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Effect of carboxymethyl cellulose concentration on physical properties of biodegradable cassava starch-based films

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#	Paper	IF	Citations
190	Stability, solubility, mechanical and barrier properties of cassava starch ©arnauba wax edible coatings to preserve fresh-cut apples. <i>Food Hydrocolloids</i> , 2012 , 28, 59-67	10.6	119
189	Characterization of Urea Encapsulated by Biodegradable Starch-PVA-Glycerol. 2013, 21, 1083-1087		20
188	Novel Biodegradable Films with Extraordinary Tensile Strength and Flexibility Provided by Nanoparticles. 2013 , 1, 127-136		19
187	The effects of the addition of corn husk fibre, kaolin and beeswax on cross-linked corn starch foam. 2013 , 116, 267-276		40
186	Producing novel sago starch based food packaging films by incorporating lignin isolated from oil palm black liquor waste. 2013 , 119, 707-713		80
185	Thermal, mechanical and water adsorption properties of corn starch@arboxymethylcellulose/methylcellulose biodegradable films. 2013 , 114, 123-131		49
184	Effect of Hydrocolloids and Emulsifiers on Baking Quality of Composite Cassava-Maize-Wheat Breads. 2014 , 2014, 479630		20
183	Thermo-compression of biodegradable thermoplastic corn starch films containing chitin and chitosan. 2014 , 57, 106-115		119
182	Investigation of mechanical properties, antibacterial features, and water vapor permeability of polyvinyl alcohol thin films reinforced by glutaraldehyde and multiwalled carbon nanotube. 2014 , 35, 1736-1743		29
181	Characterization of composite hydrocolloid film based on sodium cellulose sulfate and cassava starch. 2014 , 125, 105-111		14
180	Evaluation of Structural Properties of Cellulose Ether-Corn Starch Based Biodegradable Films. 2014 , 63, 342-351		12
179	Characterization of Gamma Irradiated Plasticized Carboxymethyl Cellulose (CMC)/Gum Arabic (GA) Polymer Blends as Absorbents for Dyestuffs. 2014 , 37, 603-608		7
178	Effect of candelilla wax on functional properties of biopolymer emulsion films 🖪 comparative study. <i>Food Hydrocolloids</i> , 2014 , 41, 195-209	10.6	78
177	Role of silk fibroin and rice starch on some physical properties of hydroxyapatite-based composites. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	3
176	Biofilms based on cassava starch containing extract of yerba mate as antioxidant and plasticizer. <i>Starch/Staerke</i> , 2015 , 67, 780-789	2.3	74
175	Influence of starch addition on properties of methylolated urea/starch copolymer blends for application as a binder in the coating industry. 2015 , 7, 44-51		
174	Oral films: Current status and future perspectives: I - Galenical development and quality attributes. 2015 , 206, 1-19		171

(2016-2015)

173	Transparent organicfhorganic nanocomposites membranes based on carboxymethylcellulose and synthetic clay. <i>Industrial Crops and Products</i> , 2015 , 69, 415-423	5.9	21
172	Bio-nanocomposite films reinforced with cellulose nanocrystals: Rheology of film-forming solutions, transparency, water vapor barrier and tensile properties of films. <i>Carbohydrate Polymers</i> , 2015 , 129, 156-67	10.3	245
171	Optical and thermo-mechanical properties of composite films based on fish gelatin/rice flour fabricated by casting technique. 2015 , 84, 115-127		101
170	Rice starch active packaging films loaded with antioxidants development and characterization. <i>Starch/Staerke</i> , 2015 , 67, 294-302	2.3	38
169	Mechanical and water binding properties of carboxymethyl cellulose/multiwalled carbon nanotube nanocomposites. 2015 , 36, 145-152		11
168	Compatibility of cassava starch films as nitric oxide carrier for potential medical device. <i>Journal of Applied Polymer Science</i> , 2015 , 132,	2.9	1
167	Antioxidant and antimicrobial carboxymethyl cellulose films containing Zataria multiflora essential oil. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 606-13	7.9	167
