# Elena Fortunati

## List of Publications by Citations



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|---|---|---|---|
| 134 papers | 9,760 citations | 52 h-index | 97 g-index |
| 136 ext. papers | 10,999 ext. citations | 6 avg, IF | 6.33 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 134 | Production of nanocrystalline cellulose from lignocellulosic biomass: technology and applications. *Carbohydrate Polymers*, **2013**, 94, 154-69 | 10.3 | 743 |
| 133 | Biodegradable polymer matrix nanocomposites for tissue engineering: A review. *Polymer Degradation and Stability*, **2010**, 95, 2126-2146 | 4.7 | 719 |
| 132 | Multifunctional bionanocomposite films of poly(lactic acid), cellulose nanocrystals and silver nanoparticles. *Carbohydrate Polymers*, **2012**, 87, 1596-1605 | 10.3 | 458 |
| 131 | Multifunctional nanostructured PLA materials for packaging and tissue engineering. *Progress in Polymer Science*, **2013**, 38, 1720-1747 | 29.6 | 421 |
| 130 | Effects of modified cellulose nanocrystals on the barrier and migration properties of PLA nano-biocomposites. *Carbohydrate Polymers*, **2012**, 90, 948-56 | 10.3 | 357 |
| 129 | Physical, structural and antimicrobial properties of poly vinyl alcohol□chitosan biodegradable films. *Food Hydrocolloids*, **2014**, 35, 463-470 | 10.6 | 285 |
| 128 | Bionanocomposite films based on plasticized PLA-PHB/cellulose nanocrystal blends. *Carbohydrate Polymers*, **2015**, 121, 265-75 | 10.3 | 233 |
| 127 | Antioxidant and antibacterial lignin nanoparticles in polyvinyl alcohol/chitosan films for active packaging. *Industrial Crops and Products*, **2016**, 94, 800-811 | 5.9 | 206 |
| 126 | PLA-PHB/cellulose based films: Mechanical, barrier and disintegration properties. *Polymer Degradation and Stability*, **2014**, 107, 139-149 | 4.7 | 204 |
| 125 | Multifunctional PLA-PHB/cellulose nanocrystal films: processing, structural and thermal properties. *Carbohydrate Polymers*, **2014**, 107, 16-24 | 10.3 | 200 |
| 124 | Microstructure and nonisothermal cold crystallization of PLA composites based on silver nanoparticles and nanocrystalline cellulose. *Polymer Degradation and Stability*, **2012**, 97, 2027-2036 | 4.7 | 171 |
| 123 | Combined effects of cellulose nanocrystals and silver nanoparticles on the barrier and migration properties of PLA nano-biocomposites. *Journal of Food Engineering*, **2013**, 118, 117-124 | 6 | 163 |
| 122 | Polyvinyl alcohol/chitosan hydrogels with enhanced antioxidant and antibacterial properties induced by lignin nanoparticles. *Carbohydrate Polymers*, **2018**, 181, 275-284 | 10.3 | 156 |
| 121 | Synergic effect of cellulose and lignin nanostructures in PLA based systems for food antibacterial packaging. *European Polymer Journal*, **2016**, 79, 1-12 | 5.2 | 155 |
| 120 | Effects of chitosan on the physicochemical and antimicrobial properties of PLA films. *Journal of Food Engineering*, **2013**, 119, 236-243 | 6 | 147 |
| 119 | Production and characterization of PLA_PBS biodegradable blends reinforced with cellulose nanocrystals extracted from hemp fibres. *Industrial Crops and Products*, **2016**, 93, 276-289 | 5.9 | 146 |
| 118 | Processing of PLA nanocomposites with cellulose nanocrystals extracted from Posidonia oceanica waste: Innovative reuse of coastal plant. *Industrial Crops and Products*, **2015**, 67, 439-447 | 5.9 | 143 |

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| 117 | Binary PVA bio-nanocomposites containing cellulose nanocrystals extracted from different natural sources: part I. *Carbohydrate Polymers*, **2013**, 97, 825-36 | 10.3 | 143 |
