

Clara Silvestre

List of Publications by Year in descending order

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63
papers

2,787
citations

270111

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198040

52
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68
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68
docs citations

68
times ranked

3341
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in polymers and polymer composites for food packaging. <i>Materials Today</i> , 2022, 53, 134-161.	8.3	84
2	Application of Polypropylene-Based Nanocomposite Films for Sliced Turkish Pastrami under Vacuum/Modified Atmosphere Packaging: A Pilot Study. <i>Coatings</i> , 2020, 10, 1125.	1.2	1
3	Essential Nanostructure Parameters to Govern Reinforcement and Functionality of Poly(lactic) Acid Nanocomposites with Graphene and Carbon Nanotubes for 3D Printing Application. <i>Polymers</i> , 2020, 12, 1208.	2.0	12
4	Effects of Filament Extrusion, 3D Printing and Hot-Pressing on Electrical and Tensile Properties of Poly(Lactic) Acid Composites Filled with Carbon Nanotubes and Graphene. <i>Nanomaterials</i> , 2020, 10, 35.	1.9	46
5	Composition dependence in surface properties of poly(lactic acid)/graphene/carbon nanotube composites. <i>Materials Chemistry and Physics</i> , 2020, 249, 122702.	2.0	7
6	Rheological and electrical behaviour of nanocarbon/poly(lactic) acid for 3D printing applications. <i>Composites Part B: Engineering</i> , 2019, 167, 467-476.	5.9	58
7	PLA/Graphene/MWCNT Composites with Improved Electrical and Thermal Properties Suitable for FDM 3D Printing Applications. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1209.	1.3	129
8	Selective Laser Sintering Fabricated Thermoplastic Polyurethane/Graphene Cellular Structures with Tailorable Properties and High Strain Sensitivity. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 864.	1.3	45
9	Study on Aging and Recover of Poly (Lactic) Acid Composite Films with Graphene and Carbon Nanotubes Produced by Solution Blending and Extrusion. <i>Coatings</i> , 2019, 9, 359.	1.2	11
10	Nanoindentation analysis of 3D printed poly(lactic acid)-based composites reinforced with graphene and multiwall carbon nanotubes. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47260.	1.3	27
11	Morphological, Rheological and Electromagnetic Properties of Nanocarbon/Poly(lactic) Acid for 3D Printing: Solution Blending vs. Melt Mixing. <i>Materials</i> , 2018, 11, 2256.	1.3	37
12	Morphological, rheological and electrical study of PLA reinforced with carbon-based fillers for 3D printing applications. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	5
13	Carbon-Coated Nickel Nanoparticles: Effect on the Magnetic and Electric Properties of Composite Materials. <i>Coatings</i> , 2018, 8, 165.	1.2	7
14	Quiescent and shear-induced non-isothermal crystallization of isotactic polypropylene-based nanocomposites. <i>Polymer Bulletin</i> , 2017, 74, 145-165.	1.7	5
15	Preparation and characterization of nanocomposites based on PLA and TiO ₂ nanoparticles functionalized with fluorocarbons. <i>Polymer Bulletin</i> , 2017, 74, 3027-3041.	1.7	15
16	Effects of PP-based Nanopackaging on the Overall Quality and Shelf Life of Ready-to-eat Salami. <i>Packaging Technology and Science</i> , 2017, 30, 663-679.	1.3	8
17	Assessment on the Effects of ZnO and Coated ZnO Particles on iPP and PLA Properties for Application in Food Packaging. <i>Coatings</i> , 2017, 7, 29.	1.2	21
18	Effect of TiO ₂ and ZnO on PLA degradation in various media. <i>Advanced Material Science</i> , 2017, 2, .	0.3	19

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19	Development of Antibacterial Composite Films Based on Isotactic Polypropylene and Coated ZnO Particles for Active Food Packaging. <i>Coatings</i> , 2016, 6, 4.	1.2	26
20	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, .	1.3	24
21	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.	2.3	7
22	Polylactic acid/zinc oxide biocomposite films for food packaging application. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 254-262.	3.6	204
23	Hydrophobic silica nanoparticles as reinforcing filler for poly (lactic acid) polymer matrix. <i>Hemijaska Industrija</i> , 2016, 70, 73-80.	0.3	38
24	Effect of PLA/ZnO Packaging and Gamma Radiation on the Content of <i>Listeria innocua</i> , <i>Escherichia coli</i> and <i>Salmonella enterica</i> on Ham during Storage at 4 °C. <i>Journal of Food Science and Engineering</i> , 2016, 6, .	0.1	0
25	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.	2.6	17
26	Biocompatible and Biodegradable Chitosan / Clay Nanocomposites as New Carriers for Theophylline Controlled Release. <i>British Journal of Pharmaceutical Research</i> , 2015, 6, 228-254.	0.4	9
27	Preparation and characterization of isotactic polypropylene/zinc oxide microcomposites with antibacterial activity. <i>Polymer Journal</i> , 2013, 45, 938-945.	1.3	40
28	Polymer Nanomaterials for Food Packaging:., 2013, , 1-26.		1
29	Evolution of Rheology, Structure, and Properties around the Rheological Flocculation and Percolation Thresholds in Polymer Nanocomposites. , 2013, , 55-86.		3
30	Food packaging based on polymer nanomaterials. <i>Progress in Polymer Science</i> , 2011, 36, 1766-1782.	11.8	746
31	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.	1.3	15
32	Polymer dynamics in epoxy/alumina nanocomposites studied by various techniques. <i>Journal of Applied Polymer Science</i> , 2011, 121, 3613-3627.	1.3	23
33	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.	1.3	34
34	Viscoelastic properties and morphological characteristics of polymer-modified bitumen blends. <i>Journal of Applied Polymer Science</i> , 2010, 118, 1320-1330.	1.3	12
35	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.	1.7	4
36	Coordination Action: NMP3-CA-2008-218331-NaPolyNet Setting up Research-Intensive Clusters across the EU on Characterization of Polymer Nanostructures. <i>Solid State Phenomena</i> , 2009, 151, 101-107.	0.3	0