166	Polystyrene-based wound healing systems. 2016 , 309-334		
165	Biodegradable film from mango kernel starch: Effect of plasticizers on physical, barrier, and mechanical properties. <i>Starch/Staerke</i> , 2016 , 68, 919-928	2.3	33
164	Development and Characterization of Edible Films Based on Fruit and Vegetable Residues. 2016 , 81, E412-8		58
163	Preparation and properties of arenga starch-chitosan based edible film. <i>IOP Conference Series:</i> Materials Science and Engineering, 2016 , 107, 012047	0.4	
162	Transparent composite films prepared from chemically modified cellulose fibers. 2016 , 23, 2011-2024		12
161	Development of smart colourimetric starch-based indicator for liberated volatiles during durian ripeness. 2016 , 89, 365-372		18
160	Polysaccharide based bionanocomposites, properties and applications: A review. <i>International Journal of Biological Macromolecules</i> , 2016 , 92, 1012-1024	7.9	115
159	Integrated sustainable process design framework for cassava biobased packaging materials: Critical review of current challenges, emerging trends and prospects. <i>Trends in Food Science and Technology</i> , 2016 , 56, 103-114	15.3	11
158	Chemical and Sensory Quality Preservation in Coated Almonds with the Addition of Antioxidants. 2016 , 81, S208-15		27
157	Biodegradable hybrid nanocomposites of starch/lysine and ZnO nanoparticles with shape memory properties. 2016 , 109, 590-595		29
156	Analyzing the effect of whey protein concentrate and psyllium husk on various characteristics of biodegradable film from lotus (Nelumbo nucifera) rhizome starch <i>Food Hydrocolloids</i> , 2016 , 60, 128-13	37 ^{10.6}	51

155	Preformed and sprayable polymeric mulch film to improve agricultural water use efficiency. 2016 , 169, 1-13		65
154	Sodium alginate/carboxymethyl cellulose films containing pyrogallic acid: physical and antibacterial properties. 2017 , 97, 1295-1301		49
153	Starchtellulose Ether Films: Microstructure and Water Resistance. 2017, 40, e12382		5
152	Mango kernel starch-gum composite films: Physical, mechanical and barrier properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 98, 869-876	7.9	75
151	Cassava/sugar palm fiber reinforced cassava starch hybrid composites: Physical, thermal and structural properties. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 75-83	7.9	88
150	Orally disintegrating films focusing on formulation, manufacturing process, and characterization. 2017 , 47, 183-201		27
149	Development of Gelatin Bionanocomposite Films Containing Chitin and ZnO Nanoparticles. 2017 , 10, 1441-1453		40
148	Carboxymethylated polysaccharide-based films as carriers for acrylic pressure-sensitive adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2017 , 73, 75-79	3.4	8
147	Functional characteristics, wettability properties and cytotoxic effect of starch film incorporated with multi-walled and hydroxylated multi-walled carbon nanotubes. <i>International Journal of Biological Macromolecules</i> , 2017 , 104, 597-605	7.9	40
146	Synthesis of carboxymethylcellulose/starch superabsorbent hydrogels by gamma-irradiation. <i>Chemistry Central Journal</i> , 2017 , 11, 46		53
145	Exitral from Cymbopogon citratus on cellulosic film: Release potential and quality of coalho cheese. 2017 , 85, 246-251		8
144	Hydrophilic modification of cellulose nanocrystals improves the physicochemical properties of cassava starch-based nanocomposite films. 2017 , 86, 318-326		41
143	Physical, Barrier, and Antioxidant Properties of Pea Starch-Guar Gum Biocomposite Edible Films by Incorporation of Natural Plant Extracts. 2017 , 10, 2240-2250		35
142	Effects of Starch Sources and Supplementary Materials on Starch Based Foam Trays. 2017 , 25, 1163-117	' 4	11
141	Design and Characterization of Corn Starch Edible Films Including Beeswax and Natural Antimicrobials. 2017 , 10, 103-114		36
