamming phase diagram of frictionless sphere packings. Soft Matter, 2021, 17, 3121-3127.	2.7	14
12	Experimental observations of marginal criticality in granular materials. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	11
13	Nonlinear elasticity, yielding, and entropy in amorphous solids. Science Advances, 2022, 8, .	10.3	11