Donatella Duraccio

List of Publications by Citations

32 papers	1,352 citations	15 h-index	33 g-index
33 ext. papers	1,483 ext. citations	4.8 avg, IF	4.64 L-index

#	Paper	IF	Citations
32	Food packaging based on polymer nanomaterials. *Progress in Polymer Science*, **2011**, 36, 1766-1782	29.6	640
31	Polylactic acid/zinc oxide biocomposite films for food packaging application. *International Journal of Biological Macromolecules*, **2016**, 88, 254-62	7.9	150
30	Biomaterials for dental implants: current and future trends. *Journal of Materials Science*, **2015**, 50, 4779-4812	4.5	109
29	Isothermal Crystallization of Isotactic Poly(propylene) Studied by Superfast Calorimetry. *Macromolecular Rapid Communications*, **2007**, 28, 875-881	4.8	101
28	Low density polyethylene Chitosan composites. *Composites Part B: Engineering*, **2013**, 55, 314-323	10	43
27	Preparation and characterization of isotactic polypropylene/zinc oxide microcomposites with antibacterial activity. *Polymer Journal*, **2013**, 45, 938-945	2.7	36
26	Isotactic polypropylene composites reinforced with multiwall carbon nanotubes, part 2: Thermal and mechanical properties related to the structure. *Journal of Applied Polymer Science*, **2010**, 115, 3576-3585	2.9	31
25	Ethylene Butyl Acrylate Glycidyl Methacrylate Terpolymer as an Interfacial Agent for Isotactic Poly(propylene)/Wood Flour Composites. *Macromolecular Materials and Engineering*, **2006**, 291, 869-876	3.9	24
24	Barley glucan-protein based bioplastic film with enhanced physicochemical properties for packaging. *Food Hydrocolloids*, **2016**, 58, 276-283	10.6	23
23	Polymer dynamics in epoxy/alumina nanocomposites studied by various techniques. *Journal of Applied Polymer Science*, **2011**, 121, 3613-3627	2.9	22
22	Development of Antibacterial Composite Films Based on Isotactic Polypropylene and Coated ZnO Particles for Active Food Packaging. *Coatings*, **2016**, 6, 4	2.9	21
21	Effect of electron beam irradiation on the properties of polylactic acid/montmorillonite nanocomposites for food packaging applications. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	19
20	Melt Mixing of Ethylene/Butyl Acrylate/Glycidyl Methacrylate Terpolymers with LDPE and PET. *Macromolecular Materials and Engineering*, **2009**, 294, 122-129	3.9	16
19	Structure property relationships in polyethylene based films obtained by blow molding as model system of industrial relevance. *European Polymer Journal*, **2015**, 62, 97-107	5.2	15
18	Isotactic polypropylene modified with clay and hydrocarbon resin: Compatibility, structure and morphology in dependence on crystallization conditions. *Applied Surface Science*, **2009**, 256, S40-S45	6.7	15
17	Structure and Morphology Development in Films of mLLDPE/LDPE Blends During Blowing. *Macromolecular Materials and Engineering*, **2006**, 291, 1477-1485	3.9	15
16	Effect of hydrocarbon resin on the morphology and mechanical properties of isotactic polypropylene/clay composites. *Journal of Applied Polymer Science*, **2011**, 119, 1135-1143	2.9	13

15	Preparation and characterization of nanocomposites based on PLA and TiO2 nanoparticles functionalized with fluorocarbons. *Polymer Bulletin*, **2017**, 74, 3027-3041	2.4	12
14	Polymerization in magnetic field: XVIII. Influence of surfactant nature on the synthesis and thermal properties of poly(methyl methacrylate) and poly[(methyl methacrylate)-co-(epoxypropyl methacrylate)]. *Polymer International*, **2008**, 57, 342-349	3.3	12
13	Rheology, crystallization behavior, and dielectric study on molecular dynamics of polypropylene composites with multiwalled carbon nanotubes and clay. *Polymer Composites*, **2016**, 37, 2756-2769	3	7
12	Quiescent and shear-induced non-isothermal crystallization of isotactic polypropylene-based nanocomposites. *Polymer Bulletin*, **2017**, 74, 145-165	2.4	5
11	Characterisation of the Chitosan/Layered Silicate Nanocomposites. *Solid State Phenomena*, **2009**, 151, 123-128	0.4	5
10	Structure and Properties of a Polypropylene Containing Random Ethylene Units Modified with a Hydrogenated Hydrocarbon Resin. *Macromolecular Symposia*, **2006**, 234, 117-127	0.8	5
9	Evaluation of the Effectiveness of New Compatibilizers Based on EBAGMA-LDPE and EBAGMA-PET Masterbatches for LDPE/PET Blends. *Macromolecular Materials and Engineering*, **2010**, 295, 222-232	3.9	4
8	Evolution of Rheology, Structure, and Properties around the Rheological Flocculation and Percolation Thresholds in Polymer Nanocomposites **2013**, 55-86		3
7	Nanocomposites Based on Montmorillonite/Acrylic Copolymer for Aqueous Coating of Soft Surfaces. *Solid State Phenomena*, **2009**, 151, 129-134	0.4	2
6	Bioactive films based on barley glucans and ZnO for wound healing applications. *Carbohydrate Polymers*, **2021**, 272, 118442	10.3	2
5	Silicium-Based Nanocomposite Materials for Food Packaging Applications **2018**, 175-207		1
4	Viscoelastic properties and morphological characteristics of polymer-modified bitumen blends. *Journal of Applied Polymer Science*, **2010**, 118, n/a-n/a	2.9	1
3	Polymer Nanomaterials for Food Packaging: **2013**, 1-26		0
2	Rheological, mechanical, thermal and electrical properties of UHMWPE/CNC composites. *Cellulose*, **2021**, 28, 10953-10967	5.5	0
1	Fast Multi-parametric Method for Mechanical Properties Estimation of Clamped Clamped Perforated Membranes. *Lecture Notes in Electrical Engineering*, **2019**, 619-627	0.2	