140	Development of Biopolymer Composite Films Using a Microfluidization Technique for Carboxymethylcellulose and Apple Skin Particles. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	17
139	Reinforced cassava starch based edible film incorporated with essential oil and sodium bentonite nanoclay as food packaging material. <i>Journal of Food Science and Technology</i> , 2018 , 55, 1953-1959	3.3	66
138	Pectin/Carboxymethylcellulose Films as a Potential Food Packaging Material. 2018 , 378, 1600163		16

137	Potential of pinh D Coat as Constituents of Starch Based Films Using Modification Techniques. 2018 , 26, 2686-2697		4
136	A novel application for oil palm empty fruit bunch: extraction and modification of cellulose for solid polymer electrolyte. 2018 , 24, 3827-3836		14
135	Can carboxymethyl cellulose be used as a selective flocculant for beneficiating alumina-rich iron ore slimes? A density functional theory and experimental study. 2018 , 121, 47-54		18
134	Nanocomposite films based on CMC, okra mucilage and ZnO nanoparticles: Physico mechanical and antibacterial properties. <i>Carbohydrate Polymers</i> , 2018 , 181, 351-357	10.3	49
133	Effects of chitosan quaternary ammonium salt on the physicochemical properties of sodium carboxymethyl cellulose-based films. <i>Carbohydrate Polymers</i> , 2018 , 184, 37-46	10.3	45
132	Improved lifetime of chitosan film in converting water vapor to electrical power by adding carboxymethyl cellulose. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018 , 309, 012092	0.4	2
131	Solution blow spinning (SBS)-assisted synthesis of well-defined carboxymethyl cellulose (CMC) nanowhiskers. 2018 , 29, 50LT01		10
130	Performance evaluation of cashew gum and gelatin blend for food packaging. <i>Food Packaging and Shelf Life</i> , 2018 , 17, 57-64	8.2	25
129	Carboxymethylcellulose coating associated with essential oil can increase papaya shelf life. 2018 , 239, 70-77		26
128	Blended Gels of Sodium Carboxymethyl Cellulose Incorporating Antimicrobials for Absorbance and Wound Healing Applications. 2018 , 1-29		
127	Production and characterization of CMC-based antioxidant and antimicrobial films enriched with chickpea hull polysaccharides. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 469-477	7.9	49
126	The effect of plasticizers on the functional properties of biodegradable gelatin-based film: A review. 2018 , 24, 111-119		77
125	3D Printability of Alginate-Carboxymethyl Cellulose Hydrogel. <i>Materials</i> , 2018 , 11,	3.5	109
124	Effect of sugar on starch edible film properties: plasticized effect. <i>Journal of Food Science and Technology</i> , 2018 , 55, 3757-3766	3.3	15
123	Physicochemical properties and flavor retention ability of alkaline calcium hydroxide-mungbean starch films. <i>Carbohydrate Polymers</i> , 2018 , 198, 473-480	10.3	15
122	Studies on mechanical, thermal, and barrier properties of carboxymethyl cellulose film highly filled with nanocellulose. 2019 , 32, 995-1014		13
121	Development of antibacterial carboxymethyl cellulose/chitosan biguanidine hydrochloride edible films activated with frankincense essential oil. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 1162-1167	7.9	43
120	Corn and cassava starch with carboxymethyl cellulose films and its mechanical and hydrophobic properties. <i>Carbohydrate Polymers</i> , 2019 , 223, 115055	10.3	45

119	Effect of Bay Leaves Essential Oil Concentration on the Properties of Biodegradable Carboxymethyl Cellulose-Based Edible Films. <i>Materials</i> , 2019 , 12,	3.5	14
118	Effect of Carboxymethyl Cellulose Edible Coating Enriched with Summer Savory Extract on Quality Parameters of Spangled Emperor (Lethrinus nebulosus) Fillets During Refrigerated Storage. 2019 , 3, 149-160		1
117	Synthesis and characterization of PVA/Starch/CMC composite films reinforced with walnut (Juglans regia L.) shell flour. 2019 , 1, 1		5
