Roberto Pantani

List of Publications by Year
in descending order

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174 papers	4,257 citations	126907 33 h-index	138484 58 g-index
176 all docs	176 docs citations	176 times ranked	3465 citing authors

#	Article	IF	Citations
1	Modeling of morphology evolution in the injection molding process of thermoplastic polymers. Progress in Polymer Science, 2005, 30, 1185-1222.	24.7	236
2	PLA-ZnO nanocomposite films: Water vapor barrier properties and specific end-use characteristics. European Polymer Journal, 2013, 49, 3471-3482.	5.4	219
3	Effect of PLA grades and morphologies on hydrolytic degradation at composting temperature: Assessment of structural modification and kinetic parameters. Polymer Degradation and Stability, 2013, 98, 1006-1014.	5.8	216
4	Influence of crystallinity on the biodegradation rate of injection-moulded poly(lactic acid) samples in controlled composting conditions. Polymer Degradation and Stability, 2013, 98, 1089-1096.	5.8	201
5	Crystallization kinetics and solidified structure in iPP under high cooling rates. Polymer, 2003, 44, 307-318.	3.8	116
6	PLA/Halloysite Nanocomposite Films: Water Vapor Barrier Properties and Specific Key Characteristics. Macromolecular Materials and Engineering, 2014, 299, 104-115.	3.6	115
7	Crystallization kinetics of virgin and processed poly(lactic acid). Polymer Degradation and Stability, 2010, 95, 1148-1159.	5.8	114
8	Effective de-icing skin using graphene-based flexible heater. Composites Part B: Engineering, 2019, 162, 600-610.	12.0	109
9	Thermal and hydrolytic degradation kinetics of PLA in the molten state. Polymer Degradation and Stability, 2014, 100, 37-41.	5.8	104
10	Nucleation and crystallization kinetics of poly(lactic acid). Thermochimica Acta, 2011, 522, 128-134.	2.7	103
11	Shear-Induced Nucleation and Growth in Isotactic Polypropylene. Macromolecules, 2010, 43, 9030-9038.	4.8	102
12	Morphology evolution during injection molding: Effect of packing pressure. Polymer, 2007, 48, 2778-2790.	3.8	82
13	Hydrolysis and Biodegradation of Poly(lactic acid). Advances in Polymer Science, 2017, , 119-151.	0.8	74
14	Spherulitic Nucleation and Growth Rates in an iPP under Continuous Shear Flow. Macromolecules, 2008, 41, 9214-9223.	4.8	63
15	Lightweight High-Performance Polymer Composite for Automotive Applications. Polymers, 2019, 11, 326.	4.5	59
16	As-molded shrinkage measurements on polystyrene injection molded products. Polymer Engineering and Science, 1998, 38, 254-264.	3.1	58
17	FTIR analysis of hydrolysis in aliphatic polyesters. Polymer Degradation and Stability, 2007, 92, 1491-1497.	5.8	56
18	Foam injection molding of poly(lactic acid) with environmentally friendly physical blowing agents. Journal of Materials Processing Technology, 2014, 214, 3098-3107.	6.3	56

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19	Molecular orientation in injection molding: experiments and analysis. Rheologica Acta, 2004, 43, 109-118.	2.4	53
20	Analysis of Shrinkage Development of a Semicrystalline Polymer during Injection Molding. Industrial & Engineering Chemistry Research, 2010, 49, 2469-2476.	3.7	51
21	Simultaneous morphological and rheological measurements on polypropylene: Effect of crystallinity on viscoelastic parameters. Journal of Rheology, 2015, 59, 377-390.	2.6	46
22	Development of a rapid surface temperature variation system and application to micro-injection molding. Journal of Materials Processing Technology, 2016, 237, 1-11.	6.3	46
23	Relevance of mold-induced thermal boundary conditions and cavity deformation in the simulation of injection molding. Polymer Engineering and Science, 2001, 41, 2022-2035.	3.1	45
