

NoÃ«lle Billon

List of Publications by Year in descending order

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papers

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759233

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#	ARTICLE	IF	CITATIONS
1	Effect of the simultaneous biaxial stretching on the structural and mechanical properties of PLA, PBAT and their blends at rubbery state. <i>European Polymer Journal</i> , 2015, 68, 288-301.	5.4	89
2	New constitutive modeling for time-dependent mechanical behavior of polymers close to glass transition: Fundamentals and experimental validation. <i>Journal of Applied Polymer Science</i> , 2012, 125, 4390-4401.	2.6	41
3	Time-Temperature-Water content equivalence on dynamic mechanical response of polyamide 6,6. <i>Polymer</i> , 2018, 137, 22-29.	3.8	37
4	On the use of a four-camera stereovision system to characterize large 3D deformation in elastomers. <i>Polymer Testing</i> , 2016, 56, 314-320.	4.8	27
5	Strain induced crystallization in biobased Poly(ethylene 2,5-furandicarboxylate) (PEF); conditions for appearance and microstructure analysis. <i>Polymer</i> , 2018, 158, 364-371.	3.8	27
6	The Tensile Behaviour of an Injection-Moulded Propylene-Ethylene Copolymer: the Effect of the Local Thermomechanical Processing Conditions. <i>Polymer International</i> , 1997, 43, 159-166.	3.1	25
7	Conformational Change Analysis of Poly(ethylene 2,5-furandicarboxylate) and Poly(ethylene Terephthalate) by FTIR. <i>Polymer</i> , 2018, 158, 107-115.	4.8	25
8	Understanding of strain-induced crystallization developments scenarios for polyesters: Comparison of poly(ethylene furanoate), PEF, and poly(ethylene terephthalate), PET. <i>Polymer</i> , 2020, 203, 122755.	3.8	25
9	Strain-induced network chains damage in carbon black filled EPDM. <i>Polymer</i> , 2019, 175, 329-338.	3.8	23
10	Modeling of time dependent mechanical behavior of polymers: Comparison between amorphous and semicrystalline polyethylene terephthalate. <i>Journal of Applied Polymer Science</i> , 2016, 133, .	2.6	19
11	Strain-induced crystallization of poly(ethylene 2,5-furandicarboxylate). Mechanical and crystallographic analysis. <i>Polymer</i> , 2020, 187, 122126.	3.8	16
12	Strain and filler ratio transitions from chains network to filler network damage in EPDM during single and cyclic loadings. <i>Polymer</i> , 2020, 197, 122435.	3.8	16
13	Comparative Analysis of the Mechanical Behaviour of PEF and PET Uniaxial Stretching Based on the Time/Temperature Superposition Principle. <i>Polymers</i> , 2021, 13, 3295.	4.5	11
14	Mechanical Behavior-Microstructure Relationships in Injection-Molded Polyamide 66. <i>Polymers</i> , 2018, 10, 1047.	4.5	10
15	Effects of annealing prior to stretching on strain induced crystallization of polyethylene terephthalate. <i>Polymer</i> , 2021, 230, 124078.	3.8	10
16	Effect of the Strain Rate on Damage in Filled EPDM during Single and Cyclic Loadings. <i>Polymers</i> , 2020, 12, 3021.	4.5	9
17	Heat source and voiding signatures of Mullins damage in filled EPDM. <i>Polymer Testing</i> , 2020, 91, 106838.	4.8	8
18	Assessment for stretchability condition of polymers and Time-Temperature Superposition Principle; first step towards a test for recycled PET?. <i>Polymer</i> , 2021, 231, 124145.	3.8	5

#	ARTICLE	IF	CITATIONS
19	Viscoelastic rheology in the melting and crystallization domain: Application to polypropylene copolymers. <i>Journal of Applied Polymer Science</i> , 2017, 134, .	2.6	4
20	Time dependent mechanical modeling for polymers based on network theory. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	2