116	Antioxidant activity of biocellulose-based films incorporated with powder of soursop leaves (Annona muricata L). <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 277, 012005	0.3	
115	Physical and antimicrobial properties of edible films containing Lactococcus lactis. <i>International Journal of Biological Macromolecules</i> , 2019 , 141, 378-386	7.9	27
114	Moisture Sorption Isotherms and Prediction Models of Carboxymethyl Chitosan Films from Different Sources with Various Plasticizers. 2019 , 2019, 1-18		13
113	Evaluation of Plasticizer Addition in Composite Edible Coating on Quality of Fresh-Cut Mangoes during Storage. <i>IOP Conference Series: Earth and Environmental Science</i> , 2019 , 251, 012029	0.3	2
112	Carboxymethylated starch and cellulose derivatives-based film as human skin equivalent for adhesive properties testing. <i>Carbohydrate Polymers</i> , 2019 , 222, 115014	10.3	13
111	Characterization and properties of cellulose microfibers from water hyacinth filled sago starch biocomposites. <i>International Journal of Biological Macromolecules</i> , 2019 , 137, 119-125	7.9	21
110	Synthesis and characterization of swelling properties superabsorbent Hydrogel Carboxymethylcellulose-g-Poly (Acrylic Acid)/Natrium Alginate cross-linked by gamma-ray irradiation technique. 2019 , 1171, 012011		2
109	Physically Cross-Linked Gels of PVA with Natural Polymers as Matrices for Manuka Honey Release in Wound-Care Applications. <i>Materials</i> , 2019 , 12,	3.5	28
108	Optimization of Starch Composite Edible Coating Formulation on Fresh-Cut H ujil A pple through Surface Tension, Wettability and FTIR Spectroscopy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019 , 507, 012009	0.4	2
107	Mechanical and Thermal Behavior of Canola Protein Isolate Films As Improved by Cellulose Nanocrystals. 2019 , 4, 19172-19176		4
106	Utilization of Carboxymethyl Cellulose from Durian Rind Agricultural Waste to Improve Physical Properties and Stability of Rice Starch-Based Film. 2019 , 27, 286-298		21
105	A review on versatile applications of blends and composites of CNC with natural and synthetic polymers with mathematical modeling. <i>International Journal of Biological Macromolecules</i> , 2019 , 124, 591-626	7.9	33
104	Blended Gels of Sodium Carboxymethyl Cellulose Incorporating Antimicrobials for Absorbance and Wound Healing Applications. 2019 , 1149-1176		
103	Protonic cell performance employing electrolytes based on plasticized methylcellulose-potato starch-NH4NO3. 2019 , 25, 559-572		22
102	Nanosecond laser-irradiation assisted the improvement of structural, optical and thermal properties of polyvinyl pyrrolidone/carboxymethyl cellulose blend filled with gold nanoparticles. 2019 , 30, 2693-2705		68

101 Bio-Polymeric Packaging Material for Packaging of Raw Food. **2020**, 44-51

100	Development of novel cross-linked carboxymethyl cellulose/poly(potassium 1-hydroxy acrylate): synthesis, characterization and properties. 2020 , 77, 4555-4570		5
99	Physical, mechanical, thermal and structural characteristics of nanoencapsulated vitamin E loaded carboxymethyl cellulose films. 2020 , 138, 105383		26
98	Synthesis of Carboxymethyl Starch-Bio-Based Epoxy Resin and their Impact on Mechanical Properties. 2020 , 234, 1759-1769		11
97	Study of interactions between cassava starch and peanut skin on biodegradable foams. <i>International Journal of Biological Macromolecules</i> , 2020 , 147, 1343-1353	7.9	18
96	In situ synthesis and properties of Ag NPs/carboxymethyl cellulose/starch composite films for antibacterial application. 2020 , 41, 838-847		8
95	Development and characterization of elephant foot yam starch-hydrocolloids based edible packaging film: physical, optical, thermal and barrier properties. <i>Journal of Food Science and Technology</i> , 2020 , 57, 1331-1341	3.3	14
94	Effect of AmyloseAmylopectin Ratios on Physical, Mechanical, and Thermal Properties of Starch-Based Bionanocomposite Films Incorporated with CMC and Nanoclay. <i>Starch/Staerke</i> , 2020 , 72, 1900121	2.3	14
