

# Jiarul Midya

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Segregation in Drying Binary Colloidal Droplets. ACS Nano, 2019, 13, 4972-4979.	7.3	81
2	Structure of Polymer-Grafted Nanoparticle Melts. ACS Nano, 2020, 14, 15505-15516.	7.3	65
3	Tuning Selectivities in Gas Separation Membranes Based on Polymer-Grafted Nanoparticles. ACS Nano, 2020, 14, 17174-17183.	7.3	55
4	Disentangling the Role of Chain Conformation on the Mechanics of Polymer Tethered Particle Materials. Nano Letters, 2019, 19, 2715-2722.	4.5	43
5	Kinetics of Vapor-Solid Phase Transitions: Structure, Growth, and Mechanism. Physical Review Letters, 2017, 118, 165701.	2.9	26
6	Aging in ferromagnetic ordering: full decay and finite-size scaling of autocorrelation. Journal of Physics Condensed Matter, 2014, 26, 452202.	0.7	20
7	Dimensionality dependence of aging in kinetics of diffusive phase separation: Behavior of order-parameter autocorrelation. Physical Review E, 2015, 92, 022124.	0.8	19
8	Phase behavior of flexible and semiflexible polymers in solvents of varying quality. Journal of Chemical Physics, 2019, 151, 034902.	1.2	19
9	Entropic Unmixing in Nematic Blends of Semiflexible Polymers. ACS Macro Letters, 2020, 9, 1779-1784.	2.3	18
10	Coarsening in fluid phase transitions. Comptes Rendus Physique, 2015, 16, 303-315.	0.3	17
11	Finite-size scaling study of dynamic critical phenomena in a vapor-liquid transition. Journal of Chemical Physics, 2017, 146, 044503.	1.2	11
12	Gas Transport in Interacting Planar Brushes. ACS Polymers Au, 2021, 1, 39-46.	1.7	9
13	Understanding Gas Transport in Polymer-Grafted Nanoparticle Assemblies. Macromolecules, 2022, 55, 3011-3019.	2.2	9
14	Droplet growth during vapor-liquid transition in a 2D Lennard-Jones fluid. Journal of Chemical Physics, 2017, 146, 024503.	1.2	6
15	Blends of Semiflexible Polymers: Interplay of Nematic Order and Phase Separation. Polymers, 2021, 13, 2270.	2.0	4
16	Kinetics of domain growth and aging in a two-dimensional off-lattice system. Physical Review E, 2020, 102, 062119.	0.8	4
17	Wetting transitions of polymer solutions: Effects of chain length and chain stiffness. Journal of Chemical Physics, 2022, 156, 044901.	1.2	4