

Vera Alejandra Alvarez

List of Publications by Year in Descending Order

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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.

163
papers

5,066
citations

37
h-index

64
g-index

166
ext. papers

5,712
ext. citations

4.2
avg, IF

6.26
L-index

#	Paper	IF	Citations
163	Consumer Nanoproducts Based on Polymer Nanocomposites for Food Packaging 2022 , 1277-1299		
162	FIGHTING AGAINST PLANT SALINE STRESS: DEVELOPMENT OF A NOVEL BIOACTIVE COMPOSITE BASED ON BENTONITE AND L-PROLINE. <i>Clays and Clay Minerals</i> , 2021 , 69, 232-242	2.1	3
161	Removal efficiency of As(III) from aqueous solutions using natural and Fe(III) modified bentonites. <i>Environmental Technology (United Kingdom)</i> , 2021 , 1-14	2.6	2
160	Improved creep performance of melt-extruded polycaprolactone/organo-bentonite nanocomposites. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50961	2.9	3
159	Current and emerging biodegradable mulch films based on polysaccharide bio-composites. A review. <i>Agronomy for Sustainable Development</i> , 2021 , 41, 1	6.8	5
158	Tillandsia Aeranthos flower-like magnetic nanostructures confined into polyvinyl alcohol beads. <i>Journal of Applied Polymer Science</i> , 2021 , 138, 50261	2.9	0
157	Enhancing the integration of bentonite clay with polycaprolactone by intercalation with a cationic surfactant: effects on clay orientation and composite tensile properties. <i>Journal of Materials Science</i> , 2021 , 56, 5595-5608	4.3	2
156	Advanced applications of green materials in agriculture 2021 , 193-222		1
155	Different Fillers in PVA Composite Hydrogels: Their Influence on the Final Properties 2021 , 27-37		1
154	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture 2021 , 433-453		0
153	Consumer Nanoproducts Based on Polymer Nanocomposites for Food Packaging 2021 , 1-23		
152	Recent Advances in Thermoplastic Starch Biodegradable Nanocomposites 2021 , 3465-3487		
151	Following mass transport through barrier membranes with confocal Raman microscopy. <i>Journal of Raman Spectroscopy</i> , 2021 , 52, 1022-1031	2.3	
150	Development and optimization of a new tioconazole vaginal mucoadhesive film using an experimental design strategy. Physicochemical and biological characterization. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 205, 114303	3.5	3
149	Thermal degradation of poly (Ecaprolactone) nanocomposites with soy lecithin-modified bentonite fillers. <i>Thermochimica Acta</i> , 2020 , 689, 178638	2.9	5
148	Low cost and regenerable composites based on chitin/bentonite for the adsorption potential emerging pollutants. <i>Applied Clay Science</i> , 2020 , 194, 105703	5.2	22
147	Characterization of functionalized bentonite as nanocarrier of salicylic acid with protective action against <i>Pseudomonas syringae</i> in tomato plants. <i>European Journal of Plant Pathology</i> , 2020 , 158, 211-222 ^{2.1}		2

