Yuliang Jin

List of Publications by Year
in descending order

13	609	840776	1125743
papers	citations	11	13
		h-index	g-index

13	13	13	574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Nonlinear elasticity, yielding, and entropy in amorphous solids. Science Advances, 2022, 8, .	10.3	11
3	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
4	A jamming plane of sphere packings. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	15
5	Dilatancy, shear jamming, and a generalized jamming phase diagram of frictionless sphere packings. Soft Matter, 2021, 17, 3121-3127.	2.7	14
6	A stability-reversibility map unifies elasticity, plasticity, yielding, and jamming in hard sphere glasses. Science Advances, 2018, 4, eaat6387.	10.3	71
7	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
8	Exploring the complex free-energy landscape of the simplest glass by rheology. Nature Communications, 2017, 8, 14935.	12.8	59
9	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
10	Numerical detection of the Gardner transition in a mean-field glass former. Physical Review E, 2015, 92, 012316.	2.1	43
11	Dimensional study of the dynamical arrest in a random Lorentz gas. Physical Review E, 2015, 91, 042313.	2.1	18
12	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
13	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