24	Use of sunflower seed fried oil as an ecofriendly plasticizer for starch and application of this thermoplastic starch as a filler for PLA. Industrial Crops and Products, 2018, 122, 545-552.	5.2	45
25	Pressure-dependent viscosity and free volume of atactic and syndiotactic polystyrene. Rheologica Acta, 2009, 48, 467-478.	2.4	41
26	Melt compounding of poly (Lactic Acid) and talc: assessment of material behavior during processing and resulting crystallization. Journal of Polymer Research, 2015, 22, 1.	2.4	39
27	Improving the predictions of injection molding simulation software. Polymer Engineering and Science, 2011, 51, 2542-2551.	3.1	37
28	Manufacturing of advanced biodegradable polymeric components. Journal of Applied Polymer Science, 2015, 132, .	2.6	37
29	Effect of flow-induced crystallization on the distribution of spherulite dimensions along cross section of injection molded parts. European Polymer Journal, 2017, 97, 220-229.	5.4	37
30	Carbon nanotubes and expanded graphite based bulk nanocomposites for de-icing applications. Composites Part B: Engineering, 2021, 207, 108583.	12.0	37
31	Molecular orientation and strain in injection moulding of thermoplastics. Macromolecular Symposia, 2002, 185, 293-307.	0.7	35
32	Pressure Effect on Viscosity for Atactic and Syndiotactic Polystyrene. Polymer Bulletin, 2005, 54, 365-376.	3.3	35
33	Electrical conductivity of carbon nanotubes grown inside a mesoporous anodic aluminium oxide membrane. Carbon, 2013, 55, 10-22.	10.3	34
34	Characterization of the Polycaprolactone Melt Crystallization: Complementary Optical Microscopy, DSC, and AFM Studies. Scientific World Journal, The, 2014, 2014, 1-9.	2.1	34
35	Effect of shear flow on spherulitic growth and nucleation rates of polypropylene. Polymer, 2016, 90, 102-110.	3.8	33
36	Effect of molding conditions on crystallization kinetics and mechanical properties of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	3.1	33

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37	Poly(Lactic Acid)-Based Nanobiocomposites with Modulated Degradation Rates. Materials, 2018, 11, 1943.	2.9	33
38	Kinetics of melting and characterization of the thermodynamic and kinetic properties of syndiotactic polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 196-207.	2.1	32
39	Effect of mold opening on the properties of PLA samples obtained by foam injection molding. Polymer Engineering and Science, 2018, 58, 475-484.	3.1	32
40	Description of PVT behavior of an industrial polypropylene-EPR copolymer in process conditions. Journal of Applied Polymer Science, 2001, 81, 267-278.	2.6	30
41	Evolution of iPP Relaxation Spectrum during Crystallization. Macromolecular Theory and Simulations, 2014, 23, 300-306.	1.4	30
42	Replication of micro and nano-features on iPP by injection molding with fast cavity surface temperature evolution. Materials and Design, 2017, 133, 559-569.	7.0	30
43	Biodegradable antimicrobial films based on poly(lactic acid) matrices and active azo compounds. Journal of Applied Polymer Science, 2015, 132, .	2.6	29
44	Relevance of Crystallisation Kinetics in the Simulation of the Injection Molding Process. International Polymer Processing, 2001, 16, 61-71.	0.5	28
45	Nucleation density and growth rate of polypropylene measured by calorimetric experiments. Journal of Thermal Analysis and Calorimetry, 2013, 112, 1481-1488.	3.6	28
46	Hierarchical Structure of iPP During Injection Molding Process with Fast Mold Temperature Evolution. Materials, 2019, 12, 424.	2.9	28
47	Morphology of injection moulded iPP samples. Macromolecular Symposia, 2002, 185, 309-326.	0.7	26
48	Analysis of gate freeze-off time in injection molding. Polymer Engineering and Science, 2004, 44, 1-17.	3.1	26
