Vera Alejandra Alvarez

List of Publications by Citations

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	Extraction of cellulose and preparation of nanocellulose from sisal fibers. *Cellulose*, **2008**, 15, 149-159	5.5	919
162	Poly(vinyl alcohol)/cellulose nanowhiskers nanocomposite hydrogels for potential wound dressings. *Materials Science and Engineering C*, **2014**, 34, 54-61	8.3	155
161	Nanocellulose from rice husk following alkaline treatment to remove silica. *BioResources*, **2011**, 6, 1440-1453	1.5	144
160	Processing and microstructure of PCL/clay nanocomposites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 460-461, 121-129	5.3	138
159	Influence of fiber chemical modification procedure on the mechanical properties and water absorption of MaterBi-Y/sisal fiber composites. *Composites Part A: Applied Science and Manufacturing*, **2006**, 37, 1672-1680	8.4	117
158	Effect of lignocellulosic filler type and content on the behavior of polycaprolactone based eco-composites for packaging applications. *Carbohydrate Polymers*, **2012**, 87, 411-421	10.3	110
157	Functionalization, Compatibilization and Properties of Polyolefin Composites with Natural Fibers. *Polymers*, **2010**, 2, 554-574	4.5	109
156	Bionanocomposite films developed from corn starch and natural and modified nano-clays with or without added blueberry extract. *Food Hydrocolloids*, **2018**, 77, 407-420	10.6	93
155	Effects of the moisture and fiber content on the mechanical properties of biodegradable polymer/sisal fiber biocomposites. *Journal of Applied Polymer Science*, **2004**, 91, 4007-4016	2.9	84
154	Nano-clays from natural and modified montmorillonite with and without added blueberry extract for active and intelligent food nanopackaging materials. *Materials Chemistry and Physics*, **2017**, 194, 283-292	4.4	73
153	Cellulosic materials as natural fillers in starch-containing matrix-based films: a review. *Polymer Bulletin*, **2017**, 74, 2401-2430	2.4	72
152	Unsaturated polyester/bentonite nanocomposites: Influence of clay modification on final performance. *Composites Part A: Applied Science and Manufacturing*, **2013**, 48, 137-143	8.4	71
151	Creep behaviour of layered silicate/starch/polycaprolactone blends nanocomposites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 480, 259-265	5.3	71
150	Manufacturing and testing of a sandwich panel honeycomb core reinforced with natural-fiber fabrics. *Materials & Design*, **2014**, 55, 394-403		63
149	Mechanical properties of polyvinylalcohol/hydroxyapatite cryogel as potential artificial cartilage. *Journal of the Mechanical Behavior of Biomedical Materials*, **2014**, 34, 47-56	4.1	57
148	Structural properties and in vitro digestibility of edible and pH-sensitive films made from guinea arrowroot starch and wastes from wine manufacture. *Carbohydrate Polymers*, **2018**, 184, 135-143	10.3	56
147	Properties of native and oxidized corn starch/polystyrene blends under conditions of reactive extrusion using zinc octanoate as a catalyst. *Reactive and Functional Polymers*, **2017**, 112, 33-44	4.6	54

146	Critical Evaluation of Starch-Based Antibacterial Nanocomposites as Agricultural Mulch Films: Study on Their Interactions with Water and Light. *ACS Sustainable Chemistry and Engineering*, **2018**, 6, 15662-15672	8.3	54
145	Modified bacterial cellulose scaffolds for localized doxorubicin release in human colorectal HT-29 cells. *Colloids and Surfaces B: Biointerfaces*, **2016**, 140, 421-429	6	52
144	Chitosan coated-phosphorylated starch films: Water interaction, transparency and antibacterial properties. *Reactive and Functional Polymers*, **2018**, 131, 445-453	4.6	50
143	Polyacrylic acid-coated iron oxide magnetic nanoparticles: The polymer molecular weight influence. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2018**, 543, 28-37	5.1	48