| 116 | Nano-biocomposite films with modified cellulose nanocrystals and synthesized silver nanoparticles. *Carbohydrate Polymers*, **2014**, 101, 1122-33 | 10.3 | 136 |
| 115 | Investigation of thermo-mechanical, chemical and degradative properties of PLA-limonene films reinforced with cellulose nanocrystals extracted from Phormium tenax leaves. *European Polymer Journal*, **2014**, 56, 77-91 | 5.2 | 135 |
| 114 | Processing and characterization of plasticized PLA/PHB blends for biodegradable multiphase systems. *EXPRESS Polymer Letters*, **2015**, 9, 583-596 | 3.4 | 133 |
| 113 | PLLA-grafted cellulose nanocrystals: Role of the CNC content and grafting on the PLA bionanocomposite film properties. *Carbohydrate Polymers*, **2016**, 142, 105-13 | 10.3 | 128 |
| 112 | Valorization of Acid Isolated High Yield Lignin Nanoparticles as Innovative Antioxidant/Antimicrobial Organic Materials. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 3502-3514 | 8.3 | 125 |
| 111 | Properties and ageing behaviour of pea starch films as affected by blend with poly(vinyl alcohol). *Food Hydrocolloids*, **2015**, 48, 84-93 | 10.6 | 124 |
| 110 | The interaction of bacteria with engineered nanostructured polymeric materials: a review. *Scientific World Journal, The*, **2014**, 2014, 410423 | 2.2 | 108 |
| 109 | Effect of processing conditions and lignin content on thermal, mechanical and degradative behavior of lignin nanoparticles/polylactic (acid) bionanocomposites prepared by melt extrusion and solvent casting. *European Polymer Journal*, **2015**, 71, 126-139 | 5.2 | 106 |
| 108 | Effect of cellulose and lignin on disintegration, antimicrobial and antioxidant properties of PLA active films. *International Journal of Biological Macromolecules*, **2016**, 89, 360-8 | 7.9 | 106 |
| 107 | PVA bio-nanocomposites: a new take-off using cellulose nanocrystals and PLGA nanoparticles. *Carbohydrate Polymers*, **2014**, 99, 47-58 | 10.3 | 105 |
| 106 | Cellulose nanocrystals extracted from okra fibers in PVA nanocomposites. *Journal of Applied Polymer Science*, **2013**, 128, 3220-3230 | 2.9 | 105 |
| 105 | Development and thermal behaviour of ternary PLA matrix composites. *Polymer Degradation and Stability*, **2010**, 95, 2200-2206 | 4.7 | 104 |
| 104 | Effect of silver nanoparticles and cellulose nanocrystals on electrospun poly(lactic) acid mats: morphology, thermal properties and mechanical behavior. *Carbohydrate Polymers*, **2014**, 103, 22-31 | 10.3 | 101 |
| 103 | A novel method to prepare conductive nanocrystalline cellulose/graphene oxide composite films. *Materials Letters*, **2013**, 105, 4-7 | 3.3 | 100 |
| 102 | Poly(lactic acid)/natural rubber/cellulose nanocrystal bionanocomposites part I. Processing and morphology. *Carbohydrate Polymers*, **2013**, 96, 611-20 | 10.3 | 88 |
| 101 | Poly(lactic acid)/natural rubber/cellulose nanocrystal bionanocomposites. Part II: properties evaluation. *Carbohydrate Polymers*, **2013**, 96, 621-7 | 10.3 | 82 |
| 100 | Tuning multi/pluri-potent stem cell fate by electrospun poly(L-lactic acid)-calcium-deficient hydroxyapatite nanocomposite mats. *Biomacromolecules*, **2012**, 13, 1350-60 | 6.9 | 82 |

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| 99 | Synergistic Effect of Halloysite and Cellulose Nanocrystals on the Functional Properties of PVA Based Nanocomposites. *ACS Sustainable Chemistry and Engineering*, **2016**, 4, 794-800 | 8.3 | 81 |
| 98 | Extraction of Cellulose Nanocrystals from Phormium tenax Fibres. *Journal of Polymers and the Environment*, **2013**, 21, 319-328 | 4.5 | 80 |
