

# Luigi Torre

## List of Publications by Year in Descending Order

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**Version:** 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

227 papers	7,698 citations	49 h-index	77 g-index
236 ext. papers	9,042 ext. citations	5.2 avg, IF	6.27 L-index

#	Paper	IF	Citations
227	Polymeric composites and nanocomposites containing lignin <b>2022</b> , 293-324		0
226	Lemna minor aqueous extract as a natural ingredient incorporated in poly (vinyl alcohol)-based films for active food packaging systems. <i>Food Packaging and Shelf Life</i> , <b>2022</b> , 32, 100822	8.2	1
225	Thermal degradation of phenolics and their carbon fiber derived composites: A feasible protocol to assess the heat capacity as a function of temperature through the use of common DSC and TGA analysis. <i>Polymer Degradation and Stability</i> , <b>2021</b> , 195, 109793	4.7	1
224	The Opportunity of Valorizing Agricultural Waste, Through Its Conversion into Biostimulants, Biofertilizers, and Biopolymers. <i>Sustainability</i> , <b>2021</b> , 13, 2710	3.6	16
223	Hydroxytyrosol and Oleuropein-Enriched Extracts Obtained from Olive Oil Wastes and By-Products as Active Antioxidant Ingredients for Poly (Vinyl Alcohol)-Based Films. <i>Molecules</i> , <b>2021</b> , 26,	4.8	8
222	Anthocyanin Hybrid Nanopigments from Pomegranate Waste: Colour, Thermomechanical Stability and Environmental Impact of Polyester-Based Bionanocomposites. <i>Polymers</i> , <b>2021</b> , 13,	4.5	4
221	Development and Characterization of Concrete/PCM/Diatomite Composites for Thermal Energy Storage in CSP/CST Applications. <i>Energies</i> , <b>2021</b> , 14, 4410	3.1	3
220	Effect of Filler Morphology on the Electrical and Thermal Conductivity of PP/Carbon-Based Nanocomposites. <i>Journal of Composites Science</i> , <b>2021</b> , 5, 196	3	2
219	Development of Compatibilized Polyamide 1010/Coconut Fibers Composites by Reactive Extrusion with Modified Linseed Oil and Multi-functional Petroleum Derived Compatibilizers. <i>Fibers and Polymers</i> , <b>2021</b> , 22, 728-744	2	5
218	Migration and Degradation in Composting Environment of Active Polylactic Acid Bilayer Nanocomposites Films: Combined Role of Umbelliferone, Lignin and Cellulose Nanostructures. <i>Polymers</i> , <b>2021</b> , 13,	4.5	2
217	Lignin-based materials with antioxidant and antimicrobial properties <b>2021</b> , 291-326		0
216	Dielectric Spectroscopy of PP/MWCNT Nanocomposites: Relationship with Crystalline Structure and Injection Molding Condition. <i>Nanomaterials</i> , <b>2021</b> , 11,	5.4	6
215	Effect of Hard Plastic Waste on the Quality of Recycled Polypropylene Blends. <i>Recycling</i> , <b>2021</b> , 6, 58	3.2	3
214	Effect of Chlorophyll Hybrid Nanopigments from Broccoli Waste on Thermomechanical and Colour Behaviour of Polyester-Based Bionanocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	4
213	Valorization of Cotton Industry Byproducts in Green Composites with Polylactide. <i>Journal of Polymers and the Environment</i> , <b>2020</b> , 28, 2039-2053	4.5	7
212	Effect of SWCNT Content and Water Vapor Adsorption on the Electrical Properties of Cellulose Nanocrystal-Based Nanohybrids. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 14901-14910	3.8	5
211	Improving the flexibility and compostability of starch/poly(butylene cyclohexanedicarboxylate)-based blends. <i>Carbohydrate Polymers</i> , <b>2020</b> , 246, 116631	10.3	2

