

Suman Majumder

List of Publications by Year in descending order

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papers

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687220

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docs citations

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times ranked

161
citing authors

#	ARTICLE	IF	CITATIONS
1	Domain coarsening in two dimensions: Conserved dynamics and finite-size scaling. <i>Physical Review E</i> , 2010, 81, 050102.	0.8	50
2	Universality in fluid domain coarsening: The case of vapor-liquid transition. <i>Europhysics Letters</i> , 2011, 95, 46002.	0.7	38
3	Kinetics of polymer collapse: effect of temperature on cluster growth and aging. <i>Soft Matter</i> , 2017, 13, 1276-1290.	1.2	37
4	Diffusive domain coarsening: Early time dynamics and finite-size effects. <i>Physical Review E</i> , 2011, 84, 021110.	0.8	33
5	Finite-size effects in dynamics: Critical vs. coarsening phenomena. <i>Europhysics Letters</i> , 2012, 97, 66006.	0.7	32
6	Phase ordering kinetics of the long-range Ising model. <i>Physical Review E</i> , 2019, 99, 011301.	0.8	27
7	Temperature and composition dependence of kinetics of phase separation in solid binary mixtures. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 13209.	1.3	22
8	Cluster coarsening during polymer collapse: Finite-size scaling analysis. <i>Europhysics Letters</i> , 2015, 110, 58001.	0.7	21
9	Coarsening and aging of lattice polymers: Influence of bond fluctuations. <i>Journal of Chemical Physics</i> , 2017, 147, 094902.	1.2	21
10	Aging in ferromagnetic ordering: full decay and finite-size scaling of autocorrelation. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 452202.	0.7	20
11	Dimensionality dependence of aging in kinetics of diffusive phase separation: Behavior of order-parameter autocorrelation. <i>Physical Review E</i> , 2015, 92, 022124.	0.8	19
12	Aging in the Long-Range Ising Model. <i>Physical Review Letters</i> , 2020, 125, 180601.	2.9	19
13	Effects of Density Conservation and Hydrodynamics on Aging in Nonequilibrium Processes. <i>Physical Review Letters</i> , 2013, 111, 055503.	2.9	15
14	Universal finite-size scaling function for kinetics of phase separation in mixtures with varying number of components. <i>Physical Review E</i> , 2018, 98, .	0.8	13
15	Evidence of aging and dynamic scaling in the collapse of a polymer. <i>Physical Review E</i> , 2016, 93, 032506.	0.8	10
16	Pearl-Necklace-Like Local Ordering Drives Polypeptide Collapse. <i>Macromolecules</i> , 2019, 52, 5491-5498.	2.2	10
17	Knots are Generic Stable Phases in Semiflexible Polymers. <i>Macromolecules</i> , 2021, 54, 5321-5334.	2.2	8
18	Understanding nonequilibrium scaling laws governing collapse of a polymer. <i>European Physical Journal B</i> , 2020, 93, 1.	0.6	8

#	ARTICLE	IF	CITATIONS
19	Effects of alignment activity on the collapse kinetics of a flexible polymer. <i>Soft Matter</i> , 2022, 18, 1978-1990.	1.2	8
20	Aging phenomena during phase separation in fluids: decay of autocorrelation for vapor-liquid transitions. <i>Soft Matter</i> , 2019, 15, 4743-4750.	1.2	7
21	Zero-temperature coarsening in the two-dimensional long-range Ising model. <i>Physical Review E</i> , 2021, 103, 052122.	0.8	7
22	Motion of a polymer globule with Vicsek-like activity: from super-diffusive to ballistic behavior. <i>Soft Materials</i> , 2021, 19, 306-315.	0.8	7
23	Phase segregation in a binary fluid confined inside a nanopore. <i>Europhysics Letters</i> , 2016, 116, 56003.	0.7	5
24	Coarsening in the long-range Ising model: Metropolis versus Glauber criterion. <i>Journal of Physics: Conference Series</i> , 2019, 1163, 012002.	0.3	5
25	Scaling laws during collapse of a homopolymer: Lattice versus off-lattice. <i>Journal of Physics: Conference Series</i> , 2018, 955, 012008.	0.3	4
26	Dissipative Dynamics of a Single Polymer in Solution: A Lowe-Andersen Approach. <i>Journal of Physics: Conference Series</i> , 2019, 1163, 012072.	0.3	3
27	Role of temperature and alignment activity on kinetics of coil-globule transition of a flexible polymer. <i>Journal of Physics: Conference Series</i> , 2022, 2207, 012027.	0.3	2
28	Universal finite-size scaling function for coarsening in the Potts model with conserved dynamics. <i>Journal of Physics: Conference Series</i> , 2021, 2122, 012009.	0.3	1