142	Effect of Microstructure on the Tensile and Fracture Properties of Sisal Fiber/Starch-based Composites. *Journal of Composite Materials*, **2006**, 40, 21-35	2.7	48
141	Chitosan-bacterial cellulose patch of ciprofloxacin for wound dressing: Preparation and characterization studies. *International Journal of Biological Macromolecules*, **2020**, 147, 1136-1145	7.9	48
140	Creep behavior of biocomposites based on sisal fiber reinforced cellulose derivatives/starch blends. *Polymer Composites*, **2004**, 25, 280-288	3	47
139	Development and characterization of Poly (vinyl alcohol) based hydrogels for potential use as an articular cartilage replacement. *Materials Science and Engineering C*, **2012**, 32, 1490-5	8.3	44
138	Mechanical properties of polypropylene composites based on natural fibers subjected to multiple extrusion cycles. *Journal of Applied Polymer Science*, **2007**, 103, 228-237	2.9	43
137	Potential Agricultural Mulch Films Based on Native and Phosphorylated Corn Starch With and Without Surface Functionalization with Chitosan. *Journal of Polymers and the Environment*, **2019**, 27, 97-105	4.5	43
136	Extraction of cellulose nanowhiskers from natural fibers and agricultural byproducts. *Fibers and Polymers*, **2013**, 14, 1118-1127	2	42
135	Effect of the type of clay organo-modifier on the morphology, thermal/mechanical/impact/barrier properties and biodegradation in soil of polycaprolactone/clay nanocomposites. *Journal of Applied Polymer Science*, **2013**, 128, 2648-2657	2.9	42
134	Carbamazepine-loaded solid lipid nanoparticles and nanostructured lipid carriers: Physicochemical characterization and in vitro/in vivo evaluation. *Colloids and Surfaces B: Biointerfaces*, **2018**, 167, 73-81	6	41
133	Melt rheological behavior of starch-based matrix composites reinforced with short sisal fibers. *Polymer Engineering and Science*, **2004**, 44, 1907-1914	2.3	41
132	A comparative study of the effect of different rigid fillers on the fracture and failure behavior of polypropylene based composites. *Composites Part B: Engineering*, **2013**, 52, 72-83	10	39
131	Mechanical properties of layered silicate/starch polycaprolactone blend nanocomposites. *Polymer International*, **2007**, 56, 686-693	3.3	39
130	Structural and magnetic behavior of ferrogels obtained by freezing thawing of polyvinyl alcohol/poly(acrylic acid) (PAA)-coated iron oxide nanoparticles. *European Polymer Journal*, **2013**, 49, 279-289	5.2	38
129	Eco-friendly films prepared from plantain flour/PCL blends under reactive extrusion conditions using zirconium octanoate as a catalyst. *Carbohydrate Polymers*, **2017**, 178, 260-269	10.3	38

128	Effect of clay organic modifier on the final performance of PCL/clay nanocomposites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 529, 215-223	5.3	36
127	Overall crystallization behavior of polypropylene clay nanocomposites; Effect of clay content and polymer/clay compatibility on the bulk crystallization and spherulitic growth. *Journal of Applied Polymer Science*, **2009**, 114, 3248-3260	2.9	35
126	Crystallization of polycaprolactone clay nanocomposites. *Journal of Applied Polymer Science*, **2008**, 109, 3148-3156	2.9	35
125	Bacterial cellulose hydrogel loaded with lipid nanoparticles for localized cancer treatment. *Colloids and Surfaces B: Biointerfaces*, **2018**, 170, 596-608	6	35
124	Fracture behavior of sisal fiber einforced starch-based composites. *Polymer Composites*, **2005**, 26, 316-323	3	34
123	Effects of adding nano-clay (montmorillonite) on performance of polyvinyl acetate (PVAc) and urea-formaldehyde (UF) adhesives in Carapa guianensis, a tropical species. *International Journal of Adhesion and Adhesives*, **2015**, 59, 62-70	3.4	33
122	Hybrid bacterial cellulose ectin films for delivery of bioactive molecules. *New Journal of Chemistry* , **2018**, 42, 7457-7467	3.6	33