210	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> , <b>2020</b> , 12,	4.5	9
209	Characterization of Licorice Root Waste for Prospective Use as Filler in more Eco-Friendly Composite Materials. <i>Processes</i> , <b>2020</b> , 8, 733	2.9	5
208	Straw fibres from barley hybrid lines and their reinforcement effect in polypropylene based composites. <i>Industrial Crops and Products</i> , <b>2020</b> , 154, 112736	5.9	9
207	PBS-Based Green Copolymer as an Efficient Compatibilizer in Thermoplastic Inedible Wheat Flour/Poly(butylene succinate) Blends. <i>Biomacromolecules</i> , <b>2020</b> , 21, 3254-3269	6.9	12
206	Improved Toughness in Lignin/Natural Fiber Composites Plasticized with Epoxidized and Maleinized Linseed Oils. <i>Materials</i> , <b>2020</b> , 13,	3.5	6
205	Thermomechanical and Morphological Properties of Poly(ethylene terephthalate)/Anhydrous Calcium Terephthalate Nanocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	6
204	A comparative study on the reactive compatibilization of melt-processed polyamide 1010/polylactide blends by multi-functionalized additives derived from linseed oil and petroleum. <i>EXPRESS Polymer Letters</i> , <b>2020</b> , 14, 583-604	3.4	3
203	UV Protective, Antioxidant, Antibacterial and Compostable Polylactic Acid Composites Containing Pristine and Chemically Modified Lignin Nanoparticles. <i>Molecules</i> , <b>2020</b> , 26,	4.8	15
202	Effect of Pretreatment of Nanocomposite PES-Fe <sub>3</sub> O <sub>4</sub> Separator on Microbial Fuel Cells Performance. <i>Polymer Engineering and Science</i> , <b>2020</b> , 60, 371-379	2.3	5
201	Biocomposites Based on Plasticized Wheat Flours: Effect of Bran Content on Thermomechanical Behavior. <i>Polymers</i> , <b>2020</b> , 12,	4.5	2
200	Synergic Effect of Nanolignin and Metal Oxide Nanoparticles into Poly(l-lactide) Bionanocomposites: Material Properties, Antioxidant Activity, and Antibacterial Performance.. <i>ACS Applied Bio Materials</i> , <b>2020</b> , 3, 5263-5274	4.1	27
199	Novel Nanocomposite PLA Films with Lignin/Zinc Oxide Hybrids: Design, Characterization, Interaction with Mesenchymal Stem Cells. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	7
198	Design, Realization, and Characterization of Advanced Adhesives for Joining Ultra-Stable C/C Based Components. <i>Macromolecular Materials and Engineering</i> , <b>2020</b> , 305, 2000229	3.9	2
197	Antioxidant Packaging Films Based on Ethylene Vinyl Alcohol Copolymer (EVOH) and Caffeic Acid. <i>Molecules</i> , <b>2020</b> , 25,	4.8	10
196	Effect of Injection Molding Conditions on Crystalline Structure and Electrical Resistivity of PP/MWCNT Nanocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	7
195	Unpatterned Bioactive Poly(Butylene 1,4-Cyclohexanedicarboxylate)-Based Film Fast Induced Neuronal-Like Differentiation of Human Bone Marrow-Mesenchymal Stem Cells. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	4
194	Effect of Almond Shell Waste on Physicochemical Properties of Polyester-Based Biocomposites. <i>Polymers</i> , <b>2020</b> , 12,	4.5	12
193	Bio-Polyethylene-Based Composites Reinforced with Alkali and Palmitoyl Chloride-Treated Coffee Silverskin. <i>Molecules</i> , <b>2019</b> , 24,	4.8	19