| 97 | Optimized extraction of cellulose nanocrystals from pristine and carded hemp fibres. *Industrial Crops and Products*, **2014**, 56, 175-186 | 5.9 | 76 |
| 96 | New multifunctional poly(lactide acid) composites: Mechanical, antibacterial, and degradation properties. *Journal of Applied Polymer Science*, **2012**, 124, 87-98 | 2.9 | 75 |
| 95 | Revalorization of sunflower stalks as novel sources of cellulose nanofibrils and nanocrystals and their effect on wheat gluten bionanocomposite properties. *Carbohydrate Polymers*, **2016**, 149, 357-68 | 10.3 | 73 |
| 94 | Poly(lactic) acid (PLA) and starch bilayer films, containing cinnamaldehyde, obtained by compression moulding. *European Polymer Journal*, **2017**, 95, 56-70 | 5.2 | 73 |
| 93 | Bio-based PLA_PHB plasticized blend films: Processing and structural characterization. *LWT - Food Science and Technology*, **2015**, 64, 980-988 | 5.4 | 72 |
| 92 | Lignocellulosic nanostructures as reinforcement in extruded and solvent casted polymeric nanocomposites: an overview. *European Polymer Journal*, **2016**, 80, 295-316 | 5.2 | 69 |
| 91 | Effect of lignin nanoparticles and masterbatch procedures on the final properties of glycidyl methacrylate- g -poly (lactic acid) films before and after accelerated UV weathering. *Industrial Crops and Products*, **2015**, 77, 833-844 | 5.9 | 66 |
| 90 | Study of disintegrability in compost and enzymatic degradation of PLA and PLA nanocomposites reinforced with cellulose nanocrystals extracted from Posidonia Oceanica. *Polymer Degradation and Stability*, **2015**, 121, 105-115 | 4.7 | 65 |
| 89 | Carbon nanotubes and silver nanoparticles for multifunctional conductive biopolymer composites. *Carbon*, **2011**, 49, 2370-2379 | 10.4 | 65 |
| 88 | Revalorization of barley straw and husk as precursors for cellulose nanocrystals extraction and their effect on PVA_CH nanocomposites. *Industrial Crops and Products*, **2016**, 92, 201-217 | 5.9 | 64 |
| 87 | Simple citric acid-catalyzed surface esterification of cellulose nanocrystals. *Carbohydrate Polymers*, **2017**, 157, 1358-1364 | 10.3 | 63 |
| 86 | Use of alginate, chitosan and cellulose nanocrystals as emulsion stabilizers in the synthesis of biodegradable polymeric nanoparticles. *Journal of Colloid and Interface Science*, **2015**, 445, 31-39 | 9.3 | 61 |
| 85 | Melt free radical grafting of glycidyl methacrylate (GMA) onto fully biodegradable poly(lactic) acid films: effect of cellulose nanocrystals and a masterbatch process. *RSC Advances*, **2015**, 5, 32350-32357 | 3.7 | 60 |
| 84 | Cellulose nanocrystals from Actinidia deliciosa pruning residues combined with carvacrol in PVA_CH films with antioxidant/antimicrobial properties for packaging applications. *International Journal of Biological Macromolecules*, **2017**, 104, 43-55 | 7.9 | 59 |
| 83 | Functional Properties of Plasticized Bio-Based Poly(Lactic Acid)_Poly(Hydroxybutyrate) (PLA_PHB) Films for Active Food Packaging. *Food and Bioprocess Technology*, **2017**, 10, 770-780 | 5.1 | 52 |
| 82 | Influence of thymol and silver nanoparticles on the degradation of poly(lactic acid) based nanocomposites: Thermal and morphological properties. *Polymer Degradation and Stability*, **2014**, 108, 158-165 | 4.7 | 52 |

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| 81 | Poly(N-vinylcaprolactam) nanocomposites containing nanocrystalline cellulose: a green approach to thermoresponsive hydrogels. *Cellulose*, **2013**, 20, 2393-2402 | 5.5 | 50 |