49	Fibrillar Morphology in Shear-Induced Crystallization of Polypropylene. Macromolecular Materials and Engineering, 2014, 299, 1465-1473.	3.6	26
50	Comparison of Degradation Behavior of Newly Developed Encapsulation Materials for Photovoltaic Applications under Different Artificial Ageing Tests. Polymers, 2021, 13, 271.	4.5	26
51	Flowâ€Induced Morphology of iPP Solidified in a Shear Device. Macromolecular Materials and Engineering, 2012, 297, 60-67.	3.6	25
52	Barrier properties of PLA to water vapour: Effect of temperature and morphology. Macromolecular Research, 2013, 21, 1110-1117.	2.4	24
53	Ejection force of tubular injection moldings. Part II: A prediction model. Polymer Engineering and Science, 2005, 45, 325-332.	3.1	23
54	Injection molding of syndiotactic polystyrene/clay nanocomposites. Polymer Engineering and Science, 2006, 46, 1768-1777.	3.1	23

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55	Monitoring of injection molding of thermoplastics: Average solidification pressure as a key parameter for quality control. Macromolecular Research, 2011, 19, 542-554.	2.4	23
56	Determination of the effect of pressure on viscosity of an isotactic polypropylene. Polymer Bulletin, 2013, 70, 2005-2014.	3.3	23
57	Preparation, processing and analysis of physical properties of calcium ferrite-CNTs/PET nano-composite. Composites Part B: Engineering, 2015, 81, 44-52.	12.0	23
58	Modulation of Biodegradation Rate of Poly(lactic acid) by Silver Nanoparticles. Journal of Polymers and the Environment, 2015, 23, 316-320.	5.0	23
59	PLA Melt Stabilization by High-Surface-Area Graphite and Carbon Black. Polymers, 2018, 10, 139.	4.5	23
60	Low-Voltage Icing Protection Film for Automotive and Aeronautical Industries. Nanomaterials, 2020, 10, 1343.	4.1	23
61	Effect of Rapid Mold Heating on the Structure and Performance of Injection-Molded Polypropylene. Polymers, 2020, 12, 341.	4.5	23
62	Effects of water sorption on poly(lactic acid). Polymer, 2016, 99, 130-139.	3.8	22
63	Validation of a model to predict birefringence in injection molding. European Polymer Journal, 2005, 41, 1484-1492.	5.4	21
64	Optical Properties of Polypropylene upon Recycling. Scientific World Journal, The, 2013, 2013, 1-7.	2.1	21
65	Assessment of ball milling methodology to develop polylactideâ€bacterial cellulose nanocrystals nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	2.6	20
66	Thirty Years of Modeling of Injection Molding. A Brief Review of the Contribution of UNISA Code to the Field. International Polymer Processing, 2016, 31, 655-663.	0.5	20
67	PCL/Mesoglycan Devices Obtained by Supercritical Foaming and Impregnation. Pharmaceutics, 2019, 11, 631.	4.5	20
68	Modelling of morphology development towards spherulites and shishâ€kebabs: Application to isothermal flow-induced crystallization experiments on isotactic polypropylene. Polymer, 2020, 196, 122459.	3.8	19
69	Polymeric foam-ferromagnet composites as smart lightweight materials. Smart Materials and Structures, 2016, 25, 055014.	3.5	18
70	Foam injection molding of poly(lactic) acid: Effect of back pressure on morphology and mechanical properties. Journal of Applied Polymer Science, 2015, 132, .	2.6	17
71	Dynamic local temperature control in microâ€injection molding: Effects on poly(lactic acid) morphology. Polymer Engineering and Science, 2018, 58, 586-591.	3.1	17
72	Transport properties of water vapor through hemp fibers modified with a sustainable process: Effect of surface morphology on the thermodynamic and kinetic phenomena. Applied Surface Science, 2021, 541, 148433.	6.1	17

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73	Hybrid clayâ€carbon nanotube/PET composites: Preparation, processing, and analysis of physical properties. Journal of Applied Polymer Science, 2014, 131, .	2.6	16