192	Multifunctional ternary composite films based on PLA and Ag/alginate microbeads: Physical characterization and silver release kinetics. <i>Materials Science and Engineering C</i> , <b>2019</b> , 98, 1159-1168	8.3	12
191	Extraction of nanostructured starch from purified granules of waxy and non-waxy barley cultivars. <i>Industrial Crops and Products</i> , <b>2019</b> , 130, 520-527	5.9	7
190	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> , <b>2019</b> , 127, 665-676	7.9	55
189	Lignocellulosic materials as reinforcements in sustainable packaging systems <b>2019</b> , 87-102		5
188	Delamination Detection in Polymeric Ablative Materials Using Pulse-Compression Thermography and Air-Coupled Ultrasound. <i>Sensors</i> , <b>2019</b> , 19,	3.8	12
187	Active Role of ZnO Nanorods in Thermomechanical and Barrier Performance of Poly(vinyl alcohol-ethylene) Formulations for Flexible Packaging. <i>Polymers</i> , <b>2019</b> , 11,	4.5	7
186	Durability and weatherability of a styrene-ethylene-butylene-styrene (SEBS) block copolymer-based sensing skin for civil infrastructure applications. <i>Sensors and Actuators A: Physical</i> , <b>2019</b> , 293, 269-280	3.9	6
185	Thermal and mechanical behavior of thermoplastic composites reinforced with fibers enzymatically extracted from <i>Ampelodesmos mauritanicus</i> . <i>Polymer Engineering and Science</i> , <b>2019</b> , 59, 2418-2428	2.3	5
184	Design and Characterization of PLA Bilayer Films Containing Lignin and Cellulose Nanostructures in Combination With Umbelliferone as Active Ingredient. <i>Frontiers in Chemistry</i> , <b>2019</b> , 7, 157	5	28
183	Maleinized Linseed Oil as Epoxy Resin Hardener for Composites with High Bio Content Obtained from Linen Byproducts. <i>Polymers</i> , <b>2019</b> , 11,	4.5	24
182	Bio- and Fossil-Based Polymeric Blends and Nanocomposites for Packaging: Structure?Property Relationship. <i>Materials</i> , <b>2019</b> , 12,	3.5	67
181	Novel Nanoscaled Materials from Lignocellulosic Sources: Potential Applications in the Agricultural Sector <b>2019</b> , 2657-2679		3
180	Combined effect of cellulose nanocrystals, carvacrol and oligomeric lactic acid in PLA-PHB polymeric films. <i>Carbohydrate Polymers</i> , <b>2019</b> , 223, 115131	10.3	21
179	A Novel Class of Cost Effective and High Performance Composites Based on Terephthalate Salts Reinforced Polyether Ether Ketone. <i>Polymers</i> , <b>2019</b> , 11,	4.5	5
178	Gallic Acid and Quercetin as Intelligent and Active Ingredients in Poly(vinyl alcohol) Films for Food Packaging. <i>Polymers</i> , <b>2019</b> , 11,	4.5	32
177	Biological, thermal and mechanical characterization of modified glass ionomer cements: The role of nanohydroxyapatite, ciprofloxacin and zinc l-carnosine. <i>Materials Science and Engineering C</i> , <b>2019</b> , 94, 76-85	8.3	22
176	Street trees management perspectives: Reuse of <i>Tilia</i> sp. pruning waste for insulation purposes. <i>Urban Forestry and Urban Greening</i> , <b>2019</b> , 38, 177-182	5.4	7
175	Valorization and extraction of cellulose nanocrystals from North African grass: <i>Ampelodesmos mauritanicus</i> (Diss). <i>Carbohydrate Polymers</i> , <b>2019</b> , 209, 328-337	10.3	45

174	An Introduction to Ablative Materials and High-Temperature Testing Protocols <b>2019</b> , 529-549		1
173	Preparation and properties of adhesives based on phenolic resin containing lignin micro and nanoparticles: A comparative study. <i>Materials and Design</i> , <b>2019</b> , 161, 55-63	8.1	44
172	Effect of nanohydroxyapatite, antibiotic, and mucosal defensive agent on the mechanical and thermal properties of glass ionomer cements for special needs patients. <i>Journal of Materials Research</i> , <b>2018</b> , 33, 638-649	2.5	17
171	Enhanced fracture toughness of nanostructured carbon-fiber reinforced poly(urethane-isocyanurate) composites at low concentrations. <i>Polymer Engineering and Science</i> , <b>2018</b> , 58, 1241-1250	2.3	1
170	Thermally-activated shape memory effect on biodegradable nanocomposites based on PLA/PCL blend reinforced with hydroxyapatite. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 151, 36-51	4.7	45
169	Recycling coffee silverskin in sustainable composites based on a poly(butylene adipate-co-terephthalate)/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) matrix. <i>Industrial Crops and Products</i> , <b>2018</b> , 118, 311-320	5.9	34
168	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> , <b>2018</b> , 152, 162-176	4.7	21
167	Effect of the addition of polyester-grafted-cellulose nanocrystals on the shape memory properties of biodegradable PLA/PCL nanocomposites. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 152, 126-138	4.7	53
166	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> , <b>2018</b> , 107, 61-69	8.4	57
165	Valorization of Acid Isolated High Yield Lignin Nanoparticles as Innovative Antioxidant/Antimicrobial Organic Materials. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 3502-3514	8.3	125
164	Effect of nano-magnetite particle content on mechanical, thermal and magnetic properties of polypropylene composites. <i>Polymer Composites</i> , <b>2018</b> , 39, E1742-E1750	3	8
163	Synthesis, characterization and performance evaluation of Fe <sub>3</sub> O <sub>4</sub> /PES nano composite membranes for microbial fuel cell. <i>European Polymer Journal</i> , <b>2018</b> , 99, 222-229	5.2	43
162	Boron based fillers as char enhancers of EPDM based heat shielding materials for SRMs: A comparative analysis. <i>Composite Structures</i> , <b>2018</b> , 198, 73-83	5.3	17
161	Hyperbranched poly(ethyleneimine) physically attached to silica nanoparticles to facilitate curing of epoxy nanocomposite coatings. <i>Progress in Organic Coatings</i> , <b>2018</b> , 120, 100-109	4.8	63
160	Nanostructured starch combined with hydroxytyrosol in poly(vinyl alcohol) based ternary films as active packaging system. <i>Carbohydrate Polymers</i> , <b>2018</b> , 193, 239-248	10.3	46
159	Metal Nanoparticles Embedded in Cellulose Nanocrystal Based Films: Material Properties and Post-use Analysis. <i>Biomacromolecules</i> , <b>2018</b> , 19, 2618-2628	6.9	44
158	Polyvinyl alcohol/chitosan hydrogels with enhanced antioxidant and antibacterial properties induced by lignin nanoparticles. <i>Carbohydrate Polymers</i> , <b>2018</b> , 181, 275-284	10.3	156
157	Study of paperboard material layered with plasticized polyhydroxybutyrate/nanocellulose coatings for packaging application <b>2018</b> ,		1