146	Physically-crosslinked polyvinyl alcohol composite hydrogels containing clays, carbonaceous materials and magnetic nanoparticles as fillers. <i>Journal of Environmental Chemical Engineering</i> , 2020 , 8, 103795	6.8	10
145	Amelioration of tomato plants cultivated in organic-matter impoverished soil by supplementation with <i>Undaria pinnatifida</i> . <i>Algal Research</i> , 2020 , 46, 101785	5	4
144	Recent Advances in Thermoplastic Starch Biodegradable Nanocomposites 2020 , 1-24		0
143	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture 2020 , 1-22		2
142	Chitosan-bacterial cellulose patch of ciprofloxacin for wound dressing: Preparation and characterization studies. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 1136-1145	7.9	48
141	Green Microcomposites from Renewable Resources: Effect of Seaweed (<i>Undaria pinnatifida</i>) as Filler on Corn Starch-Chitosan Film Properties. <i>Journal of Polymers and the Environment</i> , 2020 , 28, 500-516	4.5	9
140	Bentonite-composite polyvinyl alcohol/alginate hydrogel beads: Preparation, characterization and their use as arsenic removal devices. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2020 , 14, 100364	3.3	12
139	Advances in Magnetic Noble Metal/Iron-Based Oxide Hybrid Nanoparticles as Biomedical Devices. <i>Bioengineering</i> , 2019 , 6,	5.3	19
138	Chitosan microparticles improve tomato seedling biomass and modulate hormonal, redox and defense pathways. <i>Plant Physiology and Biochemistry</i> , 2019 , 143, 203-211	5.4	16
137	Enhanced Properties of Chitosan Microparticles over Bulk Chitosan on the Modulation of the Auxin Signaling Pathway with Beneficial Impacts on Root Architecture in Plants. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6911-6920	5.7	9
136	Effect of Nanoclay Addition on the Biodegradability and Performance of Starch-Based Nanocomposites as Mulch Films. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 1959-1970	4.5	10
135	Sorption behavior of polyvinyl alcohol/bentonite hydrogels for dyes removal. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	27
134	Phantom gels towards medicine improvement: uses for magnetic device tests and enhancements on magnetic-dependent clinical techniques 2019 , 435-456		2
133	Structural and Thermal Properties of Agricultural Mulch Films Based on Native and Oxidized Corn Starch Nanocomposites. <i>Starch/Staerke</i> , 2019 , 71, 1800341	2.3	32
132	Effect of PAA-coated magnetic nanoparticles on the performance of PVA-based hydrogels developed to be used as environmental remediation devices. <i>Journal of Nanoparticle Research</i> , 2019 , 21, 1	2.3	15
131	Performance of Bio-Based Polymeric Agricultural Mulch Films 2019 , 215-240		5
130	Hybrid Ofloxacin/eugenol co-loaded solid lipid nanoparticles with enhanced and targetable antimicrobial properties. <i>International Journal of Pharmaceutics</i> , 2019 , 569, 118575	6.5	24
129	Biopolymer-Based Hydrogels for Agriculture Applications: Swelling Behavior and Slow Release of Agrochemicals 2019 , 99-125		11

128	Different Fillers in PVA Composite Hydrogels: Their Influence on the Final Properties 2019 , 1-11		
127	Acid-treated Bentonite as filler in the development of novel composite PVA hydrogels. <i>Journal of Applied Polymer Science</i> , 2019 , 136, 47663	2.9	15
126	Chitosan-hydroxypropyl methylcellulose tioconazole films: A promising alternative dosage form for the treatment of vaginal candidiasis. <i>International Journal of Pharmaceutics</i> , 2019 , 556, 181-191	6.5	30
125	New approaches to identification and characterization of tioconazole in raw material and in pharmaceutical dosage forms. <i>Journal of Pharmaceutical Analysis</i> , 2019 , 9, 40-48	14	7
124	Impact of gum arabic and sodium alginate and their interactions with whey protein aggregates on bio-based films characteristics. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 999-1007	7.9	9
123	Potential Agricultural Mulch Films Based on Native and Phosphorylated Corn Starch With and Without Surface Functionalization with Chitosan. <i>Journal of Polymers and the Environment</i> , 2019 , 27, 97-105	4.5	43
122	Preparation, Characterization, and In Vitro Testing of Nanoclay Antimicrobial Activities and Elicitor Capacity. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 3101-3109	5.7	19
121	Polyacrylic acid-coated iron oxide magnetic nanoparticles: The polymer molecular weight influence. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 543, 28-37	5.1	48
120	Water Remediation: PVA-Based Magnetic Gels as Efficient Devices to Heavy Metal Removal. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 3129-3138	4.5	4
119	Structural properties and in vitro digestibility of edible and pH-sensitive films made from guinea arrowroot starch and wastes from wine manufacture. <i>Carbohydrate Polymers</i> , 2018 , 184, 135-143	10.3	56
118	Design and testing of a pilot scale magnetic separator for the treatment of textile dyeing wastewater. <i>Journal of Environmental Management</i> , 2018 , 218, 562-568	7.9	21
117	Carbamazepine-loaded solid lipid nanoparticles and nanostructured lipid carriers: Physicochemical characterization and in vitro/in vivo evaluation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 167, 73-81	6	41
116	Hybrid bacterial cellulose/pectin films for delivery of bioactive molecules. <i>New Journal of Chemistry</i> , 2018 , 42, 7457-7467	3.6	33
115	Dissimilar Tendencies of Innovative Green Clay Organo-Modifier on the Final Properties of Poly(E-caprolactone) Based Nanocomposites. <i>Journal of Polymers and the Environment</i> , 2018 , 26, 716-727	4.5	11
114	Bionanocomposite films developed from corn starch and natural and modified nano-clays with or without added blueberry extract. <i>Food Hydrocolloids</i> , 2018 , 77, 407-420	10.6	93
113	Self-Assembly Stereo-Specific Synthesis of Silver Phosphate Microparticles on Bacterial Cellulose Membrane Surface For Antimicrobial Applications. <i>Colloids and Interface Science Communications</i> , 2018 , 26, 7-13	5.4	16
112	Effect of clay treatment on the thermal degradation of PHB based nanocomposites. <i>Applied Clay Science</i> , 2018 , 163, 146-152	5.2	17
111	Salicylic acid loaded chitosan microparticles applied to lettuce seedlings: Recycling shrimp fishing industry waste. <i>Carbohydrate Polymers</i> , 2018 , 200, 321-331	10.3	12