121	Magnetic properties study of iron-oxide nanoparticles/PVA ferrogels with potential biomedical applications. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	33
120	Structural and Thermal Properties of Agricultural Mulch Films Based on Native and Oxidized Corn Starch Nanocomposites. *Starch/Staerke*, **2019**, 71, 1800341	2.3	32
119	Property tuning of poly(lactic acid)/cellulose bio-composites through blending with modified ethylene-vinyl acetate copolymer. *Carbohydrate Polymers*, **2016**, 137, 515-524	10.3	32
118	Microencapsulation of epoxy resins: Optimization of synthesis conditions. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 511, 27-38	5.1	32
117	Effect of Water Sorption on the Flexural Properties of a Fully Biodegradable Composite. *Journal of Composite Materials*, **2004**, 38, 1165-1182	2.7	31
116	Kinetic analysis of thermal degradation in poly(ethylene vinyl alcohol) copolymers. *Journal of Applied Polymer Science*, **2003**, 90, 3157-3163	2.9	30
115	Chitosan-hydroxypropyl methylcellulose tioconazole films: A promising alternative dosage form for the treatment of vaginal candidiasis. *International Journal of Pharmaceutics*, **2019**, 556, 181-191	6.5	30
114	Modification of bentonite by combination of reactions of acid-activation, silylation and ionic exchange. *Applied Clay Science*, **2014**, 99, 254-260	5.2	29
113	Effect of water absorption on the dynamic mechanical properties of composites used for windmill blades. *Materials & Design*, **2012**, 36, 609-616		29
112	Sorption behavior of polyvinyl alcohol/bentonite hydrogels for dyes removal. *Journal of Polymer Research*, **2019**, 26, 1	2.7	27
111	Preparation and characterization of soy lecithin-modified bentonites. *Applied Clay Science*, **2016**, 127-128, 17-22	5.2	27

110	Effect of the preparation method on the structure of linseed oil-filled poly(urea-formaldehyde) microcapsules. *Progress in Organic Coatings*, **2016**, 97, 194-202	4.8	27
109	Films Made by Blending Poly(ε-Caprolactone) with Starch and Flour from Sagu Rhizome Grown at the Venezuelan Amazons. *Journal of Polymers and the Environment*, **2017**, 25, 701-716	4.5	26
108	Water uptake behavior of layered silicate/starch–polycaprolactone blend nanocomposites. *Polymer International*, **2008**, 57, 247-253	3.3	26
107	Data on physicochemical properties of active films derived from plantain flour/PCL blends developed under reactive extrusion conditions. *Data in Brief*, **2017**, 15, 445-448	1.2	24
106	Hybrid Ofloxacin/eugenol co-loaded solid lipid nanoparticles with enhanced and targetable antimicrobial properties. *International Journal of Pharmaceutics*, **2019**, 569, 118575	6.5	24
105	Preparation and characterization of polystyrene/starch blends for packaging applications. *Journal of Plastic Film and Sheeting*, **2014**, 30, 141-161	2.4	24
104	Non-isothermal crystallization of MaterBi-Z/clay nanocomposites. *Journal of Thermal Analysis and Calorimetry*, **2007**, 88, 825-832	4.1	24
103	Preparation and characterization of polybutylene-succinate/poly(ethylene-glycol)/cellulose nanocrystals ternary composites. *Journal of Applied Polymer Science*, **2016**, 133, n/a-n/a	2.9	24
102	Effect of the addition of nanoclays on the water absorption and mechanical properties of glass fiber/up resin composites. *Journal of Composite Materials*, **2015**, 49, 1629-1637	2.7	23
101	Influence of Twin-Screw Processing Conditions on the Mechanical Properties of Biocomposites. *Journal of Composite Materials*, **2005**, 39, 2023-2038	2.7	23
100	Biodegradable nanocomposites based on starch/polycaprolactone/compatibilizer ternary blends reinforced with natural and organo-modified montmorillonite. *Journal of Applied Polymer Science*, **2016**, 133,	2.9	23
99	Low cost and regenerable composites based on chitin/bentonite for the adsorption potential emerging pollutants. *Applied Clay Science*, **2020**, 194, 105703	5.2	22
98	Fabrication of ferrogels using different magnetic nanoparticles and their performance on protein adsorption. *Polymer International*, **2014**, 63, 258-265	3.3	22
97	Dynamic mechanical properties and interphase fiber/matrix evaluation of unidirectional glass fiber/epoxy composites. *Polymer Testing*, **2003**, 22, 611-615	4.5	22
96	Design and testing of a pilot scale magnetic separator for the treatment of textile dyeing wastewater. *Journal of Environmental Management*, **2018**, 218, 562-568	7.9	21
95	The effect of the annealing on the poly(vinyl alcohol) obtained by freezing–thawing. *Thermochimica Acta*, **2011**, 521, 184-190	2.9	21
94	Isothermal crystallization of layered silicate/starch-polycaprolactone blend nanocomposites. *Journal of Thermal Analysis and Calorimetry*, **2008**, 91, 749-757	4.1	21
93	Influence of chemical treatments on the interfacial adhesion between sisal fibre and different biodegradable polymers. *Composite Interfaces*, **2007**, 14, 605-616	2.3	20

92	Advances in Magnetic Noble Metal/Iron-Based Oxide Hybrid Nanoparticles as Biomedical Devices. *Bioengineering*, **2019**, 6,	5.3	19
91	Preparation, Characterization, and In Vitro Testing of Nanoclay Antimicrobial Activities and Elicitor Capacity. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 3101-3109	5.7	19
90	Fique fibers: Enhancement of the tensile strength of alkali treated fibers during tensile load application. *Fibers and Polymers*, **2012**, 13, 632-640	2	19
89	Processing, compatibilization and properties of ternary composites of Mater-Bi with polyolefins and hemp fibres. *Composites Part A: Applied Science and Manufacturing*, **2011**, 42, 2060-2069	8.4	18
88	Impact of different nanoparticles on the thermal degradation kinetics of phenolic resin nanocomposites. *Journal of Thermal Analysis and Calorimetry*, **2017**, 128, 1463-1478	4.1	17
87	Effect of clay treatment on the thermal degradation of PHB based nanocomposites. *Applied Clay Science*, **2018**, 163, 146-152	5.2	17
86	Fracture behavior of a commercial starch/polycaprolactone blend reinforced with different layered silicates. *Carbohydrate Polymers*, **2013**, 97, 269-76	10.3	17
85	Non-covalently coated biopolymeric nanoparticles for improved tamoxifen delivery. *European Polymer Journal*, **2017**, 95, 348-357	5.2	17
84	Preparation And Characterization Of Polyvinyl Alcohol□Pectin Cryogels Containing Enrofloxacin And Keratinase As Potential Transdermal Delivery Device. *Advanced Materials Letters*, **2016**, 7, 640-645	2.4	17
83	Chitosan microparticles improve tomato seedling biomass and modulate hormonal, redox and defense pathways. *Plant Physiology and Biochemistry*, **2019**, 143, 203-211	5.4	16
82	Self-Assembly Stereo-Specific Synthesis of Silver Phosphate Microparticles on Bacterial Cellulose Membrane Surface For Antimicrobial Applications. *Colloids and Interface Science Communications*, **2018**, 26, 7-13	5.4	16
81	Effect of different inorganic filler over isothermal and non-isothermal crystallization of polypropylene homopolymer. *Journal of Thermal Analysis and Calorimetry*, **2012**, 107, 633-643	4.1	16
80	Synthesis and characterization of PVA ferrogels obtained through a one-pot freezing□thawing procedure. *Colloid and Polymer Science*, **2011**, 289, 1839-1846	2.4	16
79	Compatibilization and Properties of EVA Copolymers Containing Surface-Functionalized Cellulose Microfibers. *Macromolecular Materials and Engineering*, **2010**, 295, 949-957	3.9	16
78	Effect of PAA-coated magnetic nanoparticles on the performance of PVA-based hydrogels developed to be used as environmental remediation devices. *Journal of Nanoparticle Research*, **2019**, 21, 1	2.3	15
77	Viscoelastic behavior of polycaprolactone/clay nanocomposites. *Journal of Composite Materials*, **2012**, 46, 677-689	2.7	15
76	Failure analysis of a GFRP pipe for oil transport. *Engineering Failure Analysis*, **2013**, 28, 16-24	3.2	15
