Vittoria Vittoria

List of Publications by Year in Descending Order

107 papers	4,451 citations	35 h-index	65 g-index
111 ext. papers	4,729 ext. citations	3.9 avg, IF	5.27 L-index

#	Paper	IF	Citations
107	Coaxial electrospun membranes of poly(Ɛ-caprolactone)/poly(lactic acid) with reverse core-shell structures loaded with curcumin as tunable drug delivery systems. *Polymers for Advanced Technologies*, **2021**, 32, 4005-4013	3.2	6
106	Physical and barrier properties of chemically modified pectin with polycaprolactone through an environmentally friendly process. *Colloid and Polymer Science*, **2021**, 299, 429-437	2.4	4
105	Antimicrobial and Antibiofilm Activity of Curcumin-Loaded Electrospun Nanofibers for the Prevention of the Biofilm-Associated Infections. *Molecules*, **2021**, 26,	4.8	7
104	Antimicrobial sorbate anchored to layered double hydroxide (LDH) nano-carrier employed as active coating on Polypropylene (PP) packaging: Application to bread stored at ambient temperature. *Future Foods*, **2021**, 4, 100063	3.3	3
103	Multifunctional Bioactive Resin for Dental Restorative Materials. *Polymers*, **2020**, 12,	4.5	7
102	Ionic Liquid as Dispersing Agent of LDH-Carbon Nanotubes into a Biodegradable Vinyl Alcohol Polymer. *Polymers*, **2020**, 12,	4.5	17
101	Active packaging for table grapes: Evaluation of antimicrobial performances of packaging for shelf life of the grapes under thermal stress. *Food Packaging and Shelf Life*, **2020**, 25, 100545	8.2	14
100	PET and Active Coating Based on a LDH Nanofiller Hosting p-Hydroxybenzoate and Food-Grade Zeolites: Evaluation of Antimicrobial Activity of Packaging and Shelf Life of Red Meat. *Nanomaterials*, **2019**, 9,	5.4	6
99	Effect of resveratrol release kinetic from electrospun nanofibers on osteoblast and osteoclast differentiation. *European Polymer Journal*, **2018**, 99, 289-297	5.2	29
98	Active coating for storage of Mozzarella cheese packaged under thermal abuse. *Food Control*, **2016**, 64, 10-16	6.2	22
97	Strain and damage monitoring in carbon-nanotube-based composite under cyclic strain. *Composites Part A: Applied Science and Manufacturing*, **2015**, 71, 9-16	8.4	66
96	A biocompatible process to prepare hyaluronan-based material able to self-assemble into stable nano-particles. *RSC Advances*, **2015**, 5, 29573-29576	3.7	8
95	Polymorphic solidification of Linezolid confined in electrospun PCL fibers for controlled release in topical applications. *International Journal of Pharmaceutics*, **2015**, 490, 32-8	6.5	19
94	Fabrication and Characterization of Poly(lactic acid)/Poly(Ɛ-caprolactone) Blend Electrospun Fibers Loaded with Amoxicillin for Tunable Delivering. *Journal of Nanoscience and Nanotechnology*, **2015**, 15, 4706-12	1.3	12
93	Pectin functionalized with natural fatty acids as antimicrobial agent. *International Journal of Biological Macromolecules*, **2014**, 68, 28-32	7.9	26
92	Development of epoxy mixtures for application in aeronautics and aerospace. *RSC Advances*, **2014**, 4, 15474-15488	3.7	108
91	Dispersion of modified layered double hydroxides in Poly(ethylene terephthalate) by High Energy Ball Milling for food packaging applications. *European Polymer Journal*, **2014**, 52, 172-180	5.2	35

90	Effect of layered double hydroxide intercalated with fluoride ions on the physical, biological and release properties of a dental composite resin. *Journal of Dentistry*, **2014**, 42, 60-7	4.8	30
89	Fabrication and characterization of electrospun polylactide/Ɛtricalcium phosphate hybrid meshes for potential applications in hard tissue repair. *BioNanoMaterials*, **2014**, 15,		4
