

Debora Puglia

List of Publications by Year in descending order

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212
papers

12,076
citations

17440

63
h-index

34986

98
g-index

218
all docs

218
docs citations

218
times ranked

10430
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymeric composites and nanocomposites containing lignin. , 2022, , 293-324.		2
2	Lemna minor aqueous extract as a natural ingredient incorporated in poly (vinyl alcohol)-based films for active food packaging systems. Food Packaging and Shelf Life, 2022, 32, 100822.	7.5	6
3	Synthesis of a Lignin/Zinc Oxide Hybrid Nanoparticles System and Its Application by Nano-Priming in Maize. Nanomaterials, 2022, 12, 568.	4.1	14
4	Wound Dressing: Combination of Acacia Gum/PVP/Cyclic Dextrin in Bioadhesive Patches Loaded with Grape Seed Extract. Pharmaceutics, 2022, 14, 485.	4.5	12
5	Biopolypropylene-Based Wood Plastic Composites Reinforced with Mango Peel Flour and Compatibilized with an Environmentally Friendly Copolymer from Itaconic Acid. ACS Applied Polymer Materials, 2022, 4, 4398-4410.	4.4	7
6	Preparation of toughened poly(lactic acid)-poly(μ -caprolactone)-lignin nanocomposites with good heat- and UV-resistance. Industrial Crops and Products, 2022, 183, 114965.	5.2	16
7	Organic waste valorisation towards circular and sustainable biocomposites. Green Chemistry, 2022, 24, 5429-5459.	9.0	26
8	Sulfonated Fe ₃ O ₄ /PES nanocomposites as efficient separators in microbial fuel cells. Journal of Membrane Science, 2021, 620, 118967.	8.2	16
9	Development of Compatibilized Polyamide 1010/Coconut Fibers Composites by Reactive Extrusion with Modified Linseed Oil and Multi-functional Petroleum Derived Compatibilizers. Fibers and Polymers, 2021, 22, 728-744.	2.1	7
10	Migration and Degradation in Composting Environment of Active Poly(lactic acid) Bilayer Nanocomposites Films: Combined Role of Umbelliferone, Lignin and Cellulose Nanostructures. Polymers, 2021, 13, 282.	4.5	7
11	Lignin-based materials with antioxidant and antimicrobial properties. , 2021, , 291-326.		3
12	Lignin Nanoparticles: A Promising Tool to Improve Maize Physiological, Biochemical, and Chemical Traits. Nanomaterials, 2021, 11, 846.	4.1	32
13	Development and Characterization of Xanthan Gum and Alginate Based Bioadhesive Film for Pycnogenol Topical Use in Wound Treatment. Pharmaceutics, 2021, 13, 324.	4.5	25
14	Graphene nanoplatelet, multiwall carbon nanotube, and hybrid multiwall carbon nanotube-graphene nanoplatelet epoxy nanocomposites as strain sensing coatings. Journal of Reinforced Plastics and Composites, 2021, 40, 632-643.	3.1	28
15	The Opportunity of Valorizing Agricultural Waste, Through Its Conversion into Biostimulants, Biofertilizers, and Biopolymers. Sustainability, 2021, 13, 2710.	3.2	64
16	Hydroxytyrosol and Oleuropein-Enriched Extracts Obtained from Olive Oil Wastes and By-Products as Active Antioxidant Ingredients for Poly (Vinyl Alcohol)-Based Films. Molecules, 2021, 26, 2104.	3.8	20
17	Highly transparent PVA/nanolignin composite films with excellent UV shielding, antibacterial and antioxidant performance. Reactive and Functional Polymers, 2021, 162, 104873.	4.1	50
18	Fabrication of water-resistant epoxy nanocomposite with improved dynamic mechanical properties and balanced thermal and dimensional stability: Study on dual role of graphene oxide nanosheets and barium oxide microparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 617, 126405.	4.7	7