75	Acid-treated Bentonite as filler in the development of novel composite PVA hydrogels. *Journal of Applied Polymer Science*, **2019**, 136, 47663	2.9	15

74	Water soluble nanocomposite films based on poly(vinyl alcohol) and chemically modified montmorillonites. *Journal of Composite Materials*, **2014**, 48, 545-553	2.7	14
73	Cyclic Water Absorption Behavior of Glass Vinylester and Glass Epoxy Composites. *Journal of Composite Materials*, **2007**, 41, 1275-1289	2.7	14
72	Synthesis of epoxy-loaded poly(melamine-formaldehyde) microcapsules: Effect of pH regulation method and emulsifier selection. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2017**, 520, 872-882	5.1	13
71	Simple and Efficient Procedure for the Synthesis of Ferrogels Based on Physically Cross-Linked PVA. *Industrial & Engineering Chemistry Research*, **2014**, 53, 214-221	3.9	13
70	Salicylic acid loaded chitosan microparticles applied to lettuce seedlings: Recycling shrimp fishing industry waste. *Carbohydrate Polymers*, **2018**, 200, 321-331	10.3	12
69	Preparation and characterization of micro and nanocomposites based on poly(vinyl alcohol) for packaging applications. *Journal of Materials Science*, **2013**, 48, 7088-7096	4.3	12
68	Isothermal crystallization of poly(vinyl alcohol oethylene). *Journal of Applied Polymer Science*, **2003**, 89, 1071-1077	2.9	12
67	Bentonite-composite polyvinyl alcohol/alginate hydrogel beads: Preparation, characterization and their use as arsenic removal devices. *Environmental Nanotechnology, Monitoring and Management*, **2020**, 14, 100364	3.3	12
66	Development of carbon fiber/phenolic resin prepregs modified with nanoclays. *Journal of Composite Materials*, **2016**, 50, 1287-1300	2.7	11
65	Revalorization of rice husk waste as a source of cellulose and silica. *Fibers and Polymers*, **2015**, 16, 285-293	2.3	11
64	Dissimilar Tendencies of Innovative Green Clay Organo-Modifier on the Final Properties of Poly(caprolactone) Based Nanocomposites. *Journal of Polymers and the Environment*, **2018**, 26, 716-727	4.5	11
63	Biopolymer-Based Hydrogels for Agriculture Applications: Swelling Behavior and Slow Release of Agrochemicals **2019**, 99-125		11
62	Effect of Nanoclay Addition on the Biodegradability and Performance of Starch-Based Nanocomposites as Mulch Films. *Journal of Polymers and the Environment*, **2019**, 27, 1959-1970	4.5	10
61	Physically-crosslinked polyvinyl alcohol composite hydrogels containing clays, carbonaceous materials and magnetic nanoparticles as fillers. *Journal of Environmental Chemical Engineering*, **2020**, 8, 103795	6.8	10
60	Effect of extrusion conditions and post-extrusion techniques on the morphology and thermal/mechanical properties of polycaprolactone/clay nanocomposites. *Journal of Composite Materials*, **2014**, 48, 2059-2070	2.7	10
59	Gamma irradiated LDPE in presence of oxygen. Part I. Non-isothermal crystallization. *Thermochimica Acta*, **2013**, 570, 64-73	2.9	10
58	Non-isothermal crystallization of biodegradable polymer (MaterBi)/polyolefin (PP)/hemp fibres ternary composites. *Journal of Thermal Analysis and Calorimetry*, **2015**, 120, 1445-1455	4.1	10
57	Aqueous Degradation of MATER BI Sisal Fibers Biocomposites. *Journal of Thermoplastic Composite Materials*, **2007**, 20, 291-303	1.9	10

56	Enhanced Properties of Chitosan Microparticles over Bulk Chitosan on the Modulation of the Auxin Signaling Pathway with Beneficial Impacts on Root Architecture in Plants. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 6911-6920	5.7	9
55	Mechanical properties of polypropylene/clay nanocomposites: Effect of clay content, polymer/clay compatibility, and processing conditions. *Journal of Applied Polymer Science*, **2008**, 111, NA-NA	2.9	9
54	The influence of matrix chemical structure on the mode I and II interlaminar fracture toughness of glass-fiber/epoxy composites. *Polymer Composites*, **2003**, 24, 140-148	3	9