88	Behavior of epoxy composite resins in environments at high moisture content. *Journal of Polymer Research*, **2013**, 20, 1	2.7	15
87	Fabrication and sustained release properties of poly(Ɛcaprolactone) electrospun fibers loaded with layered double hydroxide nanoparticles intercalated with amoxicillin. *Applied Clay Science*, **2013**, 72, 104-109	5.2	39
86	Influence of the powder dimensions on the antimicrobial properties of modified layered double hydroxide. *Applied Clay Science*, **2013**, 75-76, 46-51	5.2	15
85	Deposition of LDH on plasma treated polylactic acid to reduce water permeability. *Journal of Colloid and Interface Science*, **2013**, 396, 47-52	9.3	22
84	The role of carbon nanofiber defects on the electrical and mechanical properties of CNF-based resins. *Nanotechnology*, **2013**, 24, 305704	3.4	77
83	Improvement of the electrical conductivity in multiphase epoxy-based MWCNT nanocomposites by means of an optimized clay content. *Composites Science and Technology*, **2013**, 89, 69-76	8.6	30
82	Enhanced in vitro antitumor activity of a titanocene complex encapsulated into polycaprolactone (PCL) electrospun fibers. *Journal of Applied Biomaterials and Functional Materials*, **2013**, 11, e61-70	1.8	3
81	Preparation, characterization and antibacterial activity of poly(epsilon-caprolactone) electrospun fibers loaded with amoxicillin for controlled release in biomedical applications. *Journal of Nanoscience and Nanotechnology*, **2013**, 13, 1717-26	1.3	11
80	Permeability in Clay/Polyesters Nano-Biocomposites. *Green Energy and Technology*, **2012**, 237-264	0.6	10
79	Solvent-free synthesis of modified pectin compounds promoted by microwave irradiation. *Molecules*, **2012**, 17, 12234-42	4.8	33
78	Comparison of the physical properties of epoxy-based composites filled with different types of carbon nanotubes for aeronautic applications. *Advances in Polymer Technology*, **2012**, 31, 205-218	1.9	34
77	Pectins filled with LDH-antimicrobial molecules: preparation, characterization and physical properties. *Carbohydrate Polymers*, **2012**, 89, 132-7	10.3	75
76	Modified hydrotalcite-like compounds as active fillers of biodegradable polymers for drug release and food packaging applications. *Recent Patents on Nanotechnology*, **2012**, 6, 218-30	1.2	22
75	Electrical properties of multi-walled carbon nanotube/tetrafunctional epoxy-amine composites **2012**,		9
74	Dynamic Mechanical Properties of Structural Self-Healing Epoxy Resins. *Applied Mechanics and Materials*, **2011**, 62, 95-105	0.3	7
73	Chemical modification of pectin: environmental friendly process for new potential material development. *Polymer Chemistry*, **2011**, 2, 800	4.9	36

72	Evaluation of the electrical properties of epoxy-based nanocomposites for motor insulation **2011**,		2
71	Modified layered double hydroxides in polycaprolactone as a tunable delivery system: in vitro release of antimicrobial benzoate derivatives. *Applied Clay Science*, **2011**, 52, 34-40	5.2	69
70	Physical and water sorption properties of chemically modified pectin with an environmentally friendly process. *Biomacromolecules*, **2011**, 12, 2311-8	6.9	35
69	Use of Hoveyda□Grubbs□second generation catalyst in self-healing epoxy mixtures. *Composites Part B: Engineering*, **2011**, 42, 296-301	10	52
68	FT-IR Investigation of Hoveyda-Grubbs□nd Generation Catalyst in Self-Healing Epoxy Mixtures **2010**,		2
67	Cure behavior and physical properties of epoxy resin-filled with multiwalled carbon nanotubes. *Journal of Nanoscience and Nanotechnology*, **2010**, 10, 2686-93	1.3	44
