Lester O Hedges

List of Publications by Year
in descending order

20 papers	1,472 citations	567281 15 h-index	839539 18 g-index
20 all docs	20 docs citations	20 times ranked	1963 citing authors

#	Article	IF	Citations
1	Microscopic Evidence for Liquid-Liquid Separation in Supersaturated CaCO $_3$ Solutions. Science, 2013, 341, 885-889.	12.6	433
2	Dynamic Order-Disorder in Atomistic Models of Structural Glass Formers. Science, 2009, 323, 1309-1313.	12.6	333
3	Excitations Are Localized and Relaxation Is Hierarchical in Glass-Forming Liquids. Physical Review X, 2011, 1, .	8.9	151
4	Uncovering the intrinsic size dependence of hydriding phase transformations in nanocrystals. Nature Materials, 2013, 12, 905-912.	27.5	116
5	Decoupling of exchange and persistence times in atomistic models of glass formers. Journal of Chemical Physics, 2007, 127, 211101.	3.0	84
6	Limit of validity of Ostwald's rule of stages in a statistical mechanical model of crystallization. Journal of Chemical Physics, 2011, 135, 164902.	3.0	52
7	Patterning a surface so as to speed nucleation from solution. Soft Matter, 2012, 8, 8624.	2.7	51
8	Preparation and Relaxation of Very Stable Glassy States of a Simulated Liquid. Physical Review Letters, 2011, 107, 275702.	7.8	48
9	Growth of equilibrium structures built from a large number of distinct component types. Soft Matter, 2014, 10, 6404.	2.7	30
10	Self-Assembly of Multicomponent Structures In and Out of Equilibrium. Physical Review Letters, 2012, 109, 265506.	7.8	28
11	Self-Assembly at a Nonequilibrium Critical Point. Physical Review Letters, 2014, 112, 155504.	7.8	27
12	BioSimSpace: An interoperable Python framework for biomolecular simulation. Journal of Open Source Software, 2019, 4, 1831.	4.6	26
13	Selective nucleation in porous media. Soft Matter, 2013, 9, 9763.	2.7	23
14	Crystallization and arrest mechanisms of model colloids. Soft Matter, 2015, 11, 9307-9320.	2.7	22
15	Stochastic level-set method for shape optimisation. Journal of Computational Physics, 2017, 348, 82-107.	3.8	19
16	Fast simulation of facilitated spin models. Journal of Statistical Mechanics: Theory and Experiment, 2005, 2005, P12010-P12010.	2.3	14
17	Dynamic propensity in a kinetically constrained lattice gas. Journal of Physics Condensed Matter, 2007, 19, 205124.	1.8	8
18	OpenLSTO: Open-Source Software for Level Set Topology Optimization. , 2018, , .		5

#	Article	IF	Citations
19	Dynamic facilitation explains 'democratic' particle motion of metabasin transitions. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 324006.	2.1	2
20	MetaWards: A flexible metapopulation framework for modelling disease spread. Journal of Open Source Software, 2022, 7, 3914.	4.6	0