110	In vitro and in vivo evaluation of desmopressin-loaded poly(D,L-lactic-co-glycolic acid) nanoparticles for its potential use in cancer treatment. <i>Nanomedicine</i> , 2018 , 13, 2835-2849	5.6	2
109	Nanotechnology and Drug Delivery 2018 , 135-165		2
108	Composite Microparticles Based on Natural Mucoadhesive Polymers with Promising Structural Properties to Protect and Improve the Antifungal Activity of Miconazole Nitrate. <i>AAPS PharmSciTech</i> , 2018 , 19, 3712-3722	3.9	5
107	Critical Evaluation of Starch-Based Antibacterial Nanocomposites as Agricultural Mulch Films: Study on Their Interactions with Water and Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15662-15672	8.3	54
106	Development and characterization of bentonite/wGLP systems. <i>Applied Clay Science</i> , 2018 , 166, 159-165	5.2	3
105	Non-isothermal crystallization of poly(ϵ -caprolactone) nanocomposites with soy lecithin-modified bentonite. <i>Polymer Crystallization</i> , 2018 , 1, e10020	0.9	1
104	Chitosan coated-phosphorylated starch films: Water interaction, transparency and antibacterial properties. <i>Reactive and Functional Polymers</i> , 2018 , 131, 445-453	4.6	50
103	Bacterial cellulose hydrogel loaded with lipid nanoparticles for localized cancer treatment. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 170, 596-608	6	35
102	Properties of native and oxidized corn starch/polystyrene blends under conditions of reactive extrusion using zinc octanoate as a catalyst. <i>Reactive and Functional Polymers</i> , 2017 , 112, 33-44	4.6	54
101	Impact of different nanoparticles on the thermal degradation kinetics of phenolic resin nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 1463-1478	4.1	17
100	Synthesis of epoxy-loaded poly(melamine-formaldehyde) microcapsules: Effect of pH regulation method and emulsifier selection. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 520, 872-882	5.1	13
99	Nano-clays from natural and modified montmorillonite with and without added blueberry extract for active and intelligent food nanopackaging materials. <i>Materials Chemistry and Physics</i> , 2017 , 194, 283-292	4.4	73
98	Fire performance of composites made from carbon/phenolic prepregs with nanoclays. <i>Journal of Composite Materials</i> , 2017 , 51, 3515-3524	2.7	7
97	Improving the water resistance of epoxy/epoxyhydride matrices by the incorporation of bentonite. <i>Polymers for Advanced Technologies</i> , 2017 , 28, 886-896	3.2	5
96	Data on physicochemical properties of active films derived from plantain flour/PCL blends developed under reactive extrusion conditions. <i>Data in Brief</i> , 2017 , 15, 445-448	1.2	24
95	Eco-friendly films prepared from plantain flour/PCL blends under reactive extrusion conditions using zirconium octanoate as a catalyst. <i>Carbohydrate Polymers</i> , 2017 , 178, 260-269	10.3	38
94	Preparation, characterization and in vitro evaluation of ϵ -polylysine-loaded polymer blend microparticles for potential pancreatic cancer therapy. <i>Journal of Microencapsulation</i> , 2017 , 34, 582-591	3.4	4
93	Ferrogels : Smart Materials for Biomedical and Remediation Applications 2017 , 561-579		4