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19	Anthocyanin Hybrid Nanopigments from Pomegranate Waste: Colour, Thermomechanical Stability and Environmental Impact of Polyester-Based Bionanocomposites. <i>Polymers</i> , 2021, 13, 1966.	4.5	12
20	Enhancing the Radical Scavenging Activity and UV Resistance of Lignin Nanoparticles via Surface Mannich Amination toward a Biobased Antioxidant. <i>Biomacromolecules</i> , 2021, 22, 2693-2701.	5.4	60
21	Evaluation of the Factors Affecting the Disintegration under a Composting Process of Poly(lactic acid)/Lignin Nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021, 164, 4951-4962.	4.5	22
22	Highly-toughened PVA/nanocellulose hydrogels with anti-oxidative and antibacterial properties triggered by lignin-Ag nanoparticles. <i>Materials Science and Engineering C</i> , 2021, 129, 112385.	7.3	33
23	Multifunctional lignin-based nanocomposites and nanohybrids. <i>Green Chemistry</i> , 2021, 23, 6698-6760.	9.0	93
24	UV Protective, Antioxidant, Antibacterial and Compostable Polylactic Acid Composites Containing Pristine and Chemically Modified Lignin Nanoparticles. <i>Molecules</i> , 2021, 26, 126.	3.8	51
25	Design of Intrinsically Flame-Retardant Vanillin-Based Epoxy Resin for Thermal-Conductive Epoxy/Graphene Aerogel Composites. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59341-59351.	8.0	35
26	Epoxy/Zn-Al-CO ₃ LDH nanocomposites: Curability assessment. <i>Progress in Organic Coatings</i> , 2020, 138, 105355.	3.9	19
27	Effect of Pretreatment of Nanocomposite PES/Fe ₃ O ₄ Separator on Microbial Fuel Cells Performance. <i>Polymer Engineering and Science</i> , 2020, 60, 371-379.	3.1	7
28	Poly(lactic acid)/lignin films with enhanced toughness and anti-oxidation performance for active food packaging. <i>International Journal of Biological Macromolecules</i> , 2020, 144, 102-110.	7.5	119
29	Exploring curing potential of epoxy nanocomposites containing nitrate anion intercalated Mg-Al-LDH with Cure Index. <i>Progress in Organic Coatings</i> , 2020, 139, 105255.	3.9	10
30	Biocomposites Based on Plasticized Wheat Flours: Effect of Bran Content on Thermomechanical Behavior. <i>Polymers</i> , 2020, 12, 2248.	4.5	7
31	Synergic Effect of Nanolignin and Metal Oxide Nanoparticles into Poly(lactide) Bionanocomposites: Material Properties, Antioxidant Activity, and Antibacterial Performance. <i>ACS Applied Bio Materials</i> , 2020, 3, 5263-5274.	4.6	52
32	Novel Nanocomposite PLA Films with Lignin/Zinc Oxide Hybrids: Design, Characterization, Interaction with Mesenchymal Stem Cells. <i>Nanomaterials</i> , 2020, 10, 2176.	4.1	24
33	Hydrophobic, UV resistant and dielectric polyurethane-nanolignin composites with good reprocessability. <i>Materials and Design</i> , 2020, 196, 109150.	7.0	33
34	Polymeric Bioadhesive Patch Based on Ketoprofen-Hydrocortisone Hybrid for Local Treatments. <i>Pharmaceutics</i> , 2020, 12, 733.	4.5	9
35	Antioxidant Packaging Films Based on Ethylene Vinyl Alcohol Copolymer (EVOH) and Caffeic Acid. <i>Molecules</i> , 2020, 25, 3953.	3.8	26
36	Effect of Chlorophyll Hybrid Nanopigments from Broccoli Waste on Thermomechanical and Colour Behaviour of Polyester-Based Bionanocomposites. <i>Polymers</i> , 2020, 12, 2508.	4.5	9