66	Effect of carbon nanotubes on the photo-oxidative durability of syndiotactic polypropylene. *Polymer Degradation and Stability*, **2010**, 95, 1614-1626	4.7	40
65	Nano-hybrids incorporation into poly(□caprolactone) for multifunctional applications: Mechanical and barrier properties. *European Polymer Journal*, **2010**, 46, 418-427	5.2	70
64	Cure behavior and mechanical properties of structural self-healing epoxy resins. *Journal of Polymer Science, Part B: Polymer Physics*, **2010**, 48, 2413-2423	2.6	36
63	Encapsulation of Diclofenac Molecules into Poly(-Caprolactone) Electrospun Fibers for Delivery Protection. *Journal of Nanomaterials*, **2009**, 2009, 1-8	3.2	30
62	Dependence of electrical properties of polypropylene isomers on morphology and chain conformation. *Journal Physics D: Applied Physics*, **2009**, 42, 135405	3	8
61	Elasticity of syndiotactic polypropylene: Insights from temperature and time dependence. *European Polymer Journal*, **2009**, 45, 2192-2201	5.2	2
60	Mechanical and barrier properties of epoxy resin filled with multi-walled carbon nanotubes. *Carbon*, **2009**, 47, 2419-2430	10.4	135
59	Nano clay reinforced PCL/starch blends obtained by high energy ball milling. *Carbohydrate Polymers* , **2009**, 75, 172-179	10.3	124
58	New polymeric composites based on poly(-caprolactone) and layered double hydroxides containing antimicrobial species. *ACS Applied Materials & Interfaces*, **2009**, 1, 668-77	9.5	120
57	Structure, Morphology, and Crystallization Behavior of Syndiotactic Polystyrene **2009**, 155-193		3
56	Effect of filler content and size on transport properties of water vapor in PLA/calcium sulfate composites. *Biomacromolecules*, **2008**, 9, 984-90	6.9	49
55	Development of nanostructured thermoregulating textile materials. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 4399-403	1.3	6

54	Mechano-reversible physical aging of elastic oriented syndiotactic polypropylene. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 599-606	2.6	1
53	Structural and morphological changes during UV irradiation of the trans-planar form of syndiotactic polypropylene. *Polymer Degradation and Stability*, **2008**, 93, 176-187	4.7	12
52	Nanometric dispersion of a Mg/Al layered double hydroxide into a chemically modified polycaprolactone. *Biomacromolecules*, **2007**, 8, 773-9	6.9	41
51	Encapsulation and exfoliation of inorganic lamellar fillers into polycaprolactone by electrospinning. *Biomacromolecules*, **2007**, 8, 3147-52	6.9	37
50	Influence of the electrical field applied during thermal cycling on the conductivity of LLDPE/CNT composites. *Physica E: Low-Dimensional Systems and Nanostructures*, **2007**, 37, 66-71	3	24
49	Incorporation of carbon nanotubes into polyethylene by high energy ball milling: Morphology and physical properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 597-606	2.6	117
48	Crystallization kinetics and morphology of the mesomorphic form of syndiotactic polypropylene. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 936-944	2.6	4
47	New nanohybrids of poly(ε-caprolactone) and a modified Mg/Al hydrotalcite: Mechanical and thermal properties. *Journal of Polymer Science, Part B: Polymer Physics*, **2007**, 45, 945-954	2.6	31
46	Carbon nanotube induced structural and physical property transitions of syndiotactic polypropylene. *Nanotechnology*, **2007**, 18, 275703	3.4	39
45	Potential perspectives of bio-nanocomposites for food packaging applications. *Trends in Food Science and Technology*, **2007**, 18, 84-95	15.3	777