| 80 | Effect of cellulose nanocrystals on the properties of pea starch–poly(vinyl alcohol) blend films. *Journal of Materials Science*, **2015**, 50, 6979-6992 | 4.3 | 49 |
| 79 | Combined effects of Ag nanoparticles and oxygen plasma treatment on PLGA morphological, chemical, and antibacterial properties. *Biomacromolecules*, **2013**, 14, 626-36 | 6.9 | 47 |
| 78 | Nanostructured starch combined with hydroxytyrosol in poly(vinyl alcohol) based ternary films as active packaging system. *Carbohydrate Polymers*, **2018**, 193, 239-248 | 10.3 | 46 |
| 77 | Metal Nanoparticles Embedded in Cellulose Nanocrystal Based Films: Material Properties and Post-use Analysis. *Biomacromolecules*, **2018**, 19, 2618-2628 | 6.9 | 44 |
| 76 | Ternary PVA nanocomposites containing cellulose nanocrystals from different sources and silver particles: part II. *Carbohydrate Polymers*, **2013**, 97, 837-48 | 10.3 | 44 |
| 75 | PLGA/Ag nanocomposites: in vitro degradation study and silver ion release. *Journal of Materials Science: Materials in Medicine*, **2011**, 22, 2735-44 | 4.5 | 44 |
| 74 | Influence of organically modified clays on the properties and disintegrability in compost of solution cast poly(3-hydroxybutyrate) films. *Polymer Degradation and Stability*, **2014**, 99, 127-135 | 4.7 | 41 |
| 73 | Structure, gas-barrier properties and overall migration of poly(lactic acid) films coated with hydrogenated amorphous carbon layers. *Carbon*, **2013**, 63, 274-282 | 10.4 | 40 |
| 72 | Keratins extracted from Merino wool and Brown Alpaca fibres as potential fillers for PLLA-based biocomposites. *Journal of Materials Science*, **2014**, 49, 6257-6269 | 4.3 | 39 |
| 71 | Characterization and disintegrability under composting conditions of PLA-based nanocomposite films with thymol and silver nanoparticles. *Polymer Degradation and Stability*, **2016**, 132, 2-10 | 4.7 | 39 |
| 70 | Development and characterization of bionanocomposites based on poly(3-hydroxybutyrate) and cellulose nanocrystals for packaging applications. *Polymer International*, **2016**, 65, 1046-1053 | 3.3 | 38 |
| 69 | PCM for improving polyurethane-based cool roof membranes durability. *Solar Energy Materials and Solar Cells*, **2017**, 160, 34-42 | 6.4 | 38 |
| 68 | Keratins extracted from Merino wool and Brown Alpaca fibres: thermal, mechanical and biological properties of PLLA based biocomposites. *Materials Science and Engineering C*, **2015**, 47, 394-406 | 8.3 | 38 |
| 67 | Sustainable control strategies for plant protection and food packaging sectors by natural substances and novel nanotechnological approaches. *Journal of the Science of Food and Agriculture*, **2019**, 99, 986-1000 | 4.3 | 37 |
| 66 | The role of nanocrystalline cellulose on the microstructure of foamed castor-oil polyurethane nanocomposites. *Carbohydrate Polymers*, **2015**, 134, 110-8 | 10.3 | 36 |
| 65 | Okra (Abelmoschus esculentus) Fibre Based PLA Composites: Mechanical Behaviour and Biodegradation. *Journal of Polymers and the Environment*, **2013**, 21, 726-737 | 4.5 | 36 |
| 64 | Effect of ethylene-co-vinyl acetate-glycidylmethacrylate and cellulose microfibers on the thermal, rheological and biodegradation properties of poly(lactic acid) based systems. *Polymer Degradation and Stability*, **2013**, 98, 2742-2751 | 4.7 | 36 |

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| 63 | Biodegradation of Phormium tenax/poly(lactic acid) composites. *Journal of Applied Polymer Science*, **2012**, 125, E562-E572 | 2.9 | 36 |