93	Mechanical properties and antibacterial activities of novel starch-based composite films incorporated with salicylic acid. <i>International Journal of Biological Macromolecules</i> , 2020 , 155, 1350-1356	8 7.9	22
92	Optimized carboxymethyl cellulose and guanidinylated chitosan enriched with titanium oxide nanoparticles of improved UV-barrier properties for the active packaging of green bell pepper. <i>International Journal of Biological Macromolecules</i> , 2020 , 165, 1187-1197	7.9	23
91	An energy efficient production of high moisture barrier nanocellulose/carboxymethyl cellulose films via spray-deposition technique. <i>Carbohydrate Polymers</i> , 2020 , 250, 116911	10.3	12
90	Edible coatings and antimicrobial nanoemulsions for enhancing shelf life and reducing foodborne pathogens of fruits and vegetables: A review. <i>Sustainable Materials and Technologies</i> , 2020 , 26, e00215	5.3	38
89	Essential oils from Eucalyptus staigeriana F. Muell. ex Bailey and Eucalyptus urograndis W. Hill ex Maiden associated to carboxymethylcellulose coating for the control of Botrytis cinerea Pers. Fr. and Rhizopus stolonifer (Ehrenb.:Fr.) Vuill. in strawberries. <i>Industrial Crops and Products</i> , 2020 , 156, 112	5.9 884	4
88	Effect of Cellulose Nanocrystals Nanofiller on the Structure and Sorption Properties of Carboxymethyl Cellulose-Glycerol-Cellulose Nanocrystals Nanocomposite Systems. <i>Materials</i> , 2020 , 13,	3.5	7
87	Physical Properties of Carboxymethyl Cellulose from Palm Bunch and Bagasse Agricultural Wastes: Effect of Delignification with Hydrogen Peroxide. <i>Polymers</i> , 2020 , 12,	4.5	15
86	Synthesis Edible Film Chitosan/Polyethylene Glycol/ Carboxymethylcellulose with Lemongrass Oils as Insect Ovipositing Repellent. <i>Key Engineering Materials</i> , 2020 , 840, 142-148	0.4	1
85	Hydrophilic Films Based on Carboxymethylated Derivatives of Starch and Cellulose. <i>Polymers</i> , 2020 , 12,	4.5	8
84	Improvement of Postharvest Quality of Plum (L.) Using Polysaccharide-Based Edible Coatings. <i>Plants</i> , 2020 , 9,	4.5	12

83	The effects of zinc oxide nanoparticles on the physical, mechanical and antimicrobial properties of chicken skin gelatin/tapioca starch composite films in food packaging. <i>Journal of Food Science and Technology</i> , 2021 , 58, 4294-4302	3.3	5
82	Biodegradable Films Derived from Corn and Potato Starch and Study of the Effect of Silicate Extracted from Sugarcane Waste Ash. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2160-2169	4.3	10
81	Improvement of mechanical properties of orodispersible hyaluronic acid film by carboxymethyl cellulose addition. <i>Food Science and Biotechnology</i> , 2020 , 29, 1233-1239	3	6
80	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
79	Rye Flour and Cellulose Reinforced Starch Biocomposite: A Green Approach to Improve Water Vapor Permeability and Mechanical Properties. <i>Starch/Staerke</i> , 2020 , 72, 1900169	2.3	6
78	Preparation and characterization of a new edible film based on Persian gum with glycerol plasticizer. <i>Journal of Food Science and Technology</i> , 2020 , 57, 3284-3294	3.3	14
77	MgO/carboxymethyl chitosan nanocomposite improves thermal stability, waterproof and antibacterial performance for food packaging. <i>Carbohydrate Polymers</i> , 2020 , 236, 116078	10.3	41
76	Active edible sugar palm starch-chitosan films carrying extra virgin olive oil: Barrier, thermo-mechanical, antioxidant, and antimicrobial properties. <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 766-775	7.9	26
75	Physical and Antioxidant Properties of Cassava Starch-Carboxymethyl Cellulose Incorporated with Quercetin and TBHQ as Active Food Packaging. <i>Polymers</i> , 2020 , 12,	4.5	23
74	Antimicrobial activity of carboxymethyl cellulose-gelatin film containing essential oil against aflatoxin-producing molds. <i>Food Science and Nutrition</i> , 2020 , 8, 1244-1253	3.2	7