74	Processing and properties of biodegradable compounds based on aliphatic polyesters. Journal of Applied Polymer Science, 2015, 132, .	2.6	16
75	Flexible eco-friendly multilayer film heaters. Composites Part B: Engineering, 2021, 224, 109208.	12.0	16
76	Evolution of Morphology of iPP in Processing Conditions. International Polymer Processing, 2005, 20, 186-190.	0.5	15
77	Analysis of flow induced crystallization through molecular stretch. Polymer, 2016, 105, 187-194.	3.8	15
78	Supercritical CO2 impregnation of caffeine in biopolymer films to produce anti-cellulite devices. Journal of Supercritical Fluids, 2022, 179, 105411.	3.2	15
79	Solidification Criterion on Shrinkage Predictions for Semi-crystalline Injection Moulded Samples. International Polymer Processing, 2000, 15, 284-290.	0.5	14
80	Determination of crystallinity of an aliphatic polyester by FTIR spectroscopy. Polymer Bulletin, 2007, 59, 403-412.	3.3	14
81	Replication of Micro- and Nanofeatures in Injection Molding of Two PLA Grades with Rapid Surface-Temperature Modulation. Materials, 2018, 11, 1442.	2.9	14
82	Hydrophobicity Tuning by the Fast Evolution of Mold Temperature during Injection Molding. Polymers, 2018, 10, 322.	4.5	14
83	Isothermal crystallization of <scp>PLA</scp>: Nucleation density and growth rates of Î± and Î±' phases. Canadian Journal of Chemical Engineering, 2020, 98, 1998-2007.	1.7	14
84	Rheological and mechanical behavior of ethyl vinyl acetate/low density polyethylene blends for injection molding. Journal of Applied Polymer Science, 2013, 127, 1157-1163.	2.6	13
85	Process Induced Morphology Development of Isotactic Polypropylene on the Basis of Molecular Stretch and Mechanical Work Evolutions. Materials, 2019, 12, 505.	2.9	13
86	Degradation kinetics and rheology of biodegradable polymers. Journal of Thermal Analysis and Calorimetry, 2009, 98, 645-653.	3.6	12
87	Modelling morphology evolution during solidification of IPP in processing conditions. AIP Conference Proceedings, 2014, , .	0.4	12
88	A spectroscopic approach to assess transport properties of water vapor in PLA. Polymer Testing, 2015, 44, 15-22.	4.8	12
89	Determination of the effect of pressure on viscosity at high shear rates by using an injection molding machine. Journal of Applied Polymer Science, 2018, 135, 45277.	2.6	12
90	Poly(Lactic Acid): Flow-Induced Crystallization. Advances in Polymer Science, 2019, , 87-117.	0.8	12

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91	Fused Filament Deposition of PLA: The Role of Interlayer Adhesion in the Mechanical Performances. Polymers, 2021, 13, 399.	4.5	12
92	In-Mould Shrinkage Measurements of PS Samples with Strain Gages. International Polymer Processing, 1997, 12, 396-402.	0.5	11
93	Crystallization kinetics and PVT behavior of poly(vinylidene fluoride) in process conditions. Journal of Applied Polymer Science, 2003, 89, 3396-3403.	2.6	11
94	A Criterion for the Formation of Fibrillar Layers in Injection Molded Parts. International Polymer Processing, 2018, 33, 355-362.	0.5	11
95	UV Irradiated Graphene-Based Nanocomposites: Change in the Mechanical Properties by Local HarmoniX Atomic Force Microscopy Detection. Materials, 2019, 12, 962.	2.9	10
96	Prediction of morphology development within microâ€“injection molding samples. Polymer, 2021, 228, 123850.	3.8	10
97	Effect of pressure and temperature history on volume relaxation of amorphous polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 2003, 41, 1526-1537.	2.1	9
98	Morphology Evolution During Polymer Crystallization Simultaneous Calorimetric and Optical Measurements. Macromolecular Symposia, 2006, 234, 7-12.	0.7	9
