

Vincent Bf Mathot

List of Publications by Year in descending order

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17
papers

864
citations

687363

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996975

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17
all docs

17
docs citations

17
times ranked

818
citing authors

#	ARTICLE	IF	CITATIONS
1	The Flash DSC 1, a power compensation twin-type, chip-based fast scanning calorimeter (FSC): First findings on polymers. <i>Thermochimica Acta</i> , 2011, 522, 36-45.	2.7	321
2	Metastability and order in linear, branched and copolymerized polyethylenes. <i>Polymer</i> , 1998, 39, 4541-4559.	3.8	92
3	High-speed/high performance differential scanning calorimetry (HPer DSC): Temperature calibration in the heating and cooling mode and minimization of thermal lag. <i>Thermochimica Acta</i> , 2006, 446, 41-54.	2.7	69
4	Comparison Between Hot-Melt Extrusion and Spray-Drying for Manufacturing Solid Dispersions of the Graft Copolymer of Ethylene Glycol and Vinylalcohol. <i>Pharmaceutical Research</i> , 2011, 28, 673-682.	3.5	56
5	High performance differential scanning calorimetry (HPer DSC): A powerful analytical tool for the study of the metastability of polymers. <i>Thermochimica Acta</i> , 2007, 461, 107-121.	2.7	53
6	Crystallization of polyamide confined in sub-micrometer droplets dispersed in a molten polyethylene matrix. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 815-825.	2.1	39
7	Preparation of water-borne dispersions of polyolefins: new systems for the study of homogeneous nucleation of polymers. <i>Polymer</i> , 2004, 45, 5961-5968.	3.8	35
8	Partitioning of Main and Side-Chain Units between Different Phases: A Solid-State ¹³ C NMR Inversion-Recovery Cross-Polarization Study on a Homogeneous, Metallocene-Based, Ethylene-1-Octene Copolymer. <i>Solid State Nuclear Magnetic Resonance</i> , 2002, 22, 218-234.	2.3	33
9	Characterization of the copolymer poly(ethyleneglycol-g-vinylalcohol) as a potential carrier in the formulation of solid dispersions. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2010, 74, 239-247.	4.3	33
10	The way to measure quantitatively full dissolution and crystallization of polyamides in water up to 200°C and above by DSC. <i>Thermochimica Acta</i> , 2007, 453, 67-71.	2.7	28
11	Upscaling of the hot-melt extrusion process: Comparison between laboratory scale and pilot scale production of solid dispersions with miconazole and Kollicoat® IR. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2012, 81, 674-682.	4.3	26
12	Fractionation of ethylene/1-octene copolymers using a combination of SEC-FTIR and SEC-HPer DSC. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2007, 45, 2956-2965.	2.1	23
13	Crystallization and dissolution behaviour of polyamide 6-water systems under pressure. <i>Polymer International</i> , 2011, 60, 119-125.	3.1	22
14	Full Dissolution and Crystallization of Polyamide 6 and Polyamide 4.6 in Water and Ethanol. , 2007, , 151-168.		16
15	Influence of chain microstructure on the conformational behavior of ethylene-1-olefin copolymers. Impact of the comonomeric mole content and the catalytic inversion ratio. <i>Polymer</i> , 2002, 43, 2897-2908.	3.8	12
16	Full-Temperature-Range Crystallization Rates of Polyamides by Fast Scanning Calorimetry as Key to Processing. , 2016, , 611-632.		4
17	Molecular structure and driving force to metastable states: Janus faces in polymer crystallization. <i>Polymer International</i> , 2019, 68, 179-200.	3.1	2