

# Vittoria Vittoria

## List of Publications by Citations

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107  
papers

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35  
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65  
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111  
ext. papers

4,729  
ext. citations

3.9  
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5.27  
L-index

#	Paper	IF	Citations
107	Potential perspectives of bio-nanocomposites for food packaging applications. <i>Trends in Food Science and Technology</i> , <b>2007</b> , 18, 84-95	15.3	777
106	Vapor barrier properties of polycaprolactone montmorillonite nanocomposites: effect of clay dispersion. <i>Polymer</i> , <b>2003</b> , 44, 2271-2279	3.9	290
105	Structural characterization and transport properties of organically modified montmorillonite/polyurethane nanocomposites. <i>Polymer</i> , <b>2002</b> , 43, 6147-6157	3.9	169
104	Mechanical and barrier properties of epoxy resin filled with multi-walled carbon nanotubes. <i>Carbon</i> , <b>2009</b> , 47, 2419-2430	10.4	135
103	Biodegradable nanocomposites obtained by ball milling of pectin and montmorillonites. <i>Carbohydrate Polymers</i> , <b>2006</b> , 64, 516-523	10.3	125
102	Nano clay reinforced PCL/starch blends obtained by high energy ball milling. <i>Carbohydrate Polymers</i> , <b>2009</b> , 75, 172-179	10.3	124
101	New polymeric composites based on poly( $\epsilon$ -caprolactone) and layered double hydroxides containing antimicrobial species. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2009</b> , 1, 668-77	9.5	120
100	Incorporation of carbon nanotubes into polyethylene by high energy ball milling: Morphology and physical properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 597-606	2.6	117
99	Solvent-induced crystallization of glassy syndiotactic polystyrene. <i>Die Makromolekulare Chemie Rapid Communications</i> , <b>1988</b> , 9, 765-769		114
98	Development of epoxy mixtures for application in aeronautics and aerospace. <i>RSC Advances</i> , <b>2014</b> , 4, 15474-15488	3.7	108
97	Incorporation of MgAl hydrotalcite into a biodegradable Poly( $\epsilon$ -caprolactone) by high energy ball milling. <i>Polymer</i> , <b>2005</b> , 46, 1601-1608	3.9	102
96	Transport and mechanical properties of blends of poly( $\epsilon$ -caprolactone) and a modified montmorillonite- poly( $\epsilon$ -caprolactone) nanocomposite. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2002</b> , 40, 1118-1124	2.6	88
95	Chemical and morphological modifications of irradiated linear low density polyethylene (LLDPE). <i>Polymer Degradation and Stability</i> , <b>2001</b> , 72, 175-186	4.7	83
94	Transport Properties of Modified Montmorillonite-Poly( $\epsilon$ -caprolactone) Nanocomposites. <i>Macromolecular Materials and Engineering</i> , <b>2002</b> , 287, 243	3.9	80
93	Transport properties of organic vapors in nanocomposites of organophilic layered silicate and syndiotactic polypropylene. <i>Polymer</i> , <b>2003</b> , 44, 3679-3685	3.9	79
92	The role of carbon nanofiber defects on the electrical and mechanical properties of CNF-based resins. <i>Nanotechnology</i> , <b>2013</b> , 24, 305704	3.4	77
91	Pectins filled with LDH-antimicrobial molecules: preparation, characterization and physical properties. <i>Carbohydrate Polymers</i> , <b>2012</b> , 89, 132-7	10.3	75