99	Crystallization of syndiotactic polystyrene under high pressure and cooling rate. Macromolecular Research, 2010, 18, 1045-1052.	2.4	9
100	Foam injection molding of poly(lactic acid) with physical blowing agents. AIP Conference Proceedings, 2014, , .	0.4	9
101	Tuning the hydrolytic degradation rate of poly-lactic acid (PLA) to more durable applications. AIP Conference Proceedings, 2017, , .	0.4	9
102	Magneto-mechanical behavior of elastomeric carbonyl iron particles composite foams produced by foam injection molding. Journal of Magnetism and Magnetic Materials, 2018, 466, 44-54.	2.3	9
103	Analysis of Shrinkage Development of Injection Moulded PS Samples. International Polymer Processing, 1999, 14, 183-190.	0.5	9
104	Characterization of Recycled/Virgin Polyethylene Terephthalate Composite Reinforced with Glass Fiber for Automotive Applications. Journal of Composites Science, 2022, 6, 59.	3.0	9
105	A novel apparatus for solidification of polymer samples under simultaneous high pressures and high cooling rates. Review of Scientific Instruments, 2005, 76, 083901.	1.3	8
106	Anisotropic shrinkage of injection molded poly vinylidene fluoride samples. Polymer Engineering and Science, 2007, 47, 1788-1795.	3.1	8
107	Injection molding of magneto-sensitive polymer composites. Materials Today Communications, 2018, 15, 280-287.	1.9	8
108	Modeling of the Injection Molding Process Coupled with the Fast Mold Temperature Evolution. Journal of the Electrochemical Society, 2019, 166, B3148-B3155.	2.9	8

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109	Flow-induced crystallization of a Poly(Lactic acid): Effect of the application of low shear rates on the polymorphous crystallization. Polymer, 2021, 229, 123997.	3.8	8
110	Pressure and cooling rate-induced densification of atactic polystyrene. Journal of Applied Polymer Science, 2003, 89, 184-190.	2.6	7
111	Melting and zero growth rate temperatures of syndiotactic polystryrene. Colloid and Polymer Science, 2008, 286, 983-991.	2.1	7
112	Twoâ€phase crystallization kinetics of syndiotactic polystyrene. Journal of Polymer Science, Part B: Polymer Physics, 2010, 48, 1757-1766.	2.1	7
113	Monitoring of Injection Moulding of Thermoplastics: Adopting Pressure Transducers to Estimate the Solidification History and the Shrinkage of Moulded Parts. Strojniski Vestnik/Journal of Mechanical Engineering, 2013, 59, 677-682.	1.1	7
114	Effect of processing condition on properties of polylactic acid parts obtained by foam injection molding. Journal of Cellular Plastics, 2017, 53, 491-502.	2.4	7
115	Orientation distribution in injection molding: a further step toward more accurate simulations. Rheologica Acta, 2012, 51, 1041-1050.	2.4	6
116	Magnetic field-structuring as versatile approach to shape the anisotropic mechanical response of composite foams. Composites Part B: Engineering, 2021, 212, 108659.	12.0	6
117	Multi-Scale Simulation of Injection Molding Process with Microâ€“Features Replication: Relevance of Rheological Behaviour and Crystallization. Polymers, 2021, 13, 3236.	4.5	6
118	Structural organization and transport properties of iPP/LLDPE blends solidified at controlled cooling rates. Journal of Applied Polymer Science, 2001, 82, 2237-2244.	2.6	5
119	Process-Induced Morphology Distribution in Injection Molded Syndiotactic Polystyrene Samples. Industrial & Engineering Chemistry Research, 2012, 51, 10840-10847.	3.7	5
120	Spherulitic nucleation and growth rates in a sheared polypropylene melt. , 2014, , .		5
121	Physical changes of poly(lactic acid) induced by water sorption. AIP Conference Proceedings, 2015, , .	0.4	5
122	Modeling morphology evolution during injection molding of thermoplastic polymers. AIP Conference Proceedings, 2015, , .	0.4	5
