Chloe Chevigny

List of Publications by Year
in descending order

13	713	759190 12	1199563 12
papers	citations	h-index	g-index

13	13	13	1024
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymer-Grafted-Nanoparticles Nanocomposites: Dispersion, Grafted Chain Conformation, and Rheological Behavior. Macromolecules, 2011, 44, 122-133.	4.8	292
2	Polystyrene grafting from silica nanoparticles via nitroxide-mediated polymerization (NMP): synthesis and SANS analysis with the contrast variation method. Soft Matter, 2009, 5, 3741.	2.7	78
3	Tuning the mechanical properties in model nanocomposites: Influence of the polymerâ€filler interfacial interactions. Journal of Polymer Science, Part B: Polymer Physics, 2011, 49, 781-791.	2.1	72
4	â€œWet-to-Dryâ€•Conformational Transition of Polymer Layers Grafted to Nanoparticles in Nanocomposite. Macromolecules, 2010, 43, 4833-4837.	4.8	69
5	Cellulose nanocrystals-starch nanocomposites produced by extrusion: Structure and behavior in physiological conditions. Carbohydrate Polymers, 2019, 225, 115123.	10.2	38
6	Short versus long chain polyelectrolyte multilayers: a direct comparison of self-assembly and structural properties. Physical Chemistry Chemical Physics, 2014, 16, 21988-21998.	2.8	28
7	Controlled grafted brushes of polystyrene on magnetic Î³-Fe2O3 nanoparticles via nitroxide-mediated polymerization. Soft Matter, 2012, 8, 3407.	2.7	24
8	Controlled grafting of polystyrene on silicananoparticles using NMP: a new route without free initiator to tune the grafted chain length. Polymer Chemistry, 2011, 2, 567-571.	3.9	23
9	Crystalline Structure in Starch. , 2015, , 61-90.		23
10	Shape-memory effect in amorphous potato starch: The influence of local orders and paracrystallinity. Carbohydrate Polymers, 2016, 146, 411-419.	10.2	23
11	Multi-scale characterization of thermoplastic starch structure using Second Harmonic Generation imaging and NMR. Carbohydrate Polymers, 2018, 194, 80-88.	10.2	17
12	In-Situ Quantitative and Multiscale Structural Study of Starch-Based Biomaterials Immersed in Water. Biomacromolecules, 2018, 19, 838-848.	5.4	14
13	Interphase vs confinement in starch-clay bionanocomposites. Carbohydrate Polymers, 2015, 117, 746-752.	10.2	12