156	Nanocomposites Based on Biodegradable Polymers. <i>Materials</i> , <b>2018</b> , 11,	3.5	60
155	An Experimental Study on Static and Dynamic Strain Sensitivity of Embeddable Smart Concrete Sensors Doped with Carbon Nanotubes for SHM of Large Structures. <i>Sensors</i> , <b>2018</b> , 18,	3.8	40
154	Citric Acid as Green Modifier for Tuned Hydrophilicity of Surface Modified Cellulose and Lignin Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2018</b> , 6, 9966-9978	8.3	50
153	Influence of gallic acid and umbelliferone on structural and functional properties of poly(vinyl alcohol-co-ethylene) films for food packaging <b>2018</b> ,		1
152	Bio-Based Nanocomposites in Food Packaging <b>2018</b> , 71-110		10
151	Lignocellulosic Based Bionanocomposites for Different Industrial Applications. <i>Current Organic Chemistry</i> , <b>2018</b> , 22, 1205-1221	1.7	8
150	Synthesis and Characterization of Nanofluids Useful in Concentrated Solar Power Plants Produced by New Mixing Methodologies for Large-Scale Production. <i>Journal of Heat Transfer</i> , <b>2018</b> , 140,	1.8	4
149	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> , <b>2018</b> , 26, 1891-1902	4.5	7
148	Effect of Different Compatibilizers on Sustainable Composites Based on a PHBV/PBAT Matrix Filled with Coffee Silverskin. <i>Polymers</i> , <b>2018</b> , 10,	4.5	18
147	Manufacturing and compatibilization of PLA/PBAT binary blends by cottonseed oil-based derivatives. <i>EXPRESS Polymer Letters</i> , <b>2018</b> , 12, 808-823	3.4	47
146	Processing, thermo-mechanical characterization and gas permeability of thermoplastic starch/poly(butylene trans-1,4-cyclohexanedicarboxylate) blends. <i>Polymer Degradation and Stability</i> , <b>2018</b> , 157, 100-107	4.7	7
145	Recent Advances in Nanocomposites Based on Aliphatic Polyesters: Design, Synthesis, and Applications in Regenerative Medicine. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1452	2.6	12
144	Thermal and ablation properties of EPDM based heat shielding materials modified with density reducer fillers. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2018</b> , 112, 71-80	8.4	28
143	Experimental validation of a high-temperature solar box cooker with a solar-salt-based thermal storage unit. <i>Solar Energy</i> , <b>2018</b> , 170, 1016-1025	6.8	25
142	Thermoset Nanocomposites as ablative materials for rocket and military applications <b>2018</b> , 477-509		2
141	Effect of boron carbide nanoparticles on the thermal stability of carbon/phenolic composites. <i>Polymer Composites</i> , <b>2017</b> , 38, 1819-1827	3	13
140	Biodegradable polycaprolactone-based composites reinforced with ramie and borassus fibres. <i>Composite Structures</i> , <b>2017</b> , 167, 20-29	5.3	31
139	Optimization of the pulse-compression technique applied to the infrared thermography nondestructive evaluation. <i>NDT and E International</i> , <b>2017</b> , 87, 100-110	4.1	49