| 62 | Processing Conditions, Thermal and Mechanical Responses of Stretchable Poly (Lactic Acid)/Poly (Butylene Succinate) Films. *Materials*, **2017**, 10, | 3.5 | 35 |
| 61 | Cellulose nanocrystals as templates for cetyltrimethylammonium bromide mediated synthesis of Ag nanoparticles and their novel use in PLA films. *Carbohydrate Polymers*, **2017**, 157, 1557-1567 | 10.3 | 33 |
| 60 | Effect of reactive functionalization on properties and degradability of poly(lactic acid)/poly(vinyl acetate) nanocomposites with cellulose nanocrystals. *Reactive and Functional Polymers*, **2017**, 110, 1-9 | 4.6 | 32 |
| 59 | Nonvolatile memory behavior of nanocrystalline cellulose/graphene oxide composite films. *Applied Physics Letters*, **2014**, 105, 153111 | 3.4 | 31 |
| 58 | Cellulose nanocrystals thin films as gate dielectric for flexible organic field-effect transistors. *Materials Letters*, **2014**, 126, 55-58 | 3.3 | 30 |
| 57 | Novel poly(L-lactide) PLLA/SWNTs nanocomposites for biomedical applications: material characterization and biocompatibility evaluation. *Journal of Biomaterials Science, Polymer Edition*, **2011**, 22, 541-56 | 3.5 | 30 |
| 56 | Processing and properties of poly(Ɛ-caprolactone)/carbon nanofibre composite mats and films obtained by electrospinning and solvent casting. *Journal of Materials Science*, **2009**, 44, 4789-4795 | 4.3 | 30 |
| 55 | Preparation of transparent and conductive cellulose nanocrystals/graphene nanoplatelets films. *Journal of Materials Science*, **2014**, 49, 1009-1013 | 4.3 | 28 |
| 54 | Integrated PLGA-Ag nanocomposite systems to control the degradation rate and antibacterial properties. *Journal of Applied Polymer Science*, **2013**, 130, 1185-1193 | 2.9 | 28 |
| 53 | Effect of Cellulose Nanocrystals and Bacterial Cellulose on Disintegrability in Composting Conditions of Plasticized PHB Nanocomposites. *Polymers*, **2017**, 9, | 4.5 | 26 |
| 52 | Processing and characterization of nanocomposite based on poly(butylene/triethylene succinate) copolymers and cellulose nanocrystals. *Carbohydrate Polymers*, **2017**, 165, 51-60 | 10.3 | 25 |
| 51 | Preparation and characterization of polybutylene-succinate/poly(ethylene-glycol)/cellulose nanocrystals ternary composites. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a | 2.9 | 24 |
| 50 | PLA Nanocomposites Reinforced with Cellulose Nanocrystals from Posidonia oceanica and ZnO Nanoparticles for Packaging Application. *Journal of Renewable Materials*, **2017**, 5, 103-115 | 2.4 | 22 |
| 49 | Effect of poly(dl-lactide-co-glycolide) nanoparticles or cellulose nanocrystals-based formulations on Pseudomonas syringae pv. tomato (Pst) and tomato plant development. *Journal of Plant Diseases and Protection*, **2016**, 123, 301-310 | 1.5 | 22 |
| 48 | Characterization and enzymatic degradation study of poly(Ɛ-caprolactone)-based biocomposites from almond agricultural by-products. *Polymer Degradation and Stability*, **2016**, 132, 181-190 | 4.7 | 22 |
| 47 | Effect of gallic acid and umbelliferone on thermal, mechanical, antioxidant and antimicrobial properties of poly (vinyl alcohol-co-ethylene) films. *Polymer Degradation and Stability*, **2018**, 152, 162-176 | 4.7 | 21 |
| 46 | Combined effect of cellulose nanocrystals, carvacrol and oligomeric lactic acid in PLA_PHB polymeric films. *Carbohydrate Polymers*, **2019**, 223, 115131 | 10.3 | 21 |

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| 45 | Effective Postharvest Preservation of Kiwifruit and Romaine Lettuce with a Chitosan Hydrochloride Coating. *Coatings*, **2017**, 7, 196 | 2.9 | 21 |
