

Donatella Duraccio

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Rheological, mechanical, thermal and electrical properties of UHMWPE/CNC composites. <i>Cellulose</i> , 2021 , 28, 10953-10967	5.5	0
31	Bioactive films based on barley β -glucans and ZnO for wound healing applications. <i>Carbohydrate Polymers</i> , 2021 , 272, 118442	10.3	2
30	Fast Multi-parametric Method for Mechanical Properties Estimation of Clamped/Clamped Perforated Membranes. <i>Lecture Notes in Electrical Engineering</i> , 2019 , 619-627	0.2	
29	Silicium-Based Nanocomposite Materials for Food Packaging Applications 2018 , 175-207		1
28	Quiescent and shear-induced non-isothermal crystallization of isotactic polypropylene-based nanocomposites. <i>Polymer Bulletin</i> , 2017 , 74, 145-165	2.4	5
27	Preparation and characterization of nanocomposites based on PLA and TiO ₂ nanoparticles functionalized with fluorocarbons. <i>Polymer Bulletin</i> , 2017 , 74, 3027-3041	2.4	12
26	Barley β -glucan-protein based bioplastic film with enhanced physicochemical properties for packaging. <i>Food Hydrocolloids</i> , 2016 , 58, 276-283	10.6	23
25	Development of Antibacterial Composite Films Based on Isotactic Polypropylene and Coated ZnO Particles for Active Food Packaging. <i>Coatings</i> , 2016 , 6, 4	2.9	21
24	Effect of electron beam irradiation on the properties of polylactic acid/montmorillonite nanocomposites for food packaging applications. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	19
23	Rheology, crystallization behavior, and dielectric study on molecular dynamics of polypropylene composites with multiwalled carbon nanotubes and clay. <i>Polymer Composites</i> , 2016 , 37, 2756-2769	3	7
22	Polylactic acid/zinc oxide biocomposite films for food packaging application. <i>International Journal of Biological Macromolecules</i> , 2016 , 88, 254-62	7.9	150
21	Biomaterials for dental implants: current and future trends. <i>Journal of Materials Science</i> , 2015 , 50, 4779-4812	4.8	109
20	Structure-property relationships in polyethylene based films obtained by blow molding as model system of industrial relevance. <i>European Polymer Journal</i> , 2015 , 62, 97-107	5.2	15
19	Preparation and characterization of isotactic polypropylene/zinc oxide microcomposites with antibacterial activity. <i>Polymer Journal</i> , 2013 , 45, 938-945	2.7	36
18	Low density polyethylene β -chitosan composites. <i>Composites Part B: Engineering</i> , 2013 , 55, 314-323	10	43
17	Polymer Nanomaterials for Food Packaging: 2013 , 1-26		0
16	Evolution of Rheology, Structure, and Properties around the Rheological Flocculation and Percolation Thresholds in Polymer Nanocomposites 2013 , 55-86		3

15	Food packaging based on polymer nanomaterials. <i>Progress in Polymer Science</i> , 2011 , 36, 1766-1782	29.6	640
14	Effect of hydrocarbon resin on the morphology and mechanical properties of isotactic polypropylene/clay composites. <i>Journal of Applied Polymer Science</i> , 2011 , 119, 1135-1143	2.9	13
13	Polymer dynamics in epoxy/alumina nanocomposites studied by various techniques. <i>Journal of Applied Polymer Science</i> , 2011 , 121, 3613-3627	2.9	22
12	Isotactic polypropylene composites reinforced with multiwall carbon nanotubes, part 2: Thermal and mechanical properties related to the structure. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 3576-3585	2.9	31
11	Viscoelastic properties and morphological characteristics of polymer-modified bitumen blends. <i>Journal of Applied Polymer Science</i> , 2010 , 118, n/a-n/a	2.9	1
10	Evaluation of the Effectiveness of New Compatibilizers Based on EBAGMA-LDPE and EBAGMA-PET Masterbatches for LDPE/PET Blends. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 222-232	3.9	4
9	Characterisation of the Chitosan/Layered Silicate Nanocomposites. <i>Solid State Phenomena</i> , 2009 , 151, 123-128	0.4	5
8	Nanocomposites Based on Montmorillonite/Acrylic Copolymer for Aqueous Coating of Soft Surfaces. <i>Solid State Phenomena</i> , 2009 , 151, 129-134	0.4	2
7	Melt Mixing of Ethylene/Butyl Acrylate/Glycidyl Methacrylate Terpolymers with LDPE and PET. <i>Macromolecular Materials and Engineering</i> , 2009 , 294, 122-129	3.9	16
6	Isotactic polypropylene modified with clay and hydrocarbon resin: Compatibility, structure and morphology in dependence on crystallization conditions. <i>Applied Surface Science</i> , 2009 , 256, S40-S45	6.7	15
5	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)]. <i>Polymer International</i> , 2008 , 57, 342-349	3.3	12
4	Isothermal Crystallization of Isotactic Poly(propylene) Studied by Superfast Calorimetry. <i>Macromolecular Rapid Communications</i> , 2007 , 28, 875-881	4.8	101
3	Ethylene Butyl Acrylate Glycidyl Methacrylate Terpolymer as an Interfacial Agent for Isotactic Poly(propylene)/Wood Flour Composites. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 869-876	3.9	24
2	Structure and Morphology Development in Films of mLLDPE/LDPE Blends During Blowing. <i>Macromolecular Materials and Engineering</i> , 2006 , 291, 1477-1485	3.9	15
1	Structure and Properties of a Polypropylene Containing Random Ethylene Units Modified with a Hydrogenated Hydrocarbon Resin. <i>Macromolecular Symposia</i> , 2006 , 234, 117-127	0.8	5