44	Nanocomposites of syndiotactic polypropylene: Phase behavior and morphology. *Polymer Engineering and Science*, **2006**, 46, 1433-1442	2.3	13
43	Equilibrium thermal behavior and morphology of organophilic montmorillonite/poly(ε-caprolactone) nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2006**, 44, 22-32	2.6	7
42	Biodegradable nanocomposites obtained by ball milling of pectin and montmorillonites. *Carbohydrate Polymers*, **2006**, 64, 516-523	10.3	125
41	Preparation and Physical Properties of Carbon Nanotubes–PVA Nanocomposites. *Journal of Macromolecular Science - Physics*, **2005**, 44, 779-795	1.4	14
40	Phase Behavior of Blends of Poly(?-Caprolactone) and a Modified Montmorillonite-Poly(?-Caprolactone) Nanocomposite. *Journal of Macromolecular Science - Physics*, **2005**, 44, 79-92	1.4	9
39	Incorporation of Mg–Al hydrotalcite into a biodegradable Poly(ε-caprolactone) by high energy ball milling. *Polymer*, **2005**, 46, 1601-1608	3.9	102
38	Synthesis and physical properties of layered silicates/polyurethane nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2005**, 43, 2454-2467	2.6	71
37	Methods of preparation of novel composites of poly(?-caprolactone) and a modified Mg/Al hydrotalcite. *Journal of Polymer Science Part A*, **2005**, 43, 2281-2290	2.5	33

36	Thermally Induced Structural and Dynamic-Mechanical Transition of Form II of Syndiotactic Polypropylene. *Journal of Macromolecular Science - Physics*, **2004**, 43, 883-891	1.4	3
35	Correlation Between Structural and Dynamic-Mechanical Transitions of Different Syndiotactic Polypropylene Polymorphs. *Journal of Macromolecular Science - Physics*, **2004**, 43, 349-363	1.4	4
34	Phase behavior of modified montmorillonite□poly(?-caprolactone) nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 1321-1332	2.6	28
33	Physical properties of poly(□caprolactone) layered silicate nanocomposites prepared by controlled grafting polymerization. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 1466-1475	2.6	63
32	Interfacial effects in organophilic montmorillonite□poly(?-caprolactone) nanocomposites. *Journal of Polymer Science, Part B: Polymer Physics*, **2004**, 42, 3907-3919	2.6	12
31	Polymorphism and Thermal Behaviour of Syndiotactic Poly(propylene)/Carbon Nanotube Composites. *Macromolecular Rapid Communications*, **2004**, 25, 1963-1967	4.8	49
30	Photooxidation of spherilene linear low-density polyethylene films subjected to environmental weathering. 1. Changes in mechanical properties. *Polymer Degradation and Stability*, **2004**, 85, 1009-1013	4.7	33
29	Transport Properties of Water Vapor in Polylactide/Montmorillonite Nanocomposites. *Journal of Macromolecular Science - Physics*, **2004**, 43, 565-575	1.4	26
28	Structural Changes During Annealing of Melt-Quenched Syndiotactic Polypropylene in the Trans-Planar Mesophase. *Journal of Macromolecular Science - Physics*, **2004**, 43, 989-1004	1.4	1
27	Recognition of the syndiotactic polypropylene polymorphs via dynamic-mechanical analysis. *Macromolecular Symposia*, **2003**, 203, 285-294	0.8	2
26	Solvent induced polymorphism of quenched syndiotactic polypropylene in different liquids. *Colloid and Polymer Science*, **2003**, 281, 469-475	2.4	7
25	Miscibility in crystalline polymer blends: Isotactic polypropylene and linear low-density polyethylene. *Journal of Applied Polymer Science*, **2003**, 90, 3338-3346	2.9	10
24	Transport properties of organic vapors in nanocomposites of isotactic polypropylene. *Journal of Polymer Science, Part B: Polymer Physics*, **2003**, 41, 1798-1805	2.6	30