| 44 | Controlled Release of Thymol from Poly(Lactic Acid)-Based Silver Nanocomposite Films with Antibacterial and Antioxidant Activity. *Antioxidants*, **2020**, 9, | 7.1 | 20 |
| 43 | Thermal and bio-disintegration properties of poly(lactic acid)/natural rubber/organoclay nanocomposites. *Applied Clay Science*, **2014**, 93-94, 78-84 | 5.2 | 20 |
| 42 | Effect of hydroxytyrosol methyl carbonate on the thermal, migration and antioxidant properties of PVA-based films for active food packaging. *Polymer International*, **2016**, 65, 872-882 | 3.3 | 20 |
| 41 | Spin coated cellulose nanocrystal/silver nanoparticle films. *Carbohydrate Polymers*, **2014**, 113, 394-402 | 10.3 | 18 |
| 40 | Effect of Fiber Surface Treatments on Thermo-Mechanical Behavior of Poly(Lactic Acid)/Phormium Tenax Composites. *Journal of Polymers and the Environment*, **2013**, 21, 881-891 | 4.5 | 18 |
| 39 | Design of a nanocomposite substrate inducing adult stem cell assembly and progression toward an Epiblast-like or Primitive Endoderm-like phenotype via mechanotransduction. *Biomaterials*, **2017**, 144, 211-229 | 15.6 | 18 |
| 38 | Revalorisation of Posidonia Oceanica as Reinforcement in Polyethylene/Maleic Anhydride Grafted Polyethylene Composites. *Journal of Renewable Materials*, **2014**, 2, 66-76 | 2.4 | 18 |
| 37 | Antimicrobial Properties and Cytocompatibility of PLGA/Ag Nanocomposites. *Materials*, **2016**, 9, | 3.5 | 18 |
| 36 | Modulation of Acid Hydrolysis Reaction Time for the Extraction of Cellulose Nanocrystals from Posidonia oceanica Leaves. *Journal of Renewable Materials*, **2016**, 4, 190-198 | 2.4 | 18 |
| 35 | Production and properties of solvent-cast poly(Ɛ-caprolactone) composites with carbon nanostructures. *Journal of Applied Polymer Science*, **2011**, 119, 3544-3552 | 2.9 | 16 |
| 34 | Hydroxytyrosol as Active Ingredient in Poly(vinyl alcohol) Films for Food Packaging Applications. *Journal of Renewable Materials*, **2017**, 5, 81-95 | 2.4 | 14 |
| 33 | Reinforcement effect of cellulose nanocrystals in thermoplastic polyurethane matrices characterized by different soft/hard segment ratio. *Polymer Engineering and Science*, **2017**, 57, 521-530 | 2.3 | 13 |
| 32 | Controlled Release, Disintegration, Antioxidant, and Antimicrobial Properties of Poly (Lactic Acid)/Thymol/Nanoclay Composites. *Polymers*, **2020**, 12, | 4.5 | 13 |
| 31 | Nanocellulose-Based Polymeric Blends for Food Packaging Applications **2016**, 205-252 | | 13 |
| 30 | Influence of Processing Conditions on Morphological, Thermal and Degradative Behavior of Nanocomposites Based on Plasticized Poly(3-hydroxybutyrate) and Organo-Modified Clay. *Journal of Polymers and the Environment*, **2016**, 24, 12-22 | 4.5 | 12 |
| 29 | Biodegradable composite scaffolds: a strategy to modulate stem cell behaviour. *Recent Patents on Drug Delivery and Formulation*, **2013**, 7, 9-17 | 1.4 | 12 |
| 28 | Effect of processing techniques on the 3D microstructure of poly (l-lactic acid) scaffolds reinforced with wool keratin from different sources. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a | 2.9 | 11 |

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| 27 | Nanomaterials in Plant Protection **2017**, 113-134 | | 10 |
| 26 | Bio-Based Nanocomposites in Food Packaging **2018**, 71-110 | | 10 |
| 25 | Effect of mercapto-silanes on the functional properties of highly amorphous vinyl alcohol composites with reduced graphene oxide and cellulose nanocrystals. *Composites Science and Technology*, **2020**, 200, 108458 | 8.6 | 9 |
| 24 | Multifunctional Films, Blends, and Nanocomposites Based on Chitosan **2016**, 467-477 | | 9 |
| 23 | Cellulose nano-biocomposites from high oleic sunflower oil-derived thermosets. *European Polymer Journal*, **2016**, 79, 109-120 | 5.2 | 8 |
| 22 | Multifunctional antimicrobial nanocomposites for food packaging applications **2017**, 265-303 | | 7 |
| 21 | Effect of SWCNT introduction in random copolymers on material properties and fibroblast long term culture stability. *Polymer Degradation and Stability*, **2016**, 132, 220-230 | 4.7 | 7 |
| 20 | Life Cycle Analysis of Extruded Films Based on Poly(lactic acid)/Cellulose Nanocrystal/Limonene: A Comparative Study with ATBC Plasticized PLA/OMMT Systems. *Journal of Polymers and the Environment*, **2018**, 26, 1891-1902 | 4.5 | 7 |
| 19 | Nanocomposites Based on PLLA and Multi Walled Carbon Nanotubes Support the Myogenic Differentiation of Murine Myoblast Cell Line **2013**, 2013, 1-8 | | 6 |
| 18 | Extraction of Lignocellulosic Materials From Waste Products **2016**, 1-38 | | 6 |
| 17 | Lignocellulosic materials as reinforcements in sustainable packaging systems **2019**, 87-102 | | 5 |
| 16 | Effect of Cellulose Nanocrystals on Fire, Thermal and Mechanical Behavior of N,N′Diallyl-phenylphosphoricdiamide Modified Poly(lactic acid). *Journal of Renewable Materials*, **2017**, 5, 423-434 | 2.4 | 5 |
| 15 | Okra Fibres as Potential Reinforcement in Biocomposites **2014**, 175-190 | | 4 |
| 14 | Novel Nanoscaled Materials from Lignocellulosic Sources: Potential Applications in the Agricultural Sector **2019**, 2657-2679 | | 3 |
| 13 | Exploring cellulose nanocrystals obtained from olive tree wastes as sustainable crop protection tool against bacterial diseases.. *Scientific Reports*, **2022**, 12, 6149 | 4.9 | 3 |
| 12 | Cellulose nanocrystals in nanocomposite approach: Green and high-performance materials for industrial, biomedical and agricultural applications **2016**, | | 2 |
| 11 | Lignocellulosic materials as novel carriers, also at nanoscale, of organic active principles for agri-food applications **2019**, 161-178 | | 1 |
| 10 | Novel Nanoscaled Materials from Lignocellulosic Sources: Potential Applications in the Agricultural Sector **2017**, 1-24 | | 1 |

# List of Publications

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| 9 | Multifunctional Ternary Polymeric Nanocomposites Based on Cellulosic Nanoreinforcements **2014**, 163-198 | | 1 |
| 8 | Antibacterial activity of coumarin as an innovative organic control strategy for Xanthomonas euvesicatoria pv. euvesicatoria. *Journal of Plant Diseases and Protection*,1 | 1.5 | 1 |
| 7 | PLA nanocomposites from Posidonia oceanica waste **2017**, 347-363 | | |
| 6 | Biopolymeric Based Formulations for Industrial and Biomedical Applications. *Current Organic Chemistry*, **2018**, 22, 1139-1140 | 1.7 | |
| 5 | Recent Advances in Conductive Composites Based on Biodegradable Polymers for Regenerative Medicine Applications **2017**, 519-542 | | |
| 4 | Engineering Biodegradable Polymers to Control Their Degradation and Optimize Their Use as Delivery and Theranostic Systems **2015**, 557-576 | | |
| 3 | Biodegradable Composite Scaffolds: A Strategy to Modulate Stem Cell Behaviour. *Recent Patents on Drug Delivery and Formulation*, **2012**, 7, 9-17 | 1.4 | |
| 2 | Organic antimicrobial nanomaterials and reducing copper use in sustainable plant protection **2022**, 179-209 | | |
| 1 | Natural Fibre Based Biopolymer Formulations with Potential Applications in Biomedical and Packaging Sector. *Mini-Reviews in Organic Chemistry*, **2021**, 18, 450-464 | 1.7 | |