53	Green Microcomposites from Renewable Resources: Effect of Seaweed (Undaria pinnatifida) as Filler on Corn Starch□Chitosan Film Properties. *Journal of Polymers and the Environment*, **2020**, 28, 500-516	4.5	9
52	Isothermal crystallization of polycaprolactone/modified clay biodegradable nanocomposites. *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 1273-1280	4.1	9
51	Impact of gum arabic and sodium alginate and their interactions with whey protein aggregates on bio-based films characteristics. *International Journal of Biological Macromolecules*, **2019**, 125, 999-1007	7.9	9
50	Fracture behavior of polycaprolactone/clay nanocomposites. *Journal of Composite Materials*, **2016**, 50, 3863-3872	2.7	8
49	Fire performance of composites made from carbon/phenolic prepregs with nanoclays. *Journal of Composite Materials*, **2017**, 51, 3515-3524	2.7	7
48	Curing kinetics of epoxy/alkyl phosphonium modified nanoclay composites for high performance applications. *Thermochimica Acta*, **2015**, 608, 20-29	2.9	7
47	Microcellulose fibers-filled epoxy foams. *Journal of Applied Polymer Science*, **2008**, 109, 1009-1013	2.9	7
46	New approaches to identification and characterization of tioconazole in raw material and in pharmaceutical dosage forms. *Journal of Pharmaceutical Analysis*, **2019**, 9, 40-48	14	7
45	Biodegradable Polymeric Microparticles as Drug Delivery Devices. *IFMBE Proceedings*, **2015**, 187-190	0.2	6
44	Improving the water resistance of epoxy□anhydride matrices by the incorporation of bentonite. *Polymers for Advanced Technologies*, **2017**, 28, 886-896	3.2	5
43	Thermal degradation of poly (□caprolactone) nanocomposites with soy lecithin-modified bentonite fillers. *Thermochimica Acta*, **2020**, 689, 178638	2.9	5
42	Performance of Bio-Based Polymeric Agricultural Mulch Films **2019**, 215-240		5
41	Development of Biodegradable Products from Modified Starches **2017**, 77-124		5
40	Fracture behaviour of biodegradable polymer/polyolefin-natural fibers ternary composites systems. *Fibers and Polymers*, **2014**, 15, 2625-2632	2	5
39	Starch/Clay Nano-Biocomposites. *Green Energy and Technology*, **2012**, 287-321	0.6	5

38	Current and emerging biodegradable mulch films based on polysaccharide bio-composites. A review. *Agronomy for Sustainable Development*, **2021**, 41, 1	6.8	5
37	Composite Microparticles Based on Natural Mucoadhesive Polymers with Promising Structural Properties to Protect and Improve the Antifungal Activity of Miconazole Nitrate. *AAPS PharmSciTech*, **2018**, 19, 3712-3722	3.9	5
36	Amelioration of tomato plants cultivated in organic-matter impoverished soil by supplementation with Undaria pinnatifida. *Algal Research*, **2020**, 46, 101785	5	4
35	Water Remediation: PVA-Based Magnetic Gels as Efficient Devices to Heavy Metal Removal. *Journal of Polymers and the Environment*, **2018**, 26, 3129-3138	4.5	4
34	Crystallization behavior of random ethylene□butene copolymers modified with organic peroxide. *Thermochimica Acta*, **2012**, 528, 15-22	2.9	4
33	Preparation, characterization and in vitro evaluation of □polylysine-loaded polymer blend microparticles for potential pancreatic cancer therapy. *Journal of Microencapsulation*, **2017**, 34, 582-591	3.4	4
32	Ferrogels : Smart Materials for Biomedical and Remediation Applications **2017**, 561-579		4
31	Ternary composites based on HDPE and Mater-Bi reinforced with hemp fibres. *Journal of Thermal Analysis and Calorimetry*, **2016**, 124, 499-508	4.1	4
30	Isothermal crystallization of gamma irradiated LDPE in the presence of oxygen. *Radiation Physics and Chemistry*, **2015**, 111, 74-80	2.5	3
29	Starch□Cellulose Fiber Composites **2009**, 239-286		3
28	Differential effect of fetal, neonatal and treatment variables on neurodevelopment in infants with congenital hypothyroidism. *Hormone Research in Paediatrics*, **2004**, 61, 17-20	3.3	3