90	Synthesis and physical properties of layered silicates/polyurethane nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2005</b> , 43, 2454-2467	2.6	71
89	Nano-hybrids incorporation into poly( $\epsilon$ -caprolactone) for multifunctional applications: Mechanical and barrier properties. <i>European Polymer Journal</i> , <b>2010</b> , 46, 418-427	5.2	70
88	Modified layered double hydroxides in polycaprolactone as a tunable delivery system: in vitro release of antimicrobial benzoate derivatives. <i>Applied Clay Science</i> , <b>2011</b> , 52, 34-40	5.2	69
87	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
86	Physical properties of poly( $\epsilon$ -caprolactone) layered silicate nanocomposites prepared by controlled grafting polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 1466-1475	2.6	63
85	Use of Hoveyda-Grubbs second generation catalyst in self-healing epoxy mixtures. <i>Composites Part B: Engineering</i> , <b>2011</b> , 42, 296-301	10	52
84	Effect of filler content and size on transport properties of water vapor in PLA/calcium sulfate composites. <i>Biomacromolecules</i> , <b>2008</b> , 9, 984-90	6.9	49
83	Polymorphism and Thermal Behaviour of Syndiotactic Poly(propylene)/Carbon Nanotube Composites. <i>Macromolecular Rapid Communications</i> , <b>2004</b> , 25, 1963-1967	4.8	49
82	Cure behavior and physical properties of epoxy resin-filled with multiwalled carbon nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2010</b> , 10, 2686-93	1.3	44
81	Nanometric dispersion of a Mg/Al layered double hydroxide into a chemically modified polycaprolactone. <i>Biomacromolecules</i> , <b>2007</b> , 8, 773-9	6.9	41
80	Effect of carbon nanotubes on the photo-oxidative durability of syndiotactic polypropylene. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 1614-1626	4.7	40
79	Fabrication and sustained release properties of poly( $\epsilon$ -caprolactone) electrospun fibers loaded with layered double hydroxide nanoparticles intercalated with amoxicillin. <i>Applied Clay Science</i> , <b>2013</b> , 72, 104-109	5.2	39
78	Carbon nanotube induced structural and physical property transitions of syndiotactic polypropylene. <i>Nanotechnology</i> , <b>2007</b> , 18, 275703	3.4	39
77	Encapsulation and exfoliation of inorganic lamellar fillers into polycaprolactone by electrospinning. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3147-52	6.9	37
76	Chemical modification of pectin: environmental friendly process for new potential material development. <i>Polymer Chemistry</i> , <b>2011</b> , 2, 800	4.9	36
75	Cure behavior and mechanical properties of structural self-healing epoxy resins. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2010</b> , 48, 2413-2423	2.6	36
74	Dispersion of modified layered double hydroxides in Poly(ethylene terephthalate) by High Energy Ball Milling for food packaging applications. <i>European Polymer Journal</i> , <b>2014</b> , 52, 172-180	5.2	35
73	Physical and water sorption properties of chemically modified pectin with an environmentally friendly process. <i>Biomacromolecules</i> , <b>2011</b> , 12, 2311-8	6.9	35

