Sutapa Roy

List of Publications by Year in descending order

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15 papers	263 citations	840585 11 h-index	996849 15 g-index
17 all docs	17 docs citations	17 times ranked	176 citing authors

#	Article	IF	Citations
1	Transport phenomena in fluids: Finite-size scaling for critical behavior. Europhysics Letters, 2011, 94, 36001.	0.7	40
2	Finite-size effects in dynamics: Critical vs. coarsening phenomena. Europhysics Letters, 2012, 97, 66006.	0.7	32
3	Dynamics and growth of droplets close to the two-phase coexistence curve in fluids. Soft Matter, 2013, 9, 4178.	1.2	29
4	Structure and dynamics of binary liquid mixtures near their continuous demixing transitions. Journal of Chemical Physics, 2016, 145, 134505.	1.2	27
5	Nucleation and growth of droplets in vapor-liquid transitions. Physical Review E, 2012, 85, 050602.	0.8	24
6	Effects of domain morphology on kinetics of fluid phase separation. Journal of Chemical Physics, 2013, 139, 044911.	1.2	17
7	Coarsening in fluid phase transitions. Comptes Rendus Physique, 2015, 16, 303-315.	0.3	17
8	Solvent coarsening around colloids driven by temperature gradients. Physical Review E, 2018, 97, 042603.	0.8	16
9	Finite-size scaling study of shear viscosity anomaly at liquid-liquid criticality. Journal of Chemical Physics, 2014, 141, 234502.	1.2	12
10	Phase separation around a heated colloid in bulk and under confinement. Soft Matter, 2018, 14, 9326-9335.	1.2	12
11	Transient coarsening and the motility of optically heated Janus colloids in a binary liquid mixture. Soft Matter, 2020, 16, 8359-8371.	1.2	12
12	Study of critical dynamics in fluids via molecular dynamics in canonical ensemble. European Physical Journal E, 2015, 38, 132.	0.7	8
13	Aging phenomena during phase separation in fluids: decay of autocorrelation for vaporâ€“liquid transitions. Soft Matter, 2019, 15, 4743-4750.	1.2	7
14	Simulation of transport around the coexistence region of a binary fluid. Journal of Chemical Physics, 2013, 139, 064505.	1.2	5
15	Coalescence preference and droplet size inequality during fluid phase segregation. Europhysics Letters, 2018, 121, 34001.	0.7	5