

# Felice De Santis

## List of Publications by Citations

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50  
papers

1,229  
citations

21  
h-index

34  
g-index

57  
ext. papers

1,393  
ext. citations

3.6  
avg, IF

4.61  
L-index

#	Paper	IF	Citations
50	Scanning Nanocalorimetry at High Cooling Rate of Isotactic Polypropylene. <i>Macromolecules</i> , <b>2006</b> , 39, 2562-2567	5.5	161
49	Isothermal Nanocalorimetry of Isotactic Polypropylene. <i>Macromolecules</i> , <b>2007</b> , 40, 9026-9031	5.5	133
48	Crystallization kinetics of virgin and processed poly(lactic acid). <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 1148-1159	4.7	103
47	Nucleation and crystallization kinetics of poly(lactic acid). <i>Thermochimica Acta</i> , <b>2011</b> , 522, 128-134	2.9	83
46	Strain and damage monitoring in carbon-nanotube-based composite under cyclic strain. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2015</b> , 71, 9-16	8.4	66
45	Effective de-icing skin using graphene-based flexible heater. <i>Composites Part B: Engineering</i> , <b>2019</b> , 162, 600-610	10	63
44	Analysis of Shrinkage Development of a Semicrystalline Polymer during Injection Molding. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2010</b> , 49, 2469-2476	3.9	45
43	Modeling the interactions between light and crystallizing polymer during fast cooling. <i>Applied Physics A: Materials Science and Processing</i> , <b>2004</b> , 78, 895-901	2.6	37
42	Development of a rapid surface temperature variation system and application to micro-injection molding. <i>Journal of Materials Processing Technology</i> , <b>2016</b> , 237, 1-11	5.3	34
41	Synthesis and characterization of P(MMA-AA) copolymers for targeted oral drug delivery. <i>Polymer Bulletin</i> , <b>2009</b> , 62, 679-688	2.4	32
40	Melt compounding of poly (Lactic Acid) and talc: assessment of material behavior during processing and resulting crystallization. <i>Journal of Polymer Research</i> , <b>2015</b> , 22, 1	2.7	31
39	Effect of shear flow on spherulitic growth and nucleation rates of polypropylene. <i>Polymer</i> , <b>2016</b> , 90, 102-110	3.9	26
38	Analysis of gate freeze-off time in injection molding. <i>Polymer Engineering and Science</i> , <b>2004</b> , 44, 1-17	2.3	26
37	Nucleation density and growth rate of polypropylene measured by calorimetric experiments. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2013</b> , 112, 1481-1488	4.1	24
36	Biodegradable antimicrobial films based on poly(lactic acid) matrices and active azo compounds. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	24
35	Effect of mold opening on the properties of PLA samples obtained by foam injection molding. <i>Polymer Engineering and Science</i> , <b>2018</b> , 58, 475-484	2.3	23
34	Effect of molding conditions on crystallization kinetics and mechanical properties of poly(lactic acid). <i>Polymer Engineering and Science</i> , <b>2017</b> , 57, 306-311	2.3	23