72	Comparison of the physical properties of epoxy-based composites filled with different types of carbon nanotubes for aeronautic applications. <i>Advances in Polymer Technology</i> , <b>2012</b> , 31, 205-218	1.9	34
71	Solvent-free synthesis of modified pectin compounds promoted by microwave irradiation. <i>Molecules</i> , <b>2012</b> , 17, 12234-42	4.8	33
70	Photooxidation of spherilene linear low-density polyethylene films subjected to environmental weathering. 1. Changes in mechanical properties. <i>Polymer Degradation and Stability</i> , <b>2004</b> , 85, 1009-1013	4.7	33
69	Methods of preparation of novel composites of poly( $\epsilon$ -caprolactone) and a modified Mg/Al hydrotalcite. <i>Journal of Polymer Science Part A</i> , <b>2005</b> , 43, 2281-2290	2.5	33
68	Mechanical and transport properties of irradiated linear low density polyethylene (LLDPE). <i>Polymer Degradation and Stability</i> , <b>2001</b> , 72, 239-247	4.7	33
67	New nanohybrids of poly( $\epsilon$ -caprolactone) and a modified Mg/Al hydrotalcite: Mechanical and thermal properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 945-954	2.6	31
66	Effect of layered double hydroxide intercalated with fluoride ions on the physical, biological and release properties of a dental composite resin. <i>Journal of Dentistry</i> , <b>2014</b> , 42, 60-7	4.8	30
65	Improvement of the electrical conductivity in multiphase epoxy-based MWCNT nanocomposites by means of an optimized clay content. <i>Composites Science and Technology</i> , <b>2013</b> , 89, 69-76	8.6	30
64	Encapsulation of Diclofenac Molecules into Poly(-Caprolactone) Electrospun Fibers for Delivery Protection. <i>Journal of Nanomaterials</i> , <b>2009</b> , 2009, 1-8	3.2	30
63	Transport properties of organic vapors in nanocomposites of isotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2003</b> , 41, 1798-1805	2.6	30
62	Effect of resveratrol release kinetic from electrospun nanofibers on osteoblast and osteoclast differentiation. <i>European Polymer Journal</i> , <b>2018</b> , 99, 289-297	5.2	29
61	Phase behavior of modified montmorillonite/poly( $\epsilon$ -caprolactone) nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 1321-1332	2.6	28
60	Pectin functionalized with natural fatty acids as antimicrobial agent. <i>International Journal of Biological Macromolecules</i> , <b>2014</b> , 68, 28-32	7.9	26
59	Transport Properties of Water Vapor in Polylactide/Montmorillonite Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 565-575	1.4	26
58	Sub-Tg annealing of the clathrate form of syndiotactic polystyrene. <i>Macromolecular Chemistry and Physics</i> , <b>1998</b> , 199, 2671-2675	2.6	24
57	Influence of the electrical field applied during thermal cycling on the conductivity of LLDPE/CNT composites. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2007</b> , 37, 66-71	3	24
56	Active coating for storage of Mozzarella cheese packaged under thermal abuse. <i>Food Control</i> , <b>2016</b> , 64, 10-16	6.2	22
55	Deposition of LDH on plasma treated polylactic acid to reduce water permeability. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 396, 47-52	9.3	22

54	Modified hydrotalcite-like compounds as active fillers of biodegradable polymers for drug release and food packaging applications. <i>Recent Patents on Nanotechnology</i> , <b>2012</b> , 6, 218-30	1.2	22
53	Polymorphic solidification of Linezolid confined in electrospun PCL fibers for controlled release in topical applications. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 490, 32-8	6.5	19
52	Ionic Liquid as Dispersing Agent of LDH-Carbon Nanotubes into a Biodegradable Vinyl Alcohol Polymer. <i>Polymers</i> , <b>2020</b> , 12,	4.5	17
51	Behavior of epoxy composite resins in environments at high moisture content. <i>Journal of Polymer Research</i> , <b>2013</b> , 20, 1	2.7	15
50	Influence of the powder dimensions on the antimicrobial properties of modified layered double hydroxide. <i>Applied Clay Science</i> , <b>2013</b> , 75-76, 46-51	5.2	15
49	Preparation and Physical Properties of Carbon Nanotubes/PVA Nanocomposites. <i>Journal of Macromolecular Science - Physics</i> , <b>2005</b> , 44, 779-795	1.4	14
48	Elastic Behaviour of Oriented Syndiotactic Poly(propylene). <i>Macromolecular Rapid Communications</i> , <b>2001</b> , 22, 104-108	4.8	14
47	Active packaging for table grapes: Evaluation of antimicrobial performances of packaging for shelf life of the grapes under thermal stress. <i>Food Packaging and Shelf Life</i> , <b>2020</b> , 25, 100545	8.2	14
46	Nanocomposites of syndiotactic polypropylene: Phase behavior and morphology. <i>Polymer Engineering and Science</i> , <b>2006</b> , 46, 1433-1442	2.3	13
45	Fabrication and Characterization of Poly(lactic acid)/Poly( $\epsilon$ -caprolactone) Blend Electrospun Fibers Loaded with Amoxicillin for Tunable Delivering. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2015</b> , 15, 4706-12	1.3	12
44	Structural and morphological changes during UV irradiation of the trans-planar form of syndiotactic polypropylene. <i>Polymer Degradation and Stability</i> , <b>2008</b> , 93, 176-187	4.7	12
43	Interfacial effects in organophilic montmorillonite/poly( $\epsilon$ -caprolactone) nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 3907-3919	2.6	12
42	Structural modifications induced by recycling of polypropylene. <i>Polymer Engineering and Science</i> , <b>1999</b> , 39, 1661-1666	2.3	12
41	Preparation, characterization and antibacterial activity of poly( $\epsilon$ -caprolactone) electrospun fibers loaded with amoxicillin for controlled release in biomedical applications. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2013</b> , 13, 1717-26	1.3	11
40	Permeability in Clay/Polyesters Nano-Biocomposites. <i>Green Energy and Technology</i> , <b>2012</b> , 237-264	0.6	10
39	Miscibility in crystalline polymer blends: Isotactic polypropylene and linear low-density polyethylene. <i>Journal of Applied Polymer Science</i> , <b>2003</b> , 90, 3338-3346	2.9	10
38	Studies of the $\beta$ - $\alpha$ transition in syndiotactic polystyrene. <i>Macromolecular Symposia</i> , <b>1999</b> , 138, 209-214	0.8	10
37	Influence of aging on the crystallization phenomenon of isotactic polystyrene. <i>Journal of Macromolecular Science - Physics</i> , <b>1996</b> , 35, 147-155	1.4	10

