

Arjita Kulshreshtha

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Impact of Hydrogen Bonding Interactions on Graftâ€“Matrix Wetting and Structure in Polymer Nanocomposites. <i>Macromolecules</i> , 2019, 52, 2725-2735.	4.8	29
2	Dispersion and Aggregation of Polymer Grafted Particles in Polymer Nanocomposites Driven by the Hardness and Size of the Grafted Layer Tuned by Attractive Graftâ€“Matrix Interactions. <i>Macromolecules</i> , 2020, 53, 1302-1313.	4.8	19
3	Interfacial Compatibilization in Ternary Polymer Nanocomposites: Comparing Theory and Experiments. <i>Macromolecules</i> , 2021, 54, 797-811.	4.8	14
4	Impact of Composition and Placement of Hydrogen-Bonding Groups along Polymer Chains on Blend Phase Behavior: Coarse-Grained Molecular Dynamics Simulation Study. <i>Macromolecules</i> , 2022, 55, 2675-2690.	4.8	11
5	Development of Coarse-Grained Models for Poly(4-vinylphenol) and Poly(2-vinylpyridine): Polymer Chemistries with Hydrogen Bonding. <i>Polymers</i> , 2020, 12, 2764.	4.5	5
6	Understanding the Effect of Heterogeneous Particle Functionalization on Graftâ€“Matrix Wetting and Structure in Polymer Nanocomposites Containing Grafted Nanoparticles Using Multiscale Modeling and Simulation. <i>ACS Applied Polymer Materials</i> , 2021, 3, 5642-5655.	4.4	2
7	Coarse-Grained Modeling and Simulations of Thermoresponsive Biopolymers and Polymer Nanocomposites with Specific and Directional Interactions. <i>Molecular Modeling and Simulation</i> , 2021, , 37-74.	0.2	0