23	Vapor barrier properties of polycaprolactone montmorillonite nanocomposites: effect of clay dispersion. *Polymer*, **2003**, 44, 2271-2279	3.9	290
22	Transport properties of organic vapors in nanocomposites of organophilic layered silicate and syndiotactic polypropylene. *Polymer*, **2003**, 44, 3679-3685	3.9	79
21	Use of an Alternative Colorant for Polyethylene Fuel Tanks Recycling. *Progress in Rubber, Plastics and Recycling Technology*, **2002**, 18, 259-268	1.7	
20	Influence of molecular weight on the structure and ageing behavior of quenched syndiotactic poly(propylene). *Macromolecular Chemistry and Physics*, **2002**, 203, 1420-1426	2.6	1
19	Transport Properties of Modified Montmorillonite-Poly(□caprolactone) Nanocomposites. *Macromolecular Materials and Engineering*, **2002**, 287, 243	3.9	80

18	Recycling polyethylene from automotive fuel tanks. *Journal of Applied Polymer Science*, **2002**, 86, 347-351	1.9	6
17	Transport and mechanical properties of blends of poly(?-caprolactone) and a modified montmorillonite- poly(?-caprolactone) nanocomposite. *Journal of Polymer Science, Part B: Polymer Physics*, **2002**, 40, 1118-1124	2.6	88
16	Structural characterization and transport properties of organically modified montmorillonite/polyurethane nanocomposites. *Polymer*, **2002**, 43, 6147-6157	3.9	169
15	Cast-extruded syndiotactic polypropylene films: preliminary structural and mechanical results. *Macromolecular Symposia*, **2002**, 180, 23-32	0.8	4
14	Structural changes during annealing of the crystalline helical form of syndiotactic polypropylene. *Journal of Macromolecular Science - Physics*, **2002**, 41, 289-305	1.4	5
13	The Role of the trans-Planar Mesophase in the Polymorphic Behavior of Syndiotactic Polypropylene. *Macromolecular Symposia*, **2001**, 169, 125-136	0.8	
12	Chemical and morphologial modifications of irradiated linear low density polyethylene (LLDPE). *Polymer Degradation and Stability*, **2001**, 72, 175-186	4.7	83
11	Mechanical and transport properties of irradiated linear low density polyethylene (LLDPE). *Polymer Degradation and Stability*, **2001**, 72, 239-247	4.7	33
10	Elastic Behaviour of Oriented Syndiotactic Poly(propylene). *Macromolecular Rapid Communications*, **2001**, 22, 104-108	4.8	14
9	Structural modifications induced by recycling of polypropylene. *Polymer Engineering and Science*, **1999**, 39, 1661-1666	2.3	12
8	Studies of the □- □transition in syndiotactic polystyrene. *Macromolecular Symposia*, **1999**, 138, 209-214	0.8	10
7	Influence of water on the physical aging of poly(ethylene terephtalate). *Macromolecular Symposia*, **1999**, 138, 139-147	0.8	
6	Sub-Tg annealing of the clathrate □form of syndiotactic polystyrene. *Macromolecular Chemistry and Physics*, **1998**, 199, 2671-2675	2.6	24
5	Solvent induced structural transitions in a liquid crystalline polyester. *Macromolecular Rapid Communications*, **1996**, 17, 447-454	4.8	2
4	Influence of aging on the crystallization phenomenon of isotactic polystyrene. *Journal of Macromolecular Science - Physics*, **1996**, 35, 147-155	1.4	10
3	Correlation between microstructure and physical properties in styrene□ethylene copolymers. *Journal of Applied Polymer Science*, **1995**, 58, 1701-1706	2.9	10
2	Influence of ageing on the ordering phenomena of syndiotactic polystyrene. *Macromolecular Chemistry and Physics*, **1994**, 195, 735-741	2.6	4
1	Solvent-induced crystallization of glassy syndiotactic polystyrene. *Die Makromolekulare Chemie Rapid Communications*, **1988**, 9, 765-769		114