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37	Effect of SWCNT Content and Water Vapor Adsorption on the Electrical Properties of Cellulose Nanocrystal-Based Nanohybrids. <i>Journal of Physical Chemistry C</i> , 2020, 124, 14901-14910.	3.1	6
38	Thermomechanical, antioxidant and moisture behaviour of PVA films in presence of citric acid esterified cellulose nanocrystals. <i>International Journal of Biological Macromolecules</i> , 2020, 161, 617-626.	7.5	39
39	Effect of Cellulose Nanocrystals and Lignin Nanoparticles on Mechanical, Antioxidant and Water Vapour Barrier Properties of Glutaraldehyde Crosslinked PVA Films. <i>Polymers</i> , 2020, 12, 1364.	4.5	82
40	Cellulose nanocrystal based multifunctional nanohybrids. <i>Progress in Materials Science</i> , 2020, 112, 100668.	32.8	113
41	Effect of Lemon Waste Natural Dye and Essential Oil Loaded into Laminar Nanoclays on Thermomechanical and Color Properties of Polyester Based Bionanocomposites. <i>Polymers</i> , 2020, 12, 1451.	4.5	11
42	Characterization of Licorice Root Waste for Prospective Use as Filler in more Eco-Friendly Composite Materials. <i>Processes</i> , 2020, 8, 733.	2.8	12
43	Straw fibres from barley hybrid lines and their reinforcement effect in polypropylene based composites. <i>Industrial Crops and Products</i> , 2020, 154, 112736.	5.2	12
44	PBS-Based Green Copolymer as an Efficient Compatibilizer in Thermoplastic Inedible Wheat Flour/Poly(butylene succinate) Blends. <i>Biomacromolecules</i> , 2020, 21, 3254-3269.	5.4	25
45	Improved Toughness in Lignin/Natural Fiber Composites Plasticized with Epoxidized and Maleinized Linseed Oils. <i>Materials</i> , 2020, 13, 600.	2.9	12
46	Thermomechanical and Morphological Properties of Poly(ethylene terephthalate)/Anhydrous Calcium Terephthalate Nanocomposites. <i>Polymers</i> , 2020, 12, 276.	4.5	15
47	Effect of Almond Shell Waste on Physicochemical Properties of Polyester-Based Biocomposites. <i>Polymers</i> , 2020, 12, 835.	4.5	18
48	Epoxy/layered double hydroxide (LDH) nanocomposites: Synthesis, characterization, and Excellent cure feature of nitrate anion intercalated Zn-Al LDH. <i>Progress in Organic Coatings</i> , 2019, 136, 105218.	3.9	67
49	Cure Index for labeling curing potential of epoxy/LDH nanocomposites: A case study on nitrate anion intercalated Ni-Al-LDH. <i>Progress in Organic Coatings</i> , 2019, 136, 105228.	3.9	43
50	Biomimetic multifunctional materials: a review. <i>Emergent Materials</i> , 2019, 2, 391-415.	5.7	27
51	Curing epoxy with Mg-Al LDH nanoplatelets intercalated with carbonate ion. <i>Progress in Organic Coatings</i> , 2019, 136, 105278.	3.9	31
52	Development of Mg-Zn-Al-CO ₃ ternary LDH and its curability in epoxy/amine system. <i>Progress in Organic Coatings</i> , 2019, 136, 105264.	3.9	34
53	Bio-Polyethylene-Based Composites Reinforced with Alkali and Palmitoyl Chloride-Treated Coffee Silverskin. <i>Molecules</i> , 2019, 24, 3113.	3.8	34
54	Cure kinetics of epoxy/graphene oxide (GO) nanocomposites: Effect of starch functionalization of GO nanosheets. <i>Progress in Organic Coatings</i> , 2019, 136, 105217.	3.9	41