138	Reinforcement effect of cellulose nanocrystals in thermoplastic polyurethane matrices characterized by different soft/hard segment ratio. <i>Polymer Engineering and Science</i> , <b>2017</b> , 57, 521-530	2.3	13
137	Processing and characterization of nanocomposite based on poly(butylene/triethylene succinate) copolymers and cellulose nanocrystals. <i>Carbohydrate Polymers</i> , <b>2017</b> , 165, 51-60	10.3	25
136	Relationships between wheat flour baking properties and tensile characteristics of derived thermoplastic films. <i>Industrial Crops and Products</i> , <b>2017</b> , 100, 138-145	5.9	7
135	PLA films with improved flexibility properties by using maleinized cottonseed oil. <i>European Polymer Journal</i> , <b>2017</b> , 91, 248-259	5.2	48
134	Heat capacity of nanofluids for solar energy storage produced by dispersing oxide nanoparticles in nitrate salt mixture directly at high temperature. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 167, 60-69	6.4	78
133	PLA Nanocomposites Reinforced with Cellulose Nanocrystals from <i>Posidonia oceanica</i> and ZnO Nanoparticles for Packaging Application. <i>Journal of Renewable Materials</i> , <b>2017</b> , 5, 103-115	2.4	22
132	Nanostructured phenolic matrices: Effect of different nanofillers on the thermal degradation properties and reaction to fire of a resol. <i>Fire and Materials</i> , <b>2017</b> , 41, 817-825	1.8	5
131	Nanofluids with Enhanced Heat Transfer Properties for Thermal Energy Storage <b>2017</b> , 295-359		2
130	Microstructure and ablation behavior of an affordable and reliable nanostructured Phenolic Impregnated Carbon Ablator (PICA). <i>Polymer Degradation and Stability</i> , <b>2017</b> , 141, 84-96	4.7	26
129	Nanomaterials in Plant Protection <b>2017</b> , 113-134		10
128	Effect of liquid resol on the mechanical and thermal properties of EPDM/Kynol elastomeric heat shielding materials. <i>Polymer Engineering and Science</i> , <b>2017</b> , 57, 513-520	2.3	9
127	Effect of fibre posts, bone losses and fibre content on the biomechanical behaviour of endodontically treated teeth: 3D-finite element analysis. <i>Materials Science and Engineering C</i> , <b>2017</b> , 74, 334-346	8.3	25
126	Multifunctional nanostructured biopolymeric materials for therapeutic applications <b>2017</b> , 107-135		1
125	Hydroxytyrosol as Active Ingredient in Poly(vinyl alcohol) Films for Food Packaging Applications. <i>Journal of Renewable Materials</i> , <b>2017</b> , 5, 81-95	2.4	14
124	PLA nanocomposites from <i>Posidonia oceanica</i> waste <b>2017</b> , 347-363		
123	Recent Advances in Conductive Composites Based on Biodegradable Polymers for Regenerative Medicine Applications <b>2017</b> , 519-542		
122	Melt processing and mechanical property characterization of high-performance poly(ether ether ketone)/Carbon nanotube composite. <i>Polymer International</i> , <b>2017</b> , 66, 1731-1736	3.3	19
121	Design of a nanocomposite substrate inducing adult stem cell assembly and progression toward an Epiblast-like or Primitive Endoderm-like phenotype via mechanotransduction. <i>Biomaterials</i> , <b>2017</b> , 144, 211-229	15.6	18