33	Characterization of the polycaprolactone melt crystallization: complementary optical microscopy, DSC, and AFM studies. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 720157	2.2	23
32	The influence of dissolution conditions on the drug ADME phenomena. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 79, 382-91	5.7	23
31	Crystallization during fast cooling experiments, a novel apparatus for real time monitoring. <i>Macromolecular Symposia</i> , <b>2002</b> , 185, 181-196	0.8	22
30	Fibrillar Morphology in Shear-Induced Crystallization of Polypropylene. <i>Macromolecular Materials and Engineering</i> , <b>2014</b> , 299, 1465-1473	3.9	21
29	Heat transfer and crystallization kinetics during fast cooling of thin polymer films. <i>Heat and Mass Transfer</i> , <b>2007</b> , 43, 1143-1150	2.2	18
28	Improved experimental characterization of crystallization kinetics. <i>European Polymer Journal</i> , <b>2005</b> , 41, 2297-2302	5.2	17
27	Effects of water sorption on poly(lactic acid). <i>Polymer</i> , <b>2016</b> , 99, 130-139	3.9	17
26	A new method for on-line monitoring of non isothermal crystallization kinetics of polymers. <i>Polymer Bulletin</i> , <b>2002</b> , 48, 207-212	2.4	15
25	PLA Melt Stabilization by High-Surface-Area Graphite and Carbon Black. <i>Polymers</i> , <b>2018</b> , 10,	4.5	13
24	The rheological and crystallization behavior of polyoxymethylene. <i>Polymer Testing</i> , <b>2017</b> , 57, 203-208	4.5	12
23	Optical properties of polypropylene upon recycling. <i>Scientific World Journal, The</i> , <b>2013</b> , 2013, 354093	2.2	12
22	A spectroscopic approach to assess transport properties of water vapor in PLA. <i>Polymer Testing</i> , <b>2015</b> , 44, 15-22	4.5	11
21	Polymer Crystallization Under High Cooling Rate and Pressure: A Step Towards Polymer Processing Conditions <b>2007</b> , 329-344		11
20	Dynamic local temperature control in micro-injection molding: Effects on poly(lactic acid) morphology. <i>Polymer Engineering and Science</i> , <b>2018</b> , 58, 586-591	2.3	10
19	Morphology Evolution During Polymer Crystallization Simultaneous Calorimetric and Optical Measurements. <i>Macromolecular Symposia</i> , <b>2006</b> , 234, 7-12	0.8	9
18	Analysis of flow induced crystallization through molecular stretch. <i>Polymer</i> , <b>2016</b> , 105, 187-194	3.9	9
17	Optical in situ characterization of isotactic polypropylene crystallization using an LED array in avalanche-photoreceiver mode. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2006</b> , 55, 123-127	5.2	8
16	Modelling morphology evolution during solidification of IPP in processing conditions <b>2014</b> ,		7

15	Mimicking the contractions of a human stomach and their effect on pharmaceuticals. <i>Journal of Drug Delivery Science and Technology</i> , <b>2017</b> , 41, 454-461	4.5	7
14	Antimicrobial azobenzene compounds and their potential use in biomaterials <b>2016</b> ,		7
13	Physical changes of poly(lactic acid) induced by water sorption <b>2015</b> ,		4
12	Spherulitic nucleation and growth rates in a sheared polypropylene melt <b>2014</b> ,		3
11	Modeling morphology evolution during injection molding of thermoplastic polymers <b>2015</b> ,		3
10	Fibrillar morphology formation in a sheared polypropylene melt <b>2014</b> ,		2
9	As-molded shrinkage on industrial polypropylene injection molded parts: experiments and analysis. <i>International Journal of Material Forming</i> , <b>2008</b> , 1, 719-722	2	2
8	Crystallization kinetics of a fluorinated copolymer of tetrafluoroethylene. <i>European Polymer Journal</i> , <b>2004</b> , 40, 2089-2095	5.2	2
7	Morphology Development and Control <b>2019</b> , 243-294		1
6	Iron Chelates: Production Processes and Reaction Evolution Analysis. <i>Chemical Engineering Communications</i> , <b>2016</b> , 203, 861-869	2.2	1
5	Effect of processing conditions on the cell morphology distribution in foamed injection molded PLA samples <b>2017</b> ,		1
4	Injection molding of iPP samples in controlled conditions and resulting morphology <b>2015</b> ,		1
3	Prediction of the maximum flow length of a thin injection molded part. <i>Journal of Polymer Engineering</i> , <b>2020</b> , 40, 783-795	1.4	1
2	Alternatives to Laboratory Animals: In Vitro and In Silico Approaches. <i>Scientia Pharmaceutica</i> , <b>2010</b> , 78, 589-589	4.3	
1	PLA-Based Nanobiocomposites with Modulated Biodegradation Rate. <i>Lecture Notes in Bioengineering</i> , <b>2018</b> , 51-60	0.8	