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55	Extraction of nanostructured starch from purified granules of waxy and non-waxy barley cultivars. <i>Industrial Crops and Products</i> , 2019, 130, 520-527.	5.2	11
56	Thermal, antioxidant and swelling behaviour of transparent polyvinyl (alcohol) films in presence of hydrophobic citric acid-modified lignin nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 665-676.	7.5	100
57	Active Role of ZnO Nanorods in Thermomechanical and Barrier Performance of Poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (a	4.5	8
58	Thermal and mechanical behavior of thermoplastic composites reinforced with fibers enzymatically extracted from <i>Ampelodesmos mauritanicus</i> . <i>Polymer Engineering and Science</i> , 2019, 59, 2418-2428.	3.1	8
59	Design and Characterization of PLA Bilayer Films Containing Lignin and Cellulose Nanostructures in Combination With Umbelliferone as Active Ingredient. <i>Frontiers in Chemistry</i> , 2019, 7, 157.	3.6	38
60	Protocol for nonisothermal cure analysis of thermoset composites. <i>Progress in Organic Coatings</i> , 2019, 131, 333-339.	3.9	87
61	Natural fiber biodegradable composites and nanocomposites. , 2019, , 179-201.		17
62	Bio- and Fossil-Based Polymeric Blends and Nanocomposites for Packaging: Structureâ€“Property Relationship. <i>Materials</i> , 2019, 12, 471.	2.9	113
63	Multifunctional and Environmentally Friendly TiO2â€“SiO2 Mesoporous Materials for Sustainable Green Buildings. <i>Molecules</i> , 2019, 24, 4226.	3.8	12
64	A Novel Class of Cost Effective and High Performance Composites Based on Terephthalate Salts Reinforced Polyether Ether Ketone. <i>Polymers</i> , 2019, 11, 2097.	4.5	6
65	Gallic Acid and Quercetin as Intelligent and Active Ingredients in Poly(vinyl alcohol) Films for Food Packaging. <i>Polymers</i> , 2019, 11, 1999.	4.5	71
66	Reactive compatibilization of plant polysaccharides and biobased polymers: Review on current strategies, expectations and reality. <i>Carbohydrate Polymers</i> , 2019, 209, 20-37.	10.2	89
67	Valorization and extraction of cellulose nanocrystals from North African grass: <i>Ampelodesmos mauritanicus</i> (Diss). <i>Carbohydrate Polymers</i> , 2019, 209, 328-337.	10.2	77
68	Preparation and properties of adhesives based on phenolic resin containing lignin micro and nanoparticles: A comparative study. <i>Materials and Design</i> , 2019, 161, 55-63.	7.0	82
69	Recycling coffee silverskin in sustainable composites based on a poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 187 Td (a	5.2	45
70	Effect of gallic acid and umbelliferone on thermal, mechanical, antioxidant and antimicrobial properties of poly (vinyl alcohol-co-ethylene) films. <i>Polymer Degradation and Stability</i> , 2018, 152, 162-176.	5.8	34
71	Role of lignin nanoparticles in UV resistance, thermal and mechanical performance of PMMA nanocomposites prepared by a combined free-radical graft polymerization/masterbatch procedure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 107, 61-69.	7.6	83
72	Valorization of Acid Isolated High Yield Lignin Nanoparticles as Innovative Antioxidant/Antimicrobial Organic Materials. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 3502-3514.	6.7	214

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73	Effect of nano-magnetite particle content on mechanical, thermal and magnetic properties of polypropylene composites. <i>Polymer Composites</i> , 2018, 39, E1742.	4.6	11
74	Synthesis, characterization and performance evaluation of Fe ₃ O ₄ /PES nano composite membranes for microbial fuel cell. <i>European Polymer Journal</i> , 2018, 99, 222-229.	5.4	61
75	Hyperbranched poly(ethyleneimine) physically attached to silica nanoparticles to facilitate curing of epoxy nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2018, 120, 100-109.	3.9	83
76	Development and curing potential of epoxy/starch-functionalized graphene oxide nanocomposite coatings. <i>Progress in Organic Coatings</i> , 2018, 119, 194-202.	3.9	83
77	Polyvinyl alcohol/chitosan hydrogels with enhanced antioxidant and antibacterial properties induced by lignin nanoparticles. <i>Carbohydrate Polymers</i> , 2018, 181, 275-284.	10.2	228
78	Cure kinetics of epoxy/chicken eggshell biowaste composites: Isothermal calorimetric and chemorheological analyses. <i>Progress in Organic Coatings</i> , 2018, 114, 208-215.	3.9	49
79	Life Cycle Analysis of Extruded Films Based on Poly(lactic acid)/Cellulose Nanocrystal/Limonene: A Comparative Study with ATBC Plasticized PLA/OMMT Systems. <i>Journal of Polymers and the Environment</i> , 2018, 26, 1891-1902.	5.0	13
80	Effect of Different Compatibilizers on Sustainable Composites Based on a PHBV/PBAT Matrix Filled with Coffee Silverskin. <i>Polymers</i> , 2018, 10, 1256.	4.5	36
81	Acid-aided epoxy-amine curing reaction as reflected in epoxy/Fe ₃ O ₄ nanocomposites: Chemistry, mechanism, and fracture behavior. <i>Progress in Organic Coatings</i> , 2018, 125, 384-392.	3.9	77
82	Enhancement of paperboard performance as packaging material by layering with plasticized polyhydroxybutyrate/nanocellulose coatings. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46872.	2.6	24
83	Structure-property relationships of thermoset nanocomposites. , 2018, , 231-276.		6
84	Curing behavior of epoxy/Fe ₃ O ₄ nanocomposites: A comparison between the effects of bare Fe ₃ O ₄ , Fe ₃ O ₄ /SiO ₂ /chitosan and Fe ₃ O ₄ /SiO ₂ /chitosan/imide/phenylalanine-modified nanofillers. <i>Progress in Organic Coatings</i> , 2018, 123, 10-19.	3.9	89
85	Study of paperboard material layered with plasticized polyhydroxybutyrate/nanocellulose coatings for packaging application. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	2
86	Nanocomposites Based on Biodegradable Polymers. <i>Materials</i> , 2018, 11, 795.	2.9	83
87	Citric Acid as Green Modifier for Tuned Hydrophilicity of Surface Modified Cellulose and Lignin Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9966-9978.	6.7	72
88	Influence of gallic acid and umbelliferone on structural and functional properties of poly(vinyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142	0.4	1
89	Bio-Based Nanocomposites in Food Packaging. , 2018, , 71-110.		19
90	Lignocellulosic Based Bionanocomposites for Different Industrial Applications. <i>Current Organic Chemistry</i> , 2018, 22, 1205-1221.	1.6	8

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91	The role of clay modifier on cure characteristics and properties of epoxy/clay/carboxyl-terminated poly(butadiene-co-acrylonitrile) (CTBN) hybrid. <i>Materials Technology</i> , 2017, 32, 171-177.	3.0	19
92	Biodegradable polycaprolactone-based composites reinforced with ramie and borassus fibres. <i>Composite Structures</i> , 2017, 167, 20-29.	5.8	51
93	Biowaste chicken eggshell powder as a potential cure modifier for epoxy/anhydride systems: competitiveness with terpolymer-modified calcium carbonate at low loading levels. <i>RSC Advances</i> , 2017, 7, 2218-2230.	3.6	55
94	Relationships between wheat flour baking properties and tensile characteristics of derived thermoplastic films. <i>Industrial Crops and Products</i> , 2017, 100, 138-145.	5.2	11
95	To What Extent Can Hyperelastic Models Make Sense the Effect of Clay Surface Treatment on the Mechanical Properties of Elastomeric Nanocomposites?. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700036.	3.6	16
96	PLA Nanocomposites Reinforced with Cellulose Nanocrystals from <i>Posidonia oceanica</i> and ZnO Nanoparticles for Packaging Application. <i>Journal of Renewable Materials</i> , 2017, 5, 103-115.	2.2	34
97	Cure kinetics of epoxy/MWCNTs nanocomposites: Isothermal calorimetric and rheological analyses. <i>Progress in Organic Coatings</i> , 2017, 108, 75-83.	3.9	60
98	Elastomer/thermoplastic modified epoxy nanocomposites: The hybrid effect of μm and nm scale. <i>Materials Science and Engineering Reports</i> , 2017, 116, 1-29.	31.8	99
99	Cellulose nanocrystals as templates for cetyltrimethylammonium bromide mediated synthesis of Ag nanoparticles and their novel use in PLA films. <i>Carbohydrate Polymers</i> , 2017, 157, 1557-1567.	10.2	39
100	Calorimetric analysis and molecular dynamics simulation of cure kinetics of epoxy/chitosan-modified Fe ₃ O ₄ nanocomposites. <i>Progress in Organic Coatings</i> , 2017, 112, 176-186.	3.9	56
101	8 Injection moulding of plant fibre composites. , 2017, , 420-439.		3
102	Melt processing and mechanical property characterization of high-performance poly(ether ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.1	23
103	In Focus International Conference on Nanostructured Polymers and Nanocomposites (ECNP). <i>Polymer International</i> , 2017, 66, 1689-1689.	3.1	0
104	Manufacturing of Natural Fiber/Agrowaste Based Polymer Composites. <i>Green Energy and Technology</i> , 2017, , 125-147.	0.6	5
105	Effect of reactive functionalization on properties and degradability of poly(lactic acid)/poly(vinyl) Tj ETQq1 1 0.784314 rgBT /Overlock 1	4.1	38
106	Processing Conditions, Thermal and Mechanical Responses of Stretchable Poly (Lactic Acid)/Poly (Butylene Succinate) Films. <i>Materials</i> , 2017, 10, 809.	2.9	55
107	Effect of Cellulose Nanocrystals and Bacterial Cellulose on Disintegrability in Composting Conditions of Plasticized PHB Nanocomposites. <i>Polymers</i> , 2017, 9, 561.	4.5	39
108	Multifunctional antimicrobial nanocomposites for food packaging applications. , 2017, , 265-303.		9

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109	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.	2.2	6
110	Cure Kinetics of Epoxy/Rubber Polymer Blends. , 2017, , 211-237.		1
111	Extraction of Lignocellulosic Materials From Waste Products. , 2016, , 1-38.		10
112	Preparation and characterization of polybutyleneâ€succinate/poly(ethyleneâ€glycol)/cellulose nanocrystals ternary composites. Journal of Applied Polymer Science, 2016, 133, .	2.6	28
113	Modulation of Acid Hydrolysis Reaction Time for the Extraction of Cellulose Nanocrystals from <i>Posidonia oceanica</i> Leaves. Journal of Renewable Materials, 2016, 4, 190-198.	2.2	21
114	Tensile, Thermal and Morphological Characterization of Cocoa Bean Shells (CBS)/Polycaprolactone-Based Composites. Journal of Renewable Materials, 2016, 4, 199-205.	2.2	15
115	Synergic effect of cellulose and lignin nanostructures in PLA based systems for food antibacterial packaging. European Polymer Journal, 2016, 79, 1-12.	5.4	212
116	Lignocellulosic nanostructures as reinforcement in extruded and solvent casted polymeric nanocomposites: an overview. European Polymer Journal, 2016, 80, 295-316.	5.4	80
117	Effect of cellulose and lignin on disintegration, antimicrobial and antioxidant properties of PLA active films. International Journal of Biological Macromolecules, 2016, 89, 360-368.	7.5	161
118	Antioxidant and antibacterial lignin nanoparticles in polyvinyl alcohol/chitosan films for active packaging. Industrial Crops and Products, 2016, 94, 800-811.	5.2	307
119	Developing keratin sponges with tunable morphologies and controlled antioxidant properties induced by doping with polydopamine (PDA) nanoparticles. Materials and Design, 2016, 110, 475-484.	7.0	27
120	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.	5.2	79
121	CTAB modified dellite: A novel support for enzyme immobilization in bio-based electrochemical detection and its in vitro antimicrobial activity. Sensors and Actuators B: Chemical, 2016, 235, 46-55.	7.8	14
122	Revalorization of sunflower stalks as novel sources of cellulose nanofibrils and nanocrystals and their effect on wheat gluten bionanocomposite properties. Carbohydrate Polymers, 2016, 149, 357-368.	10.2	94
123	Development and characterization of bionanocomposites based on poly(3â€hydroxybutyrate) and cellulose nanocrystals for packaging applications. Polymer International, 2016, 65, 1046-1053.	3.1	47
124	Tensile Behavior of Thermoplastic Films from Wheat Flours as Function of Raw Material Baking Properties. Journal of Polymers and the Environment, 2016, 24, 37-47.	5.0	16
125	Production and characterization of PLA_PBS biodegradable blends reinforced with cellulose nanocrystals extracted from hemp fibres. Industrial Crops and Products, 2016, 93, 276-289.	5.2	186
126	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.	5.0	14