36	Correlation between microstructure and physical properties in styrene/ethylene copolymers. <i>Journal of Applied Polymer Science</i> , <b>1995</b> , 58, 1701-1706	2.9	10
35	Electrical properties of multi-walled carbon nanotube/tetrafunctional epoxy-amine composites <b>2012</b> ,		9
34	Phase Behavior of Blends of Poly( $\epsilon$ -Caprolactone) and a Modified Montmorillonite-Poly( $\epsilon$ -Caprolactone) Nanocomposite. <i>Journal of Macromolecular Science - Physics</i> , <b>2005</b> , 44, 79-92	1.4	9
33	A biocompatible process to prepare hyaluronan-based material able to self-assemble into stable nano-particles. <i>RSC Advances</i> , <b>2015</b> , 5, 29573-29576	3.7	8
32	Dependence of electrical properties of polypropylene isomers on morphology and chain conformation. <i>Journal Physics D: Applied Physics</i> , <b>2009</b> , 42, 135405	3	8
31	Multifunctional Bioactive Resin for Dental Restorative Materials. <i>Polymers</i> , <b>2020</b> , 12,	4.5	7
30	Dynamic Mechanical Properties of Structural Self-Healing Epoxy Resins. <i>Applied Mechanics and Materials</i> , <b>2011</b> , 62, 95-105	0.3	7
29	Equilibrium thermal behavior and morphology of organophilic montmorillonite/poly( $\epsilon$ -caprolactone) nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2006</b> , 44, 22-32	2.6	7
28	Solvent induced polymorphism of quenched syndiotactic polypropylene in different liquids. <i>Colloid and Polymer Science</i> , <b>2003</b> , 281, 469-475	2.4	7
27	Antimicrobial and Antibiofilm Activity of Curcumin-Loaded Electrospun Nanofibers for the Prevention of the Biofilm-Associated Infections. <i>Molecules</i> , <b>2021</b> , 26,	4.8	7
26	Development of nanostructured thermoregulating textile materials. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 4399-403	1.3	6
25	Recycling polyethylene from automotive fuel tanks. <i>Journal of Applied Polymer Science</i> , <b>2002</b> , 86, 347-351	1.9	6
24	Coaxial electrospun membranes of poly( $\epsilon$ -caprolactone)/poly(lactic acid) with reverse core-shell structures loaded with curcumin as tunable drug delivery systems. <i>Polymers for Advanced Technologies</i> , <b>2021</b> , 32, 4005-4013	3.2	6
23	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. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	6
22	Structural changes during annealing of the crystalline helical form of syndiotactic polypropylene. <i>Journal of Macromolecular Science - Physics</i> , <b>2002</b> , 41, 289-305	1.4	5
21	Fabrication and characterization of electrospun polylactide/ $\beta$ -calcium phosphate hybrid meshes for potential applications in hard tissue repair. <i>BioNanoMaterials</i> , <b>2014</b> , 15,		4
20	Crystallization kinetics and morphology of the mesomorphic form of syndiotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2007</b> , 45, 936-944	2.6	4
19	Correlation Between Structural and Dynamic-Mechanical Transitions of Different Syndiotactic Polypropylene Polymorphs. <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 349-363	1.4	4