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37	Melt Mixing of Ethylene/Butyl Acrylate/Glycidyl Methacrylate Terpolymers with LDPE and PET. <i>Macromolecular Materials and Engineering</i> , 2009, 294, 122-129.	1.7	17
38	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.	3.1	18
39	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)] Tj ETQq1 1 0.7&4314 rgBT /Over		
40	Processing, thermal stability and morphology of chiral sensing syndiotactic polystyrene films. <i>Journal of Materials Chemistry</i> , 2008, 18, 567-572.	6.7	41
41	Isothermal Crystallization of Isotactic Poly(propylene) Studied by Superfast Calorimetry. <i>Macromolecular Rapid Communications</i> , 2007, 28, 875-881.	2.0	109
42	Structure and Properties of a Polypropylene Containing Random Ethylene Units Modified with a Hydrogenated Hydrocarbon Resin. <i>Macromolecular Symposia</i> , 2006, 234, 117-127.	0.4	5
43	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.	1.7	27
44	Structure and Morphology Development in Films of mLLDPE/LDPE Blends During Blowing. <i>Macromolecular Materials and Engineering</i> , 2006, 291, 1477-1485.	1.7	17
45	Effect of Clay/Diamond and Clay/Carbon Nanosystems on Structure-Properties Relationships of iPP. <i>Macromolecular Symposia</i> , 2005, 228, 99-114.	0.4	8
46	On the compatibility of low density polyethylene/hydrolyzed collagen blends. II: New compatibilizers. <i>European Polymer Journal</i> , 2005, 41, 1391-1402.	2.6	14
47	Waste and Virgin LDPE/PET Blends Compatibilized with an Ethylene-Butyl Acrylate-Glycidyl Methacrylate (EBAGMA) Terpolymer, 1. <i>Macromolecular Materials and Engineering</i> , 2005, 290, 987-995.	1.7	39
48	Influence of poly(3-hydroxybutyrate-co-3-hydroxyvalerate) on miscibility and properties of atactic poly(methyl methacrylate). <i>Polymer International</i> , 2004, 53, 809-814.	1.6	0
49	Measurement of spherulite growth rates using tailored temperature programs. <i>Thermochimica Acta</i> , 2003, 396, 67-73.	1.2	10
50	Morphology of a melt crystallized iPP/HDPE/hydrogenated hydrocarbon resin blend. <i>Polymer</i> , 2003, 44, 4273-4281.	1.8	14
51	Structure, morphology, and crystallization of a random ethylene-propylene copolymer. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2003, 41, 493-500.	2.4	37
52	Nonisothermal crystallization of isotactic polypropylene blended with poly(α -pinene). I. Bulk crystallization. <i>Journal of Applied Polymer Science</i> , 2001, 82, 358-367.	1.3	30
53	Nonisothermal Crystallization of Isotactic Polypropylene Blended with Poly(α -pinene). 2. Growth Rates. <i>Macromolecules</i> , 2000, 33, 3828-3832.	2.2	57
54	Phase diagram and thermal and mechanical properties of isotactic polypropylene/hydrogenated oligo(cyclopentadiene) blends. <i>Macromolecular Symposia</i> , 1994, 78, 115-129.	0.4	8

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55	Miscibility of syndiotactic polystyrene/poly(vinyl methyl ether) blends. <i>Polymer</i> , 1993, 34, 214-217.	1.8	20
56	Morphology, phase structure and thermal behaviour of films of isotactic polypropylene/hydrogenated oligocyclopentadiene blends: 1. Extruded isotropic films. <i>Polymer</i> , 1991, 32, 3299-3304.	1.8	28
57	Syndiotactic polystyrene: crystallization and melting behaviour. <i>Polymer</i> , 1991, 32, 1080-1083.	1.8	94
58	Title is missing!. <i>Die Makromolekulare Chemie</i> , 1989, 190, 2615-2625.	1.1	42
59	Poly(ethylene oxide)/poly(ethyl methacrylate) blends: Crystallization, melting behavior, and miscibility. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1989, 27, 1781-1794.	2.4	67
60	Title is missing!. <i>Die Makromolekulare Chemie Rapid Communications</i> , 1988, 9, 261-265.	1.1	18
61	Properties of thin films of isotactic polypropylene blended with polyisobutylene and ethylene-propylene-diene terpolymer rubbers. <i>Polymer</i> , 1983, 24, 1458-1468.	1.8	79
62	Morphology, crystallization and melting behaviour of films of isotactic polypropylene blended with ethylene-propylene copolymers and polyisobutylene. <i>Polymer</i> , 1982, 23, 229-237.	1.8	209
63	Environmentally Degradable Materials Based On Multicomponent Polymeric Systems: Biocomposites And Bioblends. , 0, , 512-529.		0