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127	Solvent Uptake of Liquid Rubber Toughened Epoxy/Clay Nanocomposites. <i>Advances in Polymer Technology</i> , 2016, 35, .	1.7	6
128	Effect of processing techniques on the 3D microstructure of poly(l-lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Science, 2015, 132, .	2.6	14
129	Structure and properties of biodegradable wheat gluten bionanocomposites containing lignin nanoparticles. <i>Industrial Crops and Products</i> , 2015, 74, 348-356.	5.2	174
130	Cure Kinetics of Epoxy/Rubber Polymer Blends. , 2015, , 1-27.		0
131	Processing of PLA nanocomposites with cellulose nanocrystals extracted from <i>Posidonia oceanica</i> waste: Innovative reuse of coastal plant. <i>Industrial Crops and Products</i> , 2015, 67, 439-447.	5.2	165
132	Keratins extracted from Merino wool and Brown Alpaca fibres: Thermal, mechanical and biological properties of PLLA based biocomposites. <i>Materials Science and Engineering C</i> , 2015, 47, 394-406.	7.3	42
133	Effect of different lignocellulosic fibres on poly(μ -caprolactone)-based composites for potential applications in orthotics. <i>RSC Advances</i> , 2015, 5, 23798-23809.	3.6	31
134	Effect of processing conditions and lignin content on thermal, mechanical and degradative behavior of lignin nanoparticles/poly(lactic (acid) bionanocomposites prepared by melt extrusion and solvent casting. <i>European Polymer Journal</i> , 2015, 71, 126-139.	5.4	150
135	Tensile and fatigue characterisation of textile cotton waste/polypropylene laminates. <i>Composites Part B: Engineering</i> , 2015, 81, 84-90.	12.0	37
136	Volume shrinkage and rheological studies of epoxidised and unepoxidised poly(styrene-block-butadiene-block-styrene) triblock copolymer modified epoxy resinâ€“diamino diphenyl methane nanostructured blend systems. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 12760-12770.	2.8	28
137	Liquid-rubber-modified epoxy/clay nanocomposites: effect of dispersion methods on morphology and ultimate properties. <i>Polymer Bulletin</i> , 2015, 72, 1703-1722.	3.3	26
138	Melt free radical grafting of glycidyl methacrylate (GMA) onto fully biodegradable poly(lactic) acid films: effect of cellulose nanocrystals and a masterbatch process. <i>RSC Advances</i> , 2015, 5, 32350-32357.	3.6	69
139	Study of disintegrability in compost and enzymatic degradation of PLA and PLA nanocomposites reinforced with cellulose nanocrystals extracted from <i>Posidonia Oceanica</i> . <i>Polymer Degradation and Stability</i> , 2015, 121, 105-115.	5.8	95
140	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. <i>Industrial Crops and Products</i> , 2015, 77, 833-844.	5.2	84
141	Preparation of Alginate/Graphene Oxide Hybrid Films and Their Integration in Triboelectric Generators. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 1192-1197.	2.0	25
142	Mechanical and thermal properties of epoxy/silicon carbide nanofiber composites. <i>Polymers for Advanced Technologies</i> , 2015, 26, 142-146.	3.2	21
143	Impact and post-impact damage characterisation of hybrid composite laminates based on basalt fibres in combination with flax, hemp and glass fibres manufactured by vacuum infusion. <i>Composites Part B: Engineering</i> , 2015, 69, 507-515.	12.0	135
144	Revalorisation of <i>Posidonia Oceanica</i> as Reinforcement in Polyethylene/Maleic Anhydride Grafted Polyethylene Composites. <i>Journal of Renewable Materials</i> , 2014, 2, 66-76.	2.2	27

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145	Optimized extraction of cellulose nanocrystals from pristine and carded hemp fibres. <i>Industrial Crops and Products</i> , 2014, 56, 175-186.	5.2	90
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