92	Non-covalently coated biopolymeric nanoparticles for improved tamoxifen delivery. <i>European Polymer Journal</i> , 2017 , 95, 348-357	5.2	17
91	Cellulosic materials as natural fillers in starch-containing matrix-based films: a review. <i>Polymer Bulletin</i> , 2017 , 74, 2401-2430	2.4	72
90	Films Made by Blending Poly(εCaprolactone) with Starch and Flour from Sagu Rhizome Grown at the Venezuelan Amazons. <i>Journal of Polymers and the Environment</i> , 2017 , 25, 701-716	4.5	26
89	Development of Biodegradable Products from Modified Starches 2017 , 77-124		5
88	Development of carbon fiber/phenolic resin prepregs modified with nanoclays. <i>Journal of Composite Materials</i> , 2016 , 50, 1287-1300	2.7	11
87	Modified bacterial cellulose scaffolds for localized doxorubicin release in human colorectal HT-29 cells. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 140, 421-429	6	52
86	Fracture behavior of polycaprolactone/clay nanocomposites. <i>Journal of Composite Materials</i> , 2016 , 50, 3863-3872	2.7	8
85	Property tuning of poly(lactic acid)/cellulose bio-composites through blending with modified ethylene-vinyl acetate copolymer. <i>Carbohydrate Polymers</i> , 2016 , 137, 515-524	10.3	32
84	Preparation And Characterization Of Polyvinyl Alcohol/Pectin Cryogels Containing Enrofloxacin And Keratinase As Potential Transdermal Delivery Device. <i>Advanced Materials Letters</i> , 2016 , 7, 640-645	2.4	17
83	Preparation and characterization of polybutylene-succinate/poly(ethylene-glycol)/cellulose nanocrystals ternary composites. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	24
82	Preparation and characterization of soy lecithin-modified bentonites. <i>Applied Clay Science</i> , 2016 , 127-128, 17-22	5.2	27
81	Ternary composites based on HDPE and Mater-Bi reinforced with hemp fibres. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 124, 499-508	4.1	4
80	Effect of the preparation method on the structure of linseed oil-filled poly(urea-formaldehyde) microcapsules. <i>Progress in Organic Coatings</i> , 2016 , 97, 194-202	4.8	27
79	Microencapsulation of epoxy resins: Optimization of synthesis conditions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 511, 27-38	5.1	32
78	Isothermal crystallization of polycaprolactone/modified clay biodegradable nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 1273-1280	4.1	9
77	Biodegradable nanocomposites based on starch/polycaprolactone/compatibilizer ternary blends reinforced with natural and organo-modified montmorillonite. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	23
76	Biodegradable Polymer/Clay Nanocomposites. <i>Advanced Structured Materials</i> , 2015 , 109-135	0.6	2
75	Curing kinetics of epoxy/alkyl phosphonium modified nanoclay composites for high performance applications. <i>Thermochimica Acta</i> , 2015 , 608, 20-29	2.9	7