73	Preparation and Properties of Cassava Residue Cellulose Nanofibril/Cassava Starch Composite Films. <i>Nanomaterials</i> , 2020 , 10,	5.4	14
7 ²	Electrocatalytic Behavior and Determination of Amitriptyline Drug with MWCNT@Celllulose Composite Modified Glassy Carbon Electrode. <i>Materials</i> , 2020 , 13,	3.5	3
71	pH sensitive phosphate crosslinked films of starch-carboxymethyl cellulose. <i>Polymer Engineering and Science</i> , 2021 , 61, 388-396	2.3	4
70	Effect of pH on functional, gas sensing and antimicrobial properties of bio-nanocomposite gelatin film for food packaging application. <i>Journal of Food Science and Technology</i> , 2021 , 58, 3338-3345	3.3	2
69	Cellulose-Reinforced Starch Biocomposite: Optimization of the Effects of Filler and Various Plasticizers using DesignExpert Method. <i>Starch/Staerke</i> , 2021 , 73, 2000028	2.3	3
68	Interactions in N-[(2-hydroxyl)-propyl-3-trimethyl ammonium] chitosan chloride/sodium carboxymethyl cellulose based films. <i>Journal of Dispersion Science and Technology</i> , 2021 , 42, 161-172	1.5	2
67	Bio-plastic from YamAn Ecofriendly Prospective. Lecture Notes in Mechanical Engineering, 2021, 397-40.	50.4	
66	Enhanced Conductivity of Corn Starch Polymer Film Doped with Sodium Phosphate. <i>IOP Conference Series: Materials Science and Engineering</i> , 2021 , 1051, 012080	0.4	

65	Preparation and Characterization of Carboxymethyl Cellulose-Based Bioactive Composite Films Modified with Fungal Melanin and Carvacrol. <i>Polymers</i> , 2021 , 13,	4.5	9
64	Alginate/PVA/chitosan injection composites as scaffold material for nucleus pulposus regeneration. <i>IOP Conference Series: Earth and Environmental Science</i> , 2021 , 649, 012019	0.3	2
63	Upgrading Solid Digestate from Anaerobic Digestion of Agricultural Waste as Performance Enhancer for Starch-Based Mulching Biofilm. <i>Molecules</i> , 2021 , 26,	4.8	2
62	Effect of Aloe Vera Gel-Carboxymethyl Cellulose Composite Coating on the Degradation Kinetics of Cucumber. <i>Journal of Biosystems Engineering</i> , 2021 , 46, 112-128	1.1	1
61	Cassava starch-based essential oil microparticles preparations: Functionalities in mosquito control and selectivity against non-target organisms. <i>Industrial Crops and Products</i> , 2021 , 162, 113289	5.9	4
60	Antioxidant Films from Cassava Starch/Gelatin Biocomposite Fortified with Quercetin and TBHQ and Their Applications in Food Models. <i>Polymers</i> , 2021 , 13,	4.5	15
59	Starch-based edible films of improved cassava varieties Yavo and TMS reinforced with microcrystalline cellulose. <i>Heliyon</i> , 2021 , 7, e06804	3.6	2
58	Applications of carboxymethyl cellulose- and pectin-based active edible coatings in preservation of fruits and vegetables: A review. <i>Trends in Food Science and Technology</i> , 2021 , 110, 663-673	15.3	37
57	Stability of Film-Forming Dispersions: Affects the Morphology and Optical Properties of Polymeric Films. <i>Polymers</i> , 2021 , 13,	4.5	8
56	Approaches in Animal Proteins and Natural Polysaccharides Application for Food Packaging: Edible Film Production and Quality Estimation. <i>Polymers</i> , 2021 , 13,	4.5	8
55	Advantages and Disadvantages of Bioplastics Production from Starch and Lignocellulosic Components. <i>Polymers</i> , 2021 , 13,	4.5	21
54	Development and Characterization of Yeast-Incorporated Antimicrobial Cellulose Biofilms for Edible Food Packaging Application. <i>Polymers</i> , 2021 , 13,	4.5	17
53	Preparation and some Physical Characterization of Rice Starch - Carboxymethyl Cellulose as Hemostatic Film. <i>Materials Science Forum</i> , 1042, 117-122	0.4	1
52	Green Banana () Wastes to Develop an Edible Film for Food Applications. <i>Polymers</i> , 2021 , 13,	4.5	1
51	Production of oral films based on pre-gelatinized starch, CMC and HPMC for delivery of bioactive compounds extract from acerola industrial waste. <i>Industrial Crops and Products</i> , 2021 , 170, 113684	5.9	3