27	FIGHTING AGAINST PLANT SALINE STRESS: DEVELOPMENT OF A NOVEL BIOACTIVE COMPOSITE BASED ON BENTONITE AND L-PROLINE. *Clays and Clay Minerals*, **2021**, 69, 232-242	2.1	3
26	Improved creep performance of melt-extruded polycaprolactone/organo-bentonite nanocomposites. *Journal of Applied Polymer Science*, **2021**, 138, 50961	2.9	3
25	Development and characterization of bentonite/wGLP systems. *Applied Clay Science*, **2018**, 166, 159-165	5.2	3
24	Development and optimization of a new tioconazole vaginal mucoadhesive film using an experimental design strategy. Physicochemical and biological characterization. *Journal of Pharmaceutical and Biomedical Analysis*, **2021**, 205, 114303	3.5	3
23	Phantom gels towards medicine improvement: uses for magnetic device tests and enhancements on magnetic-dependent clinical techniques **2019**, 435-456		2
22	Biodegradable Polymer/Clay Nanocomposites. *Advanced Structured Materials*, **2015**, 109-135	0.6	2
21	Characterization of functionalized bentonite as nanocarrier of salicylic acid with protective action against Pseudomonas syringae in tomato plants. *European Journal of Plant Pathology*, **2020**, 158, 211-222	2.1	2

20	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture **2020**, 1-22		2
19	Removal efficiency of As(III) from aqueous solutions using natural and Fe(III) modified bentonites. *Environmental Technology (United Kingdom)*, **2021**, 1-14	2.6	2
18	Enhancing the integration of bentonite clay with polycaprolactone by intercalation with a cationic surfactant: effects on clay orientation and composite tensile properties. *Journal of Materials Science*, **2021**, 56, 5595-5608	4.3	2
17	In vitro and in vivo evaluation of desmopressin-loaded poly(D,L-lactic-co-glycolic acid) nanoparticles for its potential use in cancer treatment. *Nanomedicine*, **2018**, 13, 2835-2849	5.6	2
16	Nanotechnology and Drug Delivery **2018**, 135-165		2
15	Isolation and partial characterization of Komagataeibacter sp. SU12 and optimization of bacterial cellulose production using Mangifera indica extracts. *Journal of Chemical Technology and Biotechnology*,	3.5	2
14	Reparation of Composites used in Naval Industry. *Journal of Reinforced Plastics and Composites*, **2007**, 26, 1821-1829	2.9	1
13	Advanced applications of green materials in agriculture **2021**, 193-222		1
12	Different Fillers in PVA Composite Hydrogels: Their Influence on the Final Properties **2021**, 27-37		1
11	Non-isothermal crystallization of poly(ε-caprolactone) nanocomposites with soy lecithin-modified bentonite. *Polymer Crystallization*, **2018**, 1, e10020	0.9	1
10	Modification of snowboard base material and its effect over the adhesion to epoxy/glass fibre core. *Sports Engineering*, **2012**, 15, 189-195	1.4	0
9	Recent Advances in Thermoplastic Starch Biodegradable Nanocomposites **2020**, 1-24		0
8	Tillandsia Aeranthos flower-like magnetic nanostructures confined into polyvinyl alcohol beads. *Journal of Applied Polymer Science*, **2021**, 138, 50261	2.9	0
7	Nanoclay as Carriers of Bioactive Molecules Applied to Agriculture **2021**, 433-453		0
6	Comparative study between mechanical and chemical treatments for the preparation of nanocellulose. *Journal of Composite Materials*,002199832110441	2.7	
5	Different Fillers in PVA Composite Hydrogels: Their Influence on the Final Properties **2019**, 1-11		
4	Consumer Nanoproducts Based on Polymer Nanocomposites for Food Packaging **2021**, 1-23		
3	Recent Advances in Thermoplastic Starch Biodegradable Nanocomposites **2021**, 3465-3487		

2 Following mass transport through barrier membranes with confocal Raman microscopy. *Journal of Raman Spectroscopy*, **2021**, 52, 1022-1031 2.3

1 Consumer Nanoproducts Based on Polymer Nanocomposites for Food Packaging **2022**, 1277-1299