74	Effects of adding nano-clay (montmorillonite) on performance of polyvinyl acetate (PVAc) and urea-formaldehyde (UF) adhesives in <i>Carapa guianensis</i> , a tropical species. <i>International Journal of Adhesion and Adhesives</i> , 2015 , 59, 62-70	3.4	33
73	Isothermal crystallization of gamma irradiated LDPE in the presence of oxygen. <i>Radiation Physics and Chemistry</i> , 2015 , 111, 74-80	2.5	3
72	Revalorization of rice husk waste as a source of cellulose and silica. <i>Fibers and Polymers</i> , 2015 , 16, 285-293		11
71	Biodegradable Polymeric Microparticles as Drug Delivery Devices. <i>IFMBE Proceedings</i> , 2015 , 187-190	0.2	6
70	Effect of the addition of nanoclays on the water absorption and mechanical properties of glass fiber/up resin composites. <i>Journal of Composite Materials</i> , 2015 , 49, 1629-1637	2.7	23
69	Non-isothermal crystallization of biodegradable polymer (MaterBi)/polyolefin (PP)/hemp fibres ternary composites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015 , 120, 1445-1455	4.1	10
68	Mechanical properties of polyvinylalcohol/hydroxyapatite cryogel as potential artificial cartilage. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2014 , 34, 47-56	4.1	57
67	Manufacturing and testing of a sandwich panel honeycomb core reinforced with natural-fiber fabrics. <i>Materials & Design</i> , 2014 , 55, 394-403		63
66	Effect of extrusion conditions and post-extrusion techniques on the morphology and thermal/mechanical properties of polycaprolactone/clay nanocomposites. <i>Journal of Composite Materials</i> , 2014 , 48, 2059-2070	2.7	10
65	Water soluble nanocomposite films based on poly(vinyl alcohol) and chemically modified montmorillonites. <i>Journal of Composite Materials</i> , 2014 , 48, 545-553	2.7	14
64	Preparation and characterization of polystyrene/starch blends for packaging applications. <i>Journal of Plastic Film and Sheeting</i> , 2014 , 30, 141-161	2.4	24
63	Simple and Efficient Procedure for the Synthesis of Ferrogels Based on Physically Cross-Linked PVA. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 214-221	3.9	13
62	Modification of bentonite by combination of reactions of acid-activation, silylation and ionic exchange. <i>Applied Clay Science</i> , 2014 , 99, 254-260	5.2	29
61	Fabrication of ferrogels using different magnetic nanoparticles and their performance on protein adsorption. <i>Polymer International</i> , 2014 , 63, 258-265	3.3	22
60	Fracture behaviour of biodegradable polymer/polyolefin-natural fibers ternary composites systems. <i>Fibers and Polymers</i> , 2014 , 15, 2625-2632	2	5
59	Poly(vinyl alcohol)/cellulose nanowhiskers nanocomposite hydrogels for potential wound dressings. <i>Materials Science and Engineering C</i> , 2014 , 34, 54-61	8.3	155
58	Magnetic properties study of iron-oxide nanoparticles/PVA ferrogels with potential biomedical applications. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	33
57	Preparation and characterization of micro and nanocomposites based on poly(vinyl alcohol) for packaging applications. <i>Journal of Materials Science</i> , 2013 , 48, 7088-7096	4.3	12

