

Christopher Ness

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

454
citations

759233

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940533

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all docs

16
docs citations

16
times ranked

470
citing authors

#	ARTICLE	IF	CITATIONS
1	Shear thickening regimes of dense non-Brownian suspensions. <i>Soft Matter</i> , 2016, 12, 914-924.	2.7	80
2	Shear Thickening and Jamming of Dense Suspensions: The “Roll” of Friction. <i>Physical Review Letters</i> , 2020, 124, 248005.	7.8	80
3	Parameter-free predictions of the viscoelastic response of glassy polymers from non-affine lattice dynamics. <i>Soft Matter</i> , 2018, 14, 8475-8482.	2.7	45
4	Shaken and stirred: Random organization reduces viscosity and dissipation in granular suspensions. <i>Science Advances</i> , 2018, 4, eaar3296.	10.3	44
5	Testing the Wyart-Cates model for non-Brownian shear thickening using bidisperse suspensions. <i>Soft Matter</i> , 2020, 16, 229-237.	2.7	32
6	Interpretation of the Vibrational Spectra of Glassy Polymers Using Coarse-Grained Simulations. <i>Macromolecules</i> , 2018, 51, 1559-1572.	4.8	25
7	Constitutive Model for Time-Dependent Flows of Shear-Thickening Suspensions. <i>Physical Review Letters</i> , 2019, 123, 214504.	7.8	24
8	On the role of flexibility in linker-mediated DNA hydrogels. <i>Soft Matter</i> , 2020, 16, 990-1001.	2.7	23
9	Absorbing-State Transitions in Granular Materials Close to Jamming. <i>Physical Review Letters</i> , 2020, 124, 088004.	7.8	22
10	Oscillatory rheology of dense, athermal suspensions of nearly hard spheres below the jamming point. <i>Soft Matter</i> , 2017, 13, 3664-3674.	2.7	19
11	Constitutive model for shear-thickening suspensions: Predictions for steady shear with superposed transverse oscillations. <i>Journal of Rheology</i> , 2020, 64, 353-365.	2.6	17
12	Modeling the Microstructure and Stress in Dense Suspensions under Inhomogeneous Flow. <i>Physical Review Letters</i> , 2020, 125, 184503.	7.8	10
13	Tunable solidification of cornstarch under impact: How to make someone walking on cornstarch sink. <i>Science Advances</i> , 2020, 6, eaay6661.	10.3	9
14	Linking attractive interactions and confinement to the rheological response of suspended particles close to jamming. <i>Granular Matter</i> , 2018, 20, 3.	2.2	4
15	Bulk rheology of sticky DNA-functionalized emulsions. <i>Physical Review E</i> , 2021, 104, 054602.	2.1	3