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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.

77 papers	1,547 citations	21 h-index	36 g-index
82 ext. papers	1,904 ext. citations	3.7 avg, IF	4.77 L-index

#	Paper	IF	Citations
77	Biodegradable polymer blends based on corn starch and thermoplastic chitosan processed by extrusion. <i>Carbohydrate Polymers</i> , 2016 , 137, 452-458	10.3	195
76	Nano and submicrometric fibers of poly(D,L-lactide) obtained by solution blow spinning: Process and solution variables. <i>Journal of Applied Polymer Science</i> , 2011 , 122, 3396-3405	2.9	104
75	Structural and Morphological Characterization of Micro and Nanofibers Produced by Electrospinning and Solution Blow Spinning: A Comparative Study. <i>Advances in Materials Science and Engineering</i> , 2013 , 2013, 1-14	1.5	73
74	In vitro antimicrobial activity of solution blow spun poly(lactic acid)/polyvinylpyrrolidone nanofibers loaded with Copaiba (<i>Copaifera</i> sp.) oil. <i>Materials Science and Engineering C</i> , 2015 , 48, 372-7	8.3	70
73	Advances in Functional Polymer Nanofibers: From Spinning Fabrication Techniques to Recent Biomedical Applications. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 45673-45701	9.5	65
72	Nanostructured conjugated polymers in chemical sensors: synthesis, properties and applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 6509-27	1.3	56
71	Electrospinning of zein/tannin bio-nanofibers. <i>Industrial Crops and Products</i> , 2014 , 52, 298-304	5.9	51
70	Properties of poly(lactic acid) and poly(ethylene oxide) solvent polymer mixtures and nanofibers made by solution blow spinning. <i>Journal of Applied Polymer Science</i> , 2013 , 129, 3672-3681	2.9	49
69	Solution blow spinning: parameters optimization and effects on the properties of nanofibers from poly(lactic acid)/dimethyl carbonate solutions. <i>Journal of Materials Science</i> , 2016 , 51, 4627-4638	4.3	48
68	Development of poly(lactic acid) nanostructured membranes for the controlled delivery of progesterone to livestock animals. <i>Materials Science and Engineering C</i> , 2013 , 33, 844-9	8.3	46
67	Modification of electrospun nylon nanofibers using layer-by-layer films for application in flow injection electronic tongue: Detection of paraoxon pesticide in corn crop. <i>Sensors and Actuators B: Chemical</i> , 2012 , 171-172, 249-255	8.5	42
66	Production of submicrometric fibers of mullite by solution blow spinning (SBS). <i>Materials Letters</i> , 2015 , 149, 47-49	3.3	38
65	Controlled Release of Linalool Using Nanofibrous Membranes of Poly(lactic acid) Obtained by Electrospinning and Solution Blow Spinning: A Comparative Study. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 5628-36	1.3	32
64	Poly(lactic acid)/Carbon Nanotube Fibers as Novel Platforms for Glucose Biosensors. <i>Biosensors</i> , 2012 , 2, 70-82	5.9	28
63	Bio-inspired sensor for insect pheromone analysis based on polyaniline functionalized AFM cantilever sensor. <i>Sensors and Actuators B: Chemical</i> , 2014 , 191, 643-649	8.5	27
62	Nanostructured Polylactic Acid/Candeia Essential Oil Mats Obtained by Electrospinning. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-9	3.2	27
61	Fluorescent PMMA/MEH-PPV electrospun nanofibers: Investigation of morphology, solvent, and surfactant effect. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014 , 52, 1388-1394	2.6	27