18	Cast-extruded syndiotactic polypropylene films: preliminary structural and mechanical results. <i>Macromolecular Symposia</i> , <b>2002</b> , 180, 23-32	0.8	4
17	Influence of ageing on the ordering phenomena of syndiotactic polystyrene. <i>Macromolecular Chemistry and Physics</i> , <b>1994</b> , 195, 735-741	2.6	4
16	Physical and barrier properties of chemically modified pectin with polycaprolactone through an environmentally friendly process. <i>Colloid and Polymer Science</i> , <b>2021</b> , 299, 429-437	2.4	4
15	Enhanced in vitro antitumor activity of a titanocene complex encapsulated into polycaprolactone (PCL) electrospun fibers. <i>Journal of Applied Biomaterials and Functional Materials</i> , <b>2013</b> , 11, e61-70	1.8	3
14	Thermally Induced Structural and Dynamic-Mechanical Transition of Form II of Syndiotactic Polypropylene. <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 883-891	1.4	3
13	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. <i>Future Foods</i> , <b>2021</b> , 4, 100063	3.3	3
12	Structure, Morphology, and Crystallization Behavior of Syndiotactic Polystyrene <b>2009</b> , 155-193		3
11	Evaluation of the electrical properties of epoxy-based nanocomposites for motor insulation <b>2011</b> ,		2
10	FT-IR Investigation of Hoveyda-Grubbs 2nd Generation Catalyst in Self-Healing Epoxy Mixtures <b>2010</b> ,		2
9	Elasticity of syndiotactic polypropylene: Insights from temperature and time dependence. <i>European Polymer Journal</i> , <b>2009</b> , 45, 2192-2201	5.2	2
8	Recognition of the syndiotactic polypropylene polymorphs via dynamic-mechanical analysis. <i>Macromolecular Symposia</i> , <b>2003</b> , 203, 285-294	0.8	2
7	Solvent induced structural transitions in a liquid crystalline polyester. <i>Macromolecular Rapid Communications</i> , <b>1996</b> , 17, 447-454	4.8	2
6	Mechano-reversible physical aging of elastic oriented syndiotactic polypropylene. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2008</b> , 46, 599-606	2.6	1
5	Structural Changes During Annealing of Melt-Quenched Syndiotactic Polypropylene in the Trans-Planar Mesophase. <i>Journal of Macromolecular Science - Physics</i> , <b>2004</b> , 43, 989-1004	1.4	1
4	Influence of molecular weight on the structure and ageing behavior of quenched syndiotactic poly(propylene). <i>Macromolecular Chemistry and Physics</i> , <b>2002</b> , 203, 1420-1426	2.6	1
3	Use of an Alternative Colorant for Polyethylene Fuel Tanks Recycling. <i>Progress in Rubber, Plastics and Recycling Technology</i> , <b>2002</b> , 18, 259-268	1.7	
2	The Role of the trans-Planar Mesophase in the Polymorphic Behavior of Syndiotactic Polypropylene. <i>Macromolecular Symposia</i> , <b>2001</b> , 169, 125-136	0.8	
1	Influence of water on the physical aging of poly(ethylene terephthalate). <i>Macromolecular Symposia</i> , <b>1999</b> , 138, 139-147	0.8	