120	Cellulose nanocrystals from Actinidia deliciosa pruning residues combined with carvacrol in PVA_CH films with antioxidant/antimicrobial properties for packaging applications. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 43-55	7.9	59
119	PCM for improving polyurethane-based cool roof membranes durability. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 160, 34-42	6.4	38
118	Simple citric acid-catalyzed surface esterification of cellulose nanocrystals. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 1358-1364	10.3	63
117	Filled Polymer Composites <b>2017</b> , 23-46		8
116	Novel Nanoscaled Materials from Lignocellulosic Sources: Potential Applications in the Agricultural Sector <b>2017</b> , 1-24		1
115	Morphology and electrical properties of injection-molded PP carbon-based nanocomposites <b>2017</b> ,		3
114	Processing Conditions, Thermal and Mechanical Responses of Stretchable Poly (Lactic Acid)/Poly (Butylene Succinate) Films. <i>Materials</i> , <b>2017</b> , 10,	3.5	35
113	Effect of Cellulose Nanocrystals and Bacterial Cellulose on Disintegrability in Composting Conditions of Plasticized PHB Nanocomposites. <i>Polymers</i> , <b>2017</b> , 9,	4.5	26
112	Effective Postharvest Preservation of Kiwifruit and Romaine Lettuce with a Chitosan Hydrochloride Coating. <i>Coatings</i> , <b>2017</b> , 7, 196	2.9	21
111	Relationship between morphology and electrical properties in PP/MWCNT composites: Processing-induced anisotropic percolation threshold. <i>Materials Chemistry and Physics</i> , <b>2016</b> , 180, 284-290	4.4	24
110	Revalorization of barley straw and husk as precursors for cellulose nanocrystals extraction and their effect on PVA_CH nanocomposites. <i>Industrial Crops and Products</i> , <b>2016</b> , 92, 201-217	5.9	64
109	Effect of poly(dl-lactide-co-glycolide) nanoparticles or cellulose nanocrystals-based formulations on <i>Pseudomonas syringae</i> pv. tomato (Pst) and tomato plant development. <i>Journal of Plant Diseases and Protection</i> , <b>2016</b> , 123, 301-310	1.5	22
108	In-vitro degradation of PLGA nanoparticles in aqueous medium and in stem cell cultures by monitoring the cargo fluorescence spectrum. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 134, 296-304	4.7	19
107	Effect of Wollastonite on the ablation resistance of EPDM based elastomeric heat shielding materials for solid rocket motors. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 130, 47-57	4.7	35
106	Revalorization of sunflower stalks as novel sources of cellulose nanofibrils and nanocrystals and their effect on wheat gluten bionanocomposite properties. <i>Carbohydrate Polymers</i> , <b>2016</b> , 149, 357-68	10.3	73
105	Recenti acquisizioni in tema di irrigazione canalare: analisi al microscopio elettronico a scansione. <i>Dental Cadmos</i> , <b>2016</b> , 84, 32-41	2.3	
104	PLLA-grafted cellulose nanocrystals: Role of the CNC content and grafting on the PLA bionanocomposite film properties. <i>Carbohydrate Polymers</i> , <b>2016</b> , 142, 105-13	10.3	128
103	Nanotech-Based Cool Materials for Building Energy Efficiency <b>2016</b> , 245-278		1



102	Production and characterization of PLA_PBS biodegradable blends reinforced with cellulose nanocrystals extracted from hemp fibres. <i>Industrial Crops and Products</i> , <b>2016</b> , 93, 276-289	5.9	146
101	Ablation modeling of state of the art EPDM based elastomeric heat shielding materials for solid rocket motors. <i>Computational Materials Science</i> , <b>2016</b> , 111, 460-480	3.2	29
100	Nanomaterials for Tissue Engineering In Dentistry. <i>Nanomaterials</i> , <b>2016</b> , 6,	5.4	62
99	Antimicrobial Properties and Cytocompatibility of PLGA/Ag Nanocomposites. <i>Materials</i> , <b>2016</b> , 9,	3.5	18
98	Extraction of Lignocellulosic Materials From Waste Products <b>2016</b> , 1-38		6
97	Effect of hydroxytyrosol methyl carbonate on the thermal, migration and antioxidant properties of PVA-based films for active food packaging. <i>Polymer International</i> , <b>2016</b> , 65, 872-882	3.3	20
96	Cellulose nanocrystals in nanocomposite approach: Green and high-performance materials for industrial, biomedical and agricultural applications <b>2016</b> ,		2
95	Recent Advances in Nanostructured Polymeric Surface: Challenges and Frontiers in Stem Cells <b>2016</b> , 143-165		
94	Modulation of Acid Hydrolysis Reaction Time for the Extraction of Cellulose Nanocrystals from Posidonia oceanica Leaves. <i>Journal of Renewable Materials</i> , <b>2016</b> , 4, 190-198	2.4	18
93	Cellulose nano-biocomposites from high oleic sunflower oil-derived thermosets. <i>European Polymer Journal</i> , <b>2016</b> , 79, 109-120	5.2	8
92	Design of biodegradable blends based on PLA and PCL: From morphological, thermal and mechanical studies to shape memory behavior. <i>Polymer Degradation and Stability</i> , <b>2016</b> , 132, 97-108	4.7	153
91	Lignocellulosic nanostructures as reinforcement in extruded and solvent casted polymeric nanocomposites: an overview. <i>European Polymer Journal</i> , <b>2016</b> , 80, 295-316	5.2	69
90	Science and technology of polymeric ablative materials for thermal protection systems and propulsion devices: A review. <i>Progress in Materials Science</i> , <b>2016</b> , 84, 192-275	42.2	159
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