

Lucia Fernandez-Ballester

List of Publications by Year in descending order

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473
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the Distribution of Short-Chain Branches on Crystallization Kinetics and Mechanical Properties of High-Density Polyethylene. <i>Macromolecules</i> , 2008, 41, 1693-1704.	4.8	112
2	Molecular Aspects of the Formation of Shish-Kebab in Isotactic Polypropylene. <i>Macromolecules</i> , 2016, 49, 3799-3809.	4.8	54
3	Effect of Long Chains on the Threshold Stresses for Flow-Induced Crystallization in iPP: Shish Kebabs vs Sausages. <i>Macromolecules</i> , 2012, 45, 6557-6570.	4.8	53
4	Deformation-Induced Morphology Changes and Orientation Behavior in Syndiotactic Polypropylene. <i>Macromolecules</i> , 2003, 36, 6472-6483.	4.8	37
5	High-Stress Shear-Induced Crystallization in Isotactic Polypropylene and Propylene/Ethylene Random Copolymers. <i>Macromolecules</i> , 2013, 46, 2671-2680.	4.8	36
6	Real-time depth sectioning: Isolating the effect of stress on structure development in pressure-driven flow. <i>Journal of Rheology</i> , 2009, 53, 1229-1254.	2.6	31
7	Simultaneous birefringence, small- and wide-angle X-ray scattering to detect precursors and characterize morphology development during flow-induced crystallization of polymers. <i>Journal of Synchrotron Radiation</i> , 2008, 15, 185-190.	2.4	20
8	Dynamics of fibrillar precursors of shishes as a function of stress. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 14, 012005.	0.6	13
9	Local and segmental motions of the mobile amorphous fraction in semi-crystalline polylactide crystallized under quiescent and flow-induced conditions. <i>Polymer</i> , 2017, 126, 141-151.	3.8	13
10	Effect of Random Ethylene Comonomer on Relaxation of Flow-Induced Precursors in Isotactic Polypropylene. <i>Macromolecules</i> , 2017, 50, 6396-6403.	4.8	10
11	Supramolecular Nanolayer Reconfiguration after Molecular Intercalation. <i>Journal of Physical Chemistry C</i> , 2011, 115, 10351-10356.	3.1	9
12	Concomitant Crystallization in Propylene/Ethylene Random Copolymer with Strong Flow at Elevated Temperatures. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6870-6877.	3.7	8
13	Tuning of the size and the lattice parameter of ion-beam synthesized Pb nanoparticles embedded in Si. <i>Journal Physics D: Applied Physics</i> , 2012, 45, 035301.	2.8	6
14	Integrated microscopic analysis of lamellar structure in isotactic polypropylene spherulite at nanoscale. <i>Microscopy and Microanalysis</i> , 2021, 27, 230-231.	0.4	0