123	A method to obtain the quantitative orientation of semicrystalline structures in polymers by atomic force microscopy. EXPRESS Polymer Letters, 2021, 15, 1114-1125.	2.1	5
124	Polycaprolactone/polyethylene-glycol capsules made by injection molding: A drug release modeling. Materials Science and Engineering C, 2021, 123, 112036.	7.3	5
125	Prediction of the maximum flow length of a thin injection molded part. Journal of Polymer Engineering, 2020, 40, 783-795.	1.4	5
126	Morphology predictions in molded parts: a Multiphysics approach. Chemical Engineering Research and Design, 2022, , .	5.6	5

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127	Adopting the Experimental Pressure Evolution to Monitor Online the Shrinkage in Injection Molding. Industrial & Engineering Chemistry Research, 2012, 51, 16034-16041.	3.7	4
128	Biodegradable compounds: Rheological, mechanical and thermal properties. AIP Conference Proceedings, 2015, , .	0.4	4
129	Micromolded Polylactid Acid With Selective Degradation Rate. Frontiers in Materials, 2019, 6, .	2.4	4
130	Reinforced Smart Foams Produced with Time-Profiled Magnetic Fields. Polymers, 2021, 13, 24.	4.5	4
131	A layer-by-layer approach based on APTES/Cloisite to produce novel and sustainable high performances materials based on hemp fiberboards. Polymer Degradation and Stability, 2022, 198, 109892.	5.8	4
132	As-molded shrinkage on industrial polypropylene injection molded parts: experiments and analysis. International Journal of Material Forming, 2008, 1, 719-722.	2.0	3
133	Fast temperature evolution on the mold surface: Analysis and simulation. AIP Conference Proceedings, 2016, , .	0.4	3
134	Smart behavior of elastomeric composites produced by injection molding. Journal of Applied Polymer Science, 2018, 135, 46863.	2.6	3
135	Innovative design and simulation study of a mould for rapid temperature control in micro-injection moulding. AIP Conference Proceedings, 2019, , .	0.4	3
136	State-of-the-Art Polymer Science and Technology in Italy. Polymers, 2020, 12, 1721.	4.5	3
137	Crystallization kinetics of a fluorinated copolymer of tetrafluoroethylene. European Polymer Journal, 2004, 40, 2089-2095.	5.4	2
138	Fibrillar morphology formation in a sheared polypropylene melt. , 2014, , .		2
139	Injection molding of iPP samples in controlled conditions and resulting morphology. AIP Conference Proceedings, 2015, , .	0.4	2
140	Effect of crystallinity on the viscosity of an isotactic polypropylene. AIP Conference Proceedings, 2015, , .	0.4	2
141	Thermodynamic properties and crystallization kinetics of isotactic polypropylene under pressure. AIP Conference Proceedings, 2019, , .	0.4	2
142	<scp>GRICU</scp> 2019 special issue section preface. Canadian Journal of Chemical Engineering, 2020, 98, 1866-1867.	1.7	2
143	Foam injection molding of elastomers with iron microparticles. AIP Conference Proceedings, 2015, , .	0.4	1
144	Effect of an acid filler on hydrolysis and biodegradation of poly-lactic acid (PLA). AIP Conference Proceedings, 2015, , .	0.4	1

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145	Effect of pressure on viscosity at high shear rates by using an injection molding machine. AIP Conference Proceedings, 2015, , .	0.4	1
146	Effect of Draw Ratio on Physical, Release, and Antibacterial Properties of Poly(Îµâ€•caprolactone) Loaded with Lysozyme. Macromolecular Materials and Engineering, 2017, 302, 1700367.	3.6	1
147	Morphology and structure development during injection molding with fast mold temperature evolution. AIP Conference Proceedings, 2017, , .	0.4	1
148	Effect of processing conditions on the cell morphology distribution in foamed injection molded PLA samples. AIP Conference Proceedings, 2017, , .	0.4	1