56	Extraction of cellulose nanowhiskers from natural fibers and agricultural byproducts. <i>Fibers and Polymers</i> , 2013 , 14, 1118-1127	2	42
55	A comparative study of the effect of different rigid fillers on the fracture and failure behavior of polypropylene based composites. <i>Composites Part B: Engineering</i> , 2013 , 52, 72-83	10	39
54	Fracture behavior of a commercial starch/polycaprolactone blend reinforced with different layered silicates. <i>Carbohydrate Polymers</i> , 2013 , 97, 269-76	10.3	17
53	Structural and magnetic behavior of ferrogels obtained by freezing thawing of polyvinyl alcohol/poly(acrylic acid) (PAA)-coated iron oxide nanoparticles. <i>European Polymer Journal</i> , 2013 , 49, 279-289	5.2	38
52	Gamma irradiated LDPE in presence of oxygen. Part I. Non-isothermal crystallization. <i>Thermochimica Acta</i> , 2013 , 570, 64-73	2.9	10
51	Unsaturated polyester/bentonite nanocomposites: Influence of clay modification on final performance. <i>Composites Part A: Applied Science and Manufacturing</i> , 2013 , 48, 137-143	8.4	71
50	Failure analysis of a GFRP pipe for oil transport. <i>Engineering Failure Analysis</i> , 2013 , 28, 16-24	3.2	15
49	Effect of the type of clay organo-modifier on the morphology, thermal/mechanical/impact/barrier properties and biodegradation in soil of polycaprolactone/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 2648-2657	2.9	42
48	Effect of water absorption on the dynamic mechanical properties of composites used for windmill blades. <i>Materials & Design</i> , 2012 , 36, 609-616		29
47	Crystallization behavior of random ethyleneButene copolymers modified with organic peroxide. <i>Thermochimica Acta</i> , 2012 , 528, 15-22	2.9	4
46	Effect of different inorganic filler over isothermal and non-isothermal crystallization of polypropylene homopolymer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 107, 633-643	4.1	16
45	Viscoelastic behavior of polycaprolactone/clay nanocomposites. <i>Journal of Composite Materials</i> , 2012 , 46, 677-689	2.7	15
44	Starch/Clay Nano-Biocomposites. <i>Green Energy and Technology</i> , 2012 , 287-321	0.6	5
43	Development and characterization of Poly (vinyl alcohol) based hydrogels for potential use as an articular cartilage replacement. <i>Materials Science and Engineering C</i> , 2012 , 32, 1490-5	8.3	44
42	Modification of snowboard base material and its effect over the adhesion to epoxy/glass fibre core. <i>Sports Engineering</i> , 2012 , 15, 189-195	1.4	0
41	Fique fibers: Enhancement of the tensile strength of alkali treated fibers during tensile load application. <i>Fibers and Polymers</i> , 2012 , 13, 632-640	2	19
40	Effect of lignocellulosic filler type and content on the behavior of polycaprolactone based eco-composites for packaging applications. <i>Carbohydrate Polymers</i> , 2012 , 87, 411-421	10.3	110
39	Processing, compatibilization and properties of ternary composites of Mater-Bi with polyolefins and hemp fibres. <i>Composites Part A: Applied Science and Manufacturing</i> , 2011 , 42, 2060-2069	8.4	18

38	Nanocellulose from rice husk following alkaline treatment to remove silica. <i>BioResources</i> , 2011 , 6, 1440-1453	1453	144
37	Effect of clay organic modifier on the final performance of PCL/clay nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 529, 215-223	53	36
36	Synthesis and characterization of PVA ferrogels obtained through a one-pot freezing-thawing procedure. <i>Colloid and Polymer Science</i> , 2011 , 289, 1839-1846	2.4	16
35	The effect of the annealing on the poly(vinyl alcohol) obtained by freezing-thawing. <i>Thermochimica Acta</i> , 2011 , 521, 184-190	2.9	21
34	Functionalization, Compatibilization and Properties of Polyolefin Composites with Natural Fibers. <i>Polymers</i> , 2010 , 2, 554-574	4.5	109
33	Compatibilization and Properties of EVA Copolymers Containing Surface-Functionalized Cellulose Microfibers. <i>Macromolecular Materials and Engineering</i> , 2010 , 295, 949-957	3.9	16
32	Overall crystallization behavior of polypropylene/clay nanocomposites; Effect of clay content and polymer/clay compatibility on the bulk crystallization and spherulitic growth. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 3248-3260	2.9	35
31	Starch/Cellulose Fiber Composites 2009 , 239-286		3
30	Extraction of cellulose and preparation of nanocellulose from sisal fibers. <i>Cellulose</i> , 2008 , 15, 149-159	5.5	919
29	Isothermal crystallization of layered silicate/starch-polycaprolactone blend nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 91, 749-757	4.1	21
28	Water uptake behavior of layered silicate/starch-polycaprolactone blend nanocomposites. <i>Polymer International</i> , 2008 , 57, 247-253	3.3	26
27	Microcellulose fibers-filled epoxy foams. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 1009-1013	2.9	7
26	Crystallization of polycaprolactone/clay nanocomposites. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3148-3156	2.9	35
25	Mechanical properties of polypropylene/clay nanocomposites: Effect of clay content, polymer/clay compatibility, and processing conditions. <i>Journal of Applied Polymer Science</i> , 2008 , 111, NA-NA	2.9	9
24	Creep behaviour of layered silicate/starch-polycaprolactone blends nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 480, 259-265	5.3	71
23	Mechanical properties of polypropylene composites based on natural fibers subjected to multiple extrusion cycles. <i>Journal of Applied Polymer Science</i> , 2007 , 103, 228-237	2.9	43
22	Processing and microstructure of PCL/clay nanocomposites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 460-461, 121-129	5.3	138
21	Mechanical properties of layered silicate/starch polycaprolactone blend nanocomposites. <i>Polymer International</i> , 2007 , 56, 686-693	3.3	39

