

Chloe Chevigny

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

13
papers

605
citations

10
h-index

13
g-index

13
ext. papers

658
ext. citations

6.3
avg, IF

3.28
L-index

#	Paper	IF	Citations
13	Polymer-Grafted-Nanoparticles Nanocomposites: Dispersion, Grafted Chain Conformation, and Rheological Behavior. <i>Macromolecules</i> , 2011 , 44, 122-133	5.5	263
12	Polystyrene grafting from silica nanoparticles via nitroxide-mediated polymerization (NMP): synthesis and SANS analysis with the contrast variation method. <i>Soft Matter</i> , 2009 , 5, 3741	3.6	70
11	Tuning the mechanical properties in model nanocomposites: Influence of the polymer-filler interfacial interactions. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2011 , 49, 781-791	2.6	66
10	Wet-to-Dry Conformational Transition of Polymer Layers Grafted to Nanoparticles in Nanocomposite. <i>Macromolecules</i> , 2010 , 43, 4833-4837	5.5	66
9	Short versus long chain polyelectrolyte multilayers: a direct comparison of self-assembly and structural properties. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 21988-98	3.6	26
8	Controlled grafted brushes of polystyrene on magnetic Fe ₂ O ₃ nanoparticles via nitroxide-mediated polymerization. <i>Soft Matter</i> , 2012 , 8, 3407	3.6	23
7	Controlled grafting of polystyrene on silica nanoparticles using NMP: a new route without free initiator to tune the grafted chain length. <i>Polymer Chemistry</i> , 2011 , 2, 567-571	4.9	21
6	Cellulose nanocrystals-starch nanocomposites produced by extrusion: Structure and behavior in physiological conditions. <i>Carbohydrate Polymers</i> , 2019 , 225, 115123	10.3	17
5	Shape-memory effect in amorphous potato starch: The influence of local orders and paracrystallinity. <i>Carbohydrate Polymers</i> , 2016 , 146, 411-9	10.3	17
4	Interphase vs confinement in starch-clay bionanocomposites. <i>Carbohydrate Polymers</i> , 2015 , 117, 746-752	10.3	10
3	Multi-scale characterization of thermoplastic starch structure using Second Harmonic Generation imaging and NMR. <i>Carbohydrate Polymers</i> , 2018 , 194, 80-88	10.3	10
2	Crystalline Structure in Starch 2015 , 61-90		9
1	In-Situ Quantitative and Multiscale Structural Study of Starch-Based Biomaterials Immersed in Water. <i>Biomacromolecules</i> , 2018 , 19, 838-848	6.9	7