60	Multi-walled carbon nanotubes and poly(lactic acid) nanocomposite fibrous membranes prepared by solution blow spinning. <i>Journal of Nanoscience and Nanotechnology</i> , 2012 , 12, 2733-41	1.3	27
59	Solution blow spun nanocomposites of poly(lactic acid)/cellulose nanocrystals from Eucalyptus kraft pulp. <i>Carbohydrate Polymers</i> , 2017 , 174, 923-932	10.3	26
58	Evaluation of hemagglutination activity of chitosan nanoparticles using human erythrocytes. <i>BioMed Research International</i> , 2015 , 2015, 247965	3	26
57	An electronic tongue based on conducting electrospun nanofibers for detecting tetracycline in milk samples. <i>RSC Advances</i> , 2016 , 6, 103740-103746	3.7	24
56	Extraction and characterization of cellulose nanowhiskers from Mandacaru (<i>Cereus jamacaru</i> DC.) spines. <i>Cellulose</i> , 2017 , 24, 119-129	5.5	21
55	Sensor Array for Water Analysis Based on Interdigitated Electrodes Modified With Fiber Films of Poly(Lactic Acid)/Multiwalled Carbon Nanotubes. <i>IEEE Sensors Journal</i> , 2013 , 13, 759-766	4	21
54	Bio-based thin films of cellulose nanofibrils and magnetite for potential application in green electronics. <i>Carbohydrate Polymers</i> , 2019 , 207, 100-107	10.3	21
53	Solution blow spinning fibres: New immunologically inert substrates for the analysis of cell adhesion and motility. <i>Acta Biomaterialia</i> , 2017 , 51, 161-174	10.8	20
52	Poly(lactic acid) fibers obtained by solution blow spinning: Effect of a greener solvent on the fiber diameter. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	20
51	Poly(lactic acid)/poly(vinyl pyrrolidone) membranes produced by solution blow spinning: Structure, thermal, spectroscopic, and microbial barrier properties. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	18
50	Chemical composition and antibacterial activity of <i>Eugenia brejoensis</i> essential oil nanoemulsions against <i>Pseudomonas fluorescens</i> . <i>LWT - Food Science and Technology</i> , 2018 , 93, 659-664	5.4	18
49	Eletrofia ^o de Pol ^í meros em Solu ^ç o ^{es} : parte I: Fundamenta ^ç o ^{es} Te ^ó rica. <i>Polimeros</i> , 2012 , 22, 170-177	1.6	18
48	Effect of carboxymethyl cellulose concentration on mechanical and water vapor barrier properties of corn starch films. <i>Carbohydrate Polymers</i> , 2020 , 246, 116521	10.3	17
47	Rheological and thermo-mechanical evaluation of bio-based chitosan/pectin blends with tunable ionic cross-linking. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1817-1823	7.9	16
46	Soil Biodegradation of PLA/CNW Nanocomposites Modified with Ethylene Oxide Derivatives. <i>Materials Research</i> , 2017 , 20, 899-904	1.5	15
45	Development of bionanocomposites of pectin and nanoemulsions of carnauba wax and neem oil pectin/carnauba wax/neem oil composites. <i>Polymer Composites</i> , 2020 , 41, 858-870	3	14
44	Antimicrobial coatings based on poly(dimethyl siloxane) and silver nanoparticles by solution blow spraying. <i>Progress in Organic Coatings</i> , 2019 , 133, 19-26	4.8	13
43	Characterization of cassava starch/soy protein isolate blends obtained by extrusion and thermocompression. <i>Industrial Crops and Products</i> , 2021 , 160, 113092	5.9	13

42	Antimicrobial activity of PLA/PEG nanofibers containing terpinen-4-ol against <i>Aggregatibacter actinomycetemcomitans</i> . <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45782	2.9	13
41	Physical-Mechanical and Antifungal Properties of Pectin Nanocomposites / Neem Oil Nanoemulsion for Seed Coating. <i>Food Biophysics</i> , 2019 , 14, 456-466	3.2	12
40	Impact of different silkworm dietary supplements on its silk performance. <i>Journal of Materials Science</i> , 2014 , 49, 6302-6310	4.3	11
39	Halochromic Polystyrene Nanofibers Obtained by Solution Blow Spinning for Wine pH Sensing. <i>Sensors</i> , 2020 , 20,	3.8	10
38	Development, physical-chemical properties, and photodegradation of pectin film reinforced with malt bagasse fibers by continuous casting. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 49178	2.9	10
37	Influence of Vitamin C on Morphological and Thermal Behaviour of Biomedical UHMWPE. <i>Macromolecular Symposia</i> , 2014 , 344, 8-13	0.8	10
36	Modification of eucalyptus pulp fiber using silane coupling agents with aliphatic side chains of different length. <i>Polymer Engineering and Science</i> , 2015 , 55, 1273-1280	2.3	10
35	Chemical sensors based on hybrid nanomaterials for food analysis 2017 , 205-244		9
34	Eletrofia ^o de pol ^o meros em solu ^o : parte II: aplica ^o es e perspectivas. <i>Polimeros</i> , 2012 , 22, 178-185.6		9
33	Silver nanoparticles in the micropropagation of <i>Campomanesia rufa</i> (O. Berg) Nied. <i>Plant Cell, Tissue and Organ Culture</i> , 2019 , 137, 359-368	2.7	9
32	Effect of reinforcement percentage of eucalyptus fibers on physico-mechanical properties of composite hand lay-up with polyester thermosetting matrix. <i>Journal of Natural Fibers</i> , 2019 , 16, 806-816 ^{1.8}		9
31	Obten ^o de micro e nanofibras de PVC pela t ^o cnica de Fia ^o por Sopro em Solu ^o . <i>Polimeros</i> , 2015 , 25, 229-235	1.6	8
30	A Study of the Precursors and Photoactivity of Nanostructures of Ti Oxides Synthesized by the Alkaline Hydrothermal Method. <i>Science of Advanced Materials</i> , 2013 , 5, 71-85	2.3	8
29	Influence of morphology and dispersion stability of CNC modified with ethylene oxide derivatives on mechanical properties of PLA-based nanocomposites. <i>Polymer Composites</i> , 2019 , 40, E399	3	8
28	Effectiveness of Core-Shell Nanofibers Incorporating Amphotericin B by Solution Blow Spinning Against and Species. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 571821	5.8	7
27	Effect of Solvent on the Physical and Morphological Properties of Poly(Lactic Acid) Nanofibers Obtained by Solution Blow Spinning. <i>Journal of Engineered Fibers and Fabrics</i> , 2014 , 9, 155892501400900 ^{0.9}		7
26	Polystyrene bioactive nanofibers using orange oil as an ecofriendly solvent. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47337	2.9	7
25	Development of an Electronic Tongue Based on a Nanocomposite for Discriminating Flavor Enhancers and Commercial Salts. <i>IEEE Sensors Journal</i> , 2021 , 21, 1250-1256	4	7