149	Effects of fast mold temperature evolution on micro features replication quality during injection molding. AIP Conference Proceedings, 2017, , .	0.4	1
150	Fast mold surface temperature evolution: Challenges and opportunities. AIP Conference Proceedings, 2019, , .	0.4	1
151	Foam injection molding of magneto sensitive polymer composites. AIP Conference Proceedings, 2019, , .	0.4	1
152	Morphology Development and Control. , 2019, , 243-294.		1
153	Effect of the application of low shear rates on the crystallization kinetics of <scp>PLA</scp>. Polymer Crystallization, 2020, 3, e10139.	0.8	1
154	Effects of rapid cavity temperature variations on the crystallinity of PLA. AIP Conference Proceedings, 2020, , .	0.4	1
155	Morphology Evolution during Injection Molding: effect of packing pressure. AIP Conference Proceedings, 2007, , .	0.4	0
156	Distribution of morphology and transport properties of water vapor in injectionâ€•molded biodegradable aliphatic polyester. Journal of Applied Polymer Science, 2010, 117, 2831-2838.	2.6	0
157	Effects of an External Magnetic Field on Polymeric Foam-Ferromagnet Composites. Advances in Science and Technology, 0, , .	0.2	0
158	PLA-Based Nanobiocomposites with Modulated Biodegradation Rate. Lecture Notes in Bioengineering, 2018, , 51-60.	0.4	0
159	(Invited) Modeling Morphology Distribution in Injection Molded Polypropylene Parts. ECS Transactions, 2018, 88, 169-175.	0.5	0
160	Effect of rapid temperature variations on the resulting orientation and morphology of micro molded parts. AIP Conference Proceedings, 2018, , .	0.4	0
161	Replication of micro-features on PLA: Effect of viscosity during injection molding with fast evolution of cavity surface temperature. AIP Conference Proceedings, 2018, , .	0.4	0
162	Enhanced Durability of Graphene-Based Epoxy Films. Key Engineering Materials, 2019, 813, 279-284.	0.4	0

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163	Morphology development during polymer processing: Comparison with iPP injection molding experimental results. AIP Conference Proceedings, 2019, , .	0.4	0
164	Microinjection molded PLA parts with modulated degradation rates. AIP Conference Proceedings, 2019, , .	0.4	0
165	Modeling morphology distribution within injection molded parts. AIP Conference Proceedings, 2019, , .	0.4	0
166	Injection molding with time modulation of mold surface temperature. Analysis and modeling of pressure and temperature evolutions. AIP Conference Proceedings, 2019, , .	0.4	0
167	Morphology distribution within injection molded parts, interpretation on the basis of stretch and work evolutions. AIP Conference Proceedings, 2020, , .	0.4	0
168	New Aircraft Anti/de-Icing Technologies. IOP Conference Series: Materials Science and Engineering, 2021, 1024, 012012.	0.6	0
169	Natural resources derived biocomposites as potential carriers of green pesticides in agricultural field: Designing and fabrication of a potâ€like device. Journal of Applied Polymer Science, 2021, 138, 51240.	2.6	0
170	The 70th Birthday of Prof. Giuseppe Titomanlio. International Polymer Processing, 2016, 31, 530-531.	0.5	0
171	(Invited) Modeling Morphology Distribution in Injection Molded Polypropylene Parts. ECS Meeting Abstracts, 2018, , .	0.0	0
172	Structure/properties relationship within injection molding samples obtained by fast modulation of the cavity temperature. AIP Conference Proceedings, 2020, , .	0.4	0
173	Nucleation and Growth Rate of a Poly(Lactic Acid) in Quiescent Conditions. Lecture Notes in Bioengineering, 2020, , 41-47.	0.4	0
174	Injection Molding Simulation of Polyoxymethylene Using Crystallization Kinetics Data and Comparison with the Experimental Process. Polymer Crystallization, 2022, 2022, 1-15.	0.8	0