20	Non-isothermal crystallization of MaterBi-Z/clay nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 88, 825-832	4.1	24
19	Influence of chemical treatments on the interfacial adhesion between sisal fibre and different biodegradable polymers. <i>Composite Interfaces</i> , 2007 , 14, 605-616	2.3	20
18	Cyclic Water Absorption Behavior of GlassVinylester and GlassEpoxy Composites. <i>Journal of Composite Materials</i> , 2007 , 41, 1275-1289	2.7	14
17	Aqueous Degradation of MATER BI YBisal Fibers Biocomposites. <i>Journal of Thermoplastic Composite Materials</i> , 2007 , 20, 291-303	1.9	10
16	Reparation of Composites used in Naval Industry. <i>Journal of Reinforced Plastics and Composites</i> , 2007 , 26, 1821-1829	2.9	1
15	Influence of fiber chemical modification procedure on the mechanical properties and water absorption of MaterBi-Y/sisal fiber composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006 , 37, 1672-1680	8.4	117
14	Effect of Microstructure on the Tensile and Fracture Properties of Sisal Fiber/Starch-based Composites. <i>Journal of Composite Materials</i> , 2006 , 40, 21-35	2.7	48
13	Influence of Twin-Screw Processing Conditions on the Mechanical Properties of Biocomposites. <i>Journal of Composite Materials</i> , 2005 , 39, 2023-2038	2.7	23
12	Fracture behavior of sisal fiberEreinforced starch-based composites. <i>Polymer Composites</i> , 2005 , 26, 316-333	3.3	34
11	Differential effect of fetal, neonatal and treatment variables on neurodevelopment in infants with congenital hypothyroidism. <i>Hormone Research in Paediatrics</i> , 2004 , 61, 17-20	3.3	3
10	Effect of Water Sorption on the Flexural Properties of a Fully Biodegradable Composite. <i>Journal of Composite Materials</i> , 2004 , 38, 1165-1182	2.7	31
9	Creep behavior of biocomposites based on sisal fiber reinforced cellulose derivatives/starch blends. <i>Polymer Composites</i> , 2004 , 25, 280-288	3	47
8	Melt rheological behavior of starch-based matrix composites reinforced with short sisal fibers. <i>Polymer Engineering and Science</i> , 2004 , 44, 1907-1914	2.3	41
7	Effects of the moisture and fiber content on the mechanical properties of biodegradable polymerEsisal fiber biocomposites. <i>Journal of Applied Polymer Science</i> , 2004 , 91, 4007-4016	2.9	84
6	Isothermal crystallization of poly(vinyl alcoholEethylene). <i>Journal of Applied Polymer Science</i> , 2003 , 89, 1071-1077	2.9	12
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3	The influence of matrix chemical structure on the mode I and II interlaminar fracture toughness of glass-fiber/epoxy composites. <i>Polymer Composites</i> , 2003 , 24, 140-148	3	9

2	Comparative study between mechanical and chemical treatments for the preparation of nanocellulose. <i>Journal of Composite Materials</i> ,002199832110441	2.7
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