50	Effect of oleic acid on the release of tetrahydrocurcumin in chitosan-based films. <i>Food Hydrocolloids</i> , 2022 , 124, 107202	10.6	3
49	Carboxymethyl cellulose-coated polypropylene films containing essential oil for food preservation. 2021 , 133-147		
48	Polysaccharide-Based Films for Food Packaging Applications. <i>Materials Horizons</i> , 2019 , 183-207	0.6	3

47	Thermal stability of natural fibers and their polymer composites. <i>Iranian Polymer Journal (English Edition)</i> , 2020 , 29, 625-648	2.3	75
46	Hydroxyapatite delivery to dentine tubules using carboxymethyl cellulose dental hydrogel for treatment of dentine hypersensitivity. <i>Journal of Biomedical Science and Engineering</i> , 2013 , 06, 987-995	0.7	6
45	Properties and Application of Edible Modified Bacterial Cellulose Film Based Sago Liquid Waste as Food Packaging. <i>Polymers</i> , 2021 , 13,	4.5	1
44	CARACTERIZA 🛮 🖟 DESPECTROSC 🖁 PICA E FISICO-QU 🖟 MICA DE FILMES DE BLENDAS DE AMIDO E CARBOXIMETIL CELULOSE		
43	Evaluation of commercial arrowroot starch/CMC film for buccal drug delivery of glipizide. <i>Polimeros</i> , 2019 , 29,	1.6	1
42	Starch Cellulosic Bio-Composites. <i>Advances in Environmental Engineering and Green Technologies Book Series</i> , 2020 , 28-55	0.4	
41	Functional and Nutritional Aspects of Hydrocolloids and Lipids. 2020 , 169-189		O
40	Optimization of acetylated starch films from purple sweet potato: effect of glycerol, carboxymethylcellulose, and stearic acid. <i>Materials Research Express</i> ,	1.7	
39	The effect of carboxymethyl cellulose coating incorporated with clove oil nanoemulsion on quality of shrimp () during refrigerated storage. <i>Iranian Journal of Veterinary Research</i> , 2021 , 22, 129-135	0.7	
38	Application of functionalized carboxymethyl cellulose in development of hierarchical lamellar aluminophosphate for the industrial fabrication of wood based panels. <i>International Journal of Adhesion and Adhesives</i> , 2022 , 113, 103051	3.4	O
37	Waste Materials as a Resource for Production of CMC Superabsorbent Hydrogel for Sustainable Agriculture. <i>Polymers</i> , 2021 , 13,	4.5	О
36	Modification of release and penetration behavior of water-soluble active ingredient from ball-milled glutinous starch matrix via carboxymethylcellulose blending. <i>International Journal of Biological Macromolecules</i> , 2021 ,	7.9	1
35	Development and characterization of plant oil-incorporated carboxymethyl cellulose/bacterial cellulose/glycerol-based antimicrobial edible films for food packaging applications. <i>Advanced Composites and Hybrid Materials</i> , 1	8.7	4
34	Morphology, Mechanical, and Water Barrier Properties of Carboxymethyl Rice Starch Films: Sodium Hydroxide Effect <i>Molecules</i> , 2022 , 27,	4.8	2
33	Physicochemical properties and potential application of hemicellulose/pectin/nanocellulose biocomposites as active packaging for fatty foods. <i>Food Packaging and Shelf Life</i> , 2022 , 31, 100795	8.2	1
32	A novel phenolic compounds delivery system: Oral films with extract from camu-camu industrial residue. <i>Journal of Applied Polymer Science</i> , 2022 , 52092	2.9	
31	Synthesis, Characterization, and Optimization Studies of Starch/Chicken Gelatin Composites for Food-Packaging Applications <i>Molecules</i> , 2022 , 27,	4.8	2
30	Rheological Analysis of Bio-ink for 3D Bio-printing Processes <i>Journal of Manufacturing Processes</i> , 2022 , 76, 708-718	5	4

29	Effect of zinc oxide nanoparticles on physical properties of carboxymethyl cellulose/ poly (ethylene oxide) matrix. <i>Physica B: Condensed Matter</i> , 2022 , 633, 413771	2.8	4
28	3D Bio-Printability of Hybrid Pre-Crosslinked Hydrogels <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	1
27	Structural, optical, and dielectric characteristics of copper oxide nanoparticles loