

# Marie-France Lacrampe

## List of Publications by Year in descending order

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63  
papers

2,651  
citations

236925

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docs citations

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times ranked

3148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rheological Considerations in Processing Self-Reinforced Thermoplastic Polymer Nanocomposites: A Review. <i>Polymers</i> , 2022, 14, 637.	4.5	8
2	(Nano)Fibrillar morphology development in biobased poly(butylene succinate-co-adipate)/poly(amide 11) blown films. <i>Polymer Engineering and Science</i> , 2021, 61, 1324-1337.	3.1	4
3	In-situ nano-fibrillation of poly(butylene succinate-co-adipate) in isosorbide-based polycarbonate matrix. Relationship between rheological parameters and induced morphological and mechanical properties. <i>Polymer</i> , 2021, 217, 123445.	3.8	7
4	Coupling inverse fin method with infrared thermography to determine the effective thermal conductivity of extruded thermoplastic foams. <i>JMST Advances</i> , 2020, 2, 103-110.	1.9	0
5	Reliability of Hybrid Inverse Identification Based on Stereo-DIC Measurements to Assess HIPS Hyperelastic Parameters: Case of Isothermal Tensile Loads. <i>Procedia Manufacturing</i> , 2020, 47, 933-939.	1.9	1
6	Melt compatibility between polyolefins: Evaluation and reliability of interfacial/surface tensions obtained by various techniques. <i>Polymer Testing</i> , 2019, 78, 105995.	4.8	9
7	High performance finned-tube heat exchangers based on filled polymer. <i>Applied Thermal Engineering</i> , 2019, 155, 620-630.	6.0	13
8	Scalable Production of Multifunctional Bio-Based Polyamide 11/Graphene Nanocomposites by Melt Extrusion Processes Via Masterbatch Approach. <i>Advances in Polymer Technology</i> , 2018, 37, 1067-1075.	1.7	18
9	Numerical simulation of reactive polymer flow during rotational molding using smoothed particle hydrodynamics method and experimental verification. <i>International Journal of Material Forming</i> , 2018, 11, 583-592.	2.0	4
10	Contribution for a better characterization of the tensile mechanical behaviour of flax/PP biocomposite materials. <i>Materials Research Express</i> , 2018, 5, 125504.	1.6	3
11	A method of measuring the effective thermal conductivity of thermoplastic foams. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
12	Vibrational energy-harvesting performance of bio-sourced flexible polyamide 11/layered silicate nanocomposite films. <i>International Journal of Polymer Analysis and Characterization</i> , 2017, 22, 72-82.	1.9	5
13	Toughening of poly(lactic acid) without sacrificing stiffness and strength by melt-blending with polyamide 11 and selective localization of halloysite nanotubes. <i>AIP Conference Proceedings</i> , 2016, , .	0.4	8
14	Numerical analysis of effective thermal conductivity of plastic foams. <i>Journal of Materials Science</i> , 2016, 51, 9217-9228.	3.7	17
15	In situ fibrillation of polypropylene/polyamide 6 blends: Effect of organoclay addition. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	9
16	Study of partial shape memory effect of polymers by multicycle tests. <i>Polymer Composites</i> , 2015, 36, 1145-1151.	4.6	9
17	Numerical simulation on the flow and heat transfer of polymer powder in rotational molding. <i>International Journal of Material Forming</i> , 2015, 8, 423-438.	2.0	18
18	Limit of adhesion coefficient measurement of a unidirectional carbon fabric. <i>Advanced Manufacturing: Polymer and Composites Science</i> , 2015, 1, 152-159.	0.4	0

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19	Chemical foaming extrusion of poly(lactic acid) with chain-extenders: Physical and morphological characterizations. <i>European Polymer Journal</i> , 2015, 67, 40-49.	5.4	36
20	Melt-blended halloysite nanotubes/wheat starch nanocomposites as drug delivery system. <i>Polymer Engineering and Science</i> , 2015, 55, 573-580.	3.1	32
21	Preparation and characterization of plasticized starch/halloysite porous nanocomposites possibly suitable for biomedical applications. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	34
22	Phosphorous antioxidants against polypropylene thermal degradation during rotational molding kinetic modeling. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	5
23	Studies on the effect of storage time and plasticizers on the structural variations in thermoplastic starch. <i>Carbohydrate Polymers</i> , 2015, 115, 364-372.	10.2	93
24	Processing and Characterization of Polypropylene Filled with Multiwalled Carbon Nanotube and Clay Hybrid Nanocomposites. <i>International Journal of Polymer Analysis and Characterization</i> , 2014, 19, 363-371.	1.9	18
25	Processing induced degradation of nanoclay organic modifier in melt mixed PET/PE blends during twin screw extrusion at industrial scale: Effect on morphology and mechanical behavior. <i>Journal of Applied Polymer Science</i> , 2014, 131, .	2.6	4
26	Deformation mechanisms of plasticized starch materials. <i>Carbohydrate Polymers</i> , 2014, 114, 450-457.	10.2	43
27	Investigation of Stress and Temperature Effect on the Longitudinal Ultrasonic Waves in Polymers. <i>Research in Nondestructive Evaluation</i> , 2014, 25, 20-29.	1.1	24
28	Evaluation of rheological properties of non-Newtonian fluids in micro rheology compounder: Experimental procedures for a reliable polymer melt viscosity measurement. <i>Polymer Testing</i> , 2014, 40, 207-217.	4.8	32
29	Poly(lactic acid)/halloysite nanotubes nanocomposites: Structure, thermal, and mechanical properties as a function of halloysite treatment. <i>Journal of Applied Polymer Science</i> , 2013, 128, 1895-1903.	2.6	47
30	Development of water blown bio based thermoplastic polyurethane foams using bio derived chain extender. <i>Journal of Applied Polymer Science</i> , 2013, 128, 292-303.	2.6	47
31	Plasticized-starch/poly(ethylene oxide) blends prepared by extrusion. <i>Carbohydrate Polymers</i> , 2013, 91, 253-261.	10.2	53
32	Compatibilization of Immiscible Polymer Blends by Organoclay: Effect of Nanofiller or Organo Modifier?. <i>Macromolecular Materials and Engineering</i> , 2013, 298, 757-770.	3.6	30
33	Morphology and mechanical properties of PET/PE blends compatibilized by nanoclays: Effect of thermal stability of nanofiller organic modifier. <i>Journal of Applied Polymer Science</i> , 2013, 128, 2766-2778.	2.6	29
34	Characterisation of low-odour emissive polylactide/cellulose fibre biocomposites for car interior. <i>EXPRESS Polymer Letters</i> , 2013, 7, 787-804.	2.1	31
35	Highly dispersed polyamide 11/halloysite nanocomposites: Thermal, rheological, optical, dielectric, and mechanical properties. <i>Journal of Applied Polymer Science</i> , 2013, 130, 313-321.	2.6	54
36	Metallocene polypropylene crystallization kinetic during cooling in rotational molding thermal condition. <i>Journal of Applied Polymer Science</i> , 2013, 130, 222-233.	2.6	6

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37	Effect of injection molding parameters on nanofillers dispersion in masterbatch based PP-clay nanocomposites. EXPRESS Polymer Letters, 2012, 6, 237-248.	2.1	28
38	Tailoring the properties of thermoplastic starch by blending with cinnamyl alcohol and radiation processing: An insight into the competitive grafting and scission reactions. Radiation Physics and Chemistry, 2012, 81, 986-990.	2.8	8
39	Preparation and properties of novel melt-blended halloysite nanotubes/wheat starch nanocomposites. Carbohydrate Polymers, 2012, 89, 920-927.	10.2	84
40	The role of strain-induced structural changes on the mechanical behavior of PA6/PE multilayer films under uniaxial drawing. Polymer, 2012, 53, 5336-5346.	3.8	13
41	Development of poly(lactic acid) cellular materials: Physical and morphological characterizations. Polymer, 2012, 53, 5885-5895.	3.8	28
42	Mechanical and Optical Properties of Polyamide 6/Clay Nanocomposite Cast Films: Influence of the Degree of Exfoliation. Macromolecular Materials and Engineering, 2012, 297, 444-454.	3.6	41
43	Mechanical behaviour and essential work of fracture of halloysite nanotubes filled polyamide 6 nanocomposites. Composites Science and Technology, 2011, 71, 1859-1866.	7.8	117
44	Efficient one-step melt-compounding of copolyetheramide/pristine clay nanocomposites using water-injection as intercalating/exfoliating aid. EXPRESS Polymer Letters, 2011, 5, 1085-1101.	2.1	22
45	A constitutive model for semi-crystalline polymers at high temperature and finite plastic strain: Application to PA6 and PE biaxial stretching. Mechanics of Materials, 2010, 42, 686-697.	3.2	29
46	Optimization of polyethylene/binder/polyamide extrusion blow-molded films. III. Slippability improvement with fatty acid amides. Journal of Applied Polymer Science, 2010, 115, 2332-2345.	2.6	7
47	Thermosetting (bio)materials derived from renewable resources: A critical review. Progress in Polymer Science, 2010, 35, 487-509.	24.7	782
48	Masterbatch-based multi-walled carbon nanotube filled polypropylene nanocomposites: Assessment of rheological and mechanical properties. Composites Science and Technology, 2009, 69, 1756-1763.	7.8	341
49	A new elaboration concept of polypropylene/unmodified Montmorillonite nanocomposites by reactive extrusion based on direct injection of polypropylene aqueous suspensions. Polymer Engineering and Science, 2009, 49, 2276-2285.	3.1	19
50	Trichroic infrared analysis of the strain-induced structural changes in the PA6 layer of PA6/PE multilayer films under biaxial drawing. Polymer, 2009, 50, 5812-5823.	3.8	13
51	Characterization of extrusion flow using particle image velocimetry. EXPRESS Polymer Letters, 2009, 3, 569-578.	2.1	3
52	Taguchi analysis of shrinkage and warpage of injection-moulded polypropylene/multiwall carbon nanotubes nanocomposites. EXPRESS Polymer Letters, 2009, 3, 630-638.	2.1	36
53	Multi-walled carbon nanotube filled polypropylene nanocomposites based on masterbatch route: Improvement of dispersion and mechanical properties through PP-g-MA addition. EXPRESS Polymer Letters, 2008, 2, 735-745.	2.1	185
54	Mechanical, Optical and Barrier Properties of Pa6/Nanoclay-Based Single- and Multilayer Blown Films. Polymers and Polymer Composites, 2008, 16, 349-358.	1.9	14

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55	Polyamide-6/Clay Nanocomposites: A Critical Review. <i>Polymers and Polymer Composites</i> , 2006, 14, 13-38.	1.9	27
56	Optimization of PE/Binder/PA extrusion blow-molded films. I. Heat sealing ability improvement using PE/EVA blends. <i>Journal of Applied Polymer Science</i> , 2006, 99, 974-985.	2.6	20
57	Optimization of PE/binder/PA extrusion blow-molded films. II. Adhesion properties improvement using binder/EVA blends. <i>Journal of Applied Polymer Science</i> , 2006, 101, 118-127.	2.6	29
58	Weld-line sensitivity of injected amorphous polymers. <i>Journal of Applied Polymer Science</i> , 2004, 93, 644-650.	2.6	21
59	Die swell of thermoplastic polyurethanes: A peculiar behavior. <i>Journal of Applied Polymer Science</i> , 2001, 80, 1710-1724.	2.6	5
60	Development of Water Blown Bio-Based Thermoplastic Polyurethane Foams. <i>Advanced Materials Research</i> , 0, 584, 361-365.	0.3	1
61	Processing and Mechanical Behaviour of Halloysite Filled Starch Based Nanocomposites. <i>Advanced Materials Research</i> , 0, 584, 445-449.	0.3	4
62	Transversely Isotropic Hyperelastic Constitutive Models for Plastic Thermoforming Simulation. <i>Key Engineering Materials</i> , 0, 554-557, 1715-1728.	0.4	2
63	Modeling of Multilayered Sheets for Thermoforming Applications. <i>Advanced Materials Research</i> , 0, 941-944, 2378-2382.	0.3	0