24	Production and efficacy of neem nanoemulsion in the control of <i>Aspergillus flavus</i> and <i>Penicillium citrinum</i> in soybean seeds. <i>European Journal of Plant Pathology</i> , 2019 , 155, 1105-1116	2.1	5
23	In vitro growth of L. affected by silver nanoparticles. <i>3 Biotech</i> , 2019 , 9, 145	2.8	5
22	Accelerated Sonochemical Extraction of Cellulose Nanowhiskers. <i>Journal of Nanoscience and Nanotechnology</i> , 2016 , 16, 6535-9	1.3	5
21	Zinc slow-release systems for maize using biodegradable PBAT nanofibers obtained by solution blow spinning. <i>Journal of Materials Science</i> , 2021 , 56, 4896-4908	4.3	5
20	Enhanced silk performance by enriching the silkworm diet with bordeaux mixture. <i>Journal of Materials Science</i> , 2017 , 52, 2684-2693	4.3	4
19	2,4-Dichlorophenoxyacetic acid adsorption on montmorillonite organoclay for controlled release applications. <i>SN Applied Sciences</i> , 2019 , 1, 1	1.8	4
18	Production and Stability of Carnauba Wax Nanoemulsion. <i>Advanced Science, Engineering and Medicine</i> , 2017 , 9, 977-985	0.6	4
17	CELLULOSE NANOFIBRILS MODIFICATION WITH POLYANILINE AIMING AT ENHANCING ELECTRICAL PROPERTIES FOR APPLICATION IN FLEXIBLE ELECTRONICS. <i>Cellulose Chemistry and Technology</i> , 2019 , 53, 775-786	1.9	4
16	Sulfonated Kraft lignin addition in urea-formaldehyde resin. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019 , 137, 1537-1547	4.1	4
15	Controlled release and antiviral activity of acyclovir-loaded PLA/PEG nanofibers produced by solution blow spinning 2022 , 212785		3
14	Biodegradable Polymer Nanofibers Applied in Slow Release Systems for Agri-Food Applications 2019 , 291-316		2
13	QCM and FT-IR Study of Phospholipid Bilayers Obtained by Langmuir-Blodgett Method. <i>Solid State Phenomena</i> , 2007 , 121-123, 863-866	0.4	2
12	Development of quaternary nanocomposites made up of cassava starch, cocoa butter, lemongrass essential oil nanoemulsion, and brewery spent grain fibers. <i>Journal of Food Science</i> , 2021 , 86, 1979-1996	3.4	2
11	Biossensor amperométrico para determinação de peróxido de hidrogênio em leite. <i>Ecletica Química</i> , 2011 , 36, 143-157	2.6	1
10	Development and characterization of starch-based films added oryza-sativa mucilage and study of biodegradation and photodegradation. <i>Journal of Applied Polymer Science</i> , 2018 , 141, 52108	2.9	1
9	Development of controlled release fertilizer systems for KCl using glycerol-based polymers. <i>Journal of Applied Polymer Science</i> , 2017 , 141, 51747	2.9	1
8	Environmentally friendly adhesives derived from glycerol-based polymers. <i>Journal of Adhesion Science and Technology</i> , 2017 , 31, 1-11	2	1
7	A Principal Curves-Based Method for Electronic Tongue Data Analysis. <i>IEEE Sensors Journal</i> , 2021 , 21, 4957-4965	4	1

6	Development and characterization of a poly (vinyl alcohol) and sodium alginate blend foam for wound dressing loaded with propolis and all-trans retinoic acid. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50480	2.9	1
5	Fruit ripeness sensors based on poly(lactic acid)/polyaniline solution blow-spun fibrous membranes. <i>Journal of Applied Polymer Science</i> , 52386	2.9	1
4	Development of zein nanofibers for the controlled delivery of essential amino acids for fish nutrition. <i>SN Applied Sciences</i> , 2020 , 2, 1	1.8	0
3	Potential use of poly(lactic acid) nanofibers mats as Nano-sachets in postharvest of climacteric fruits and vegetables. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50735	2.9	0
2	Biochar-graphene oxide composite is efficient to adsorb and deliver copper and zinc in tropical soil. <i>Journal of Cleaner Production</i> , 2022 , 132170	10.3	0
1	The effect of clay organophilization on wood plastic composite (WPC) based on recycled high density polyethylene (HDPE) and coir fiber. <i>Progress in Rubber, Plastics and Recycling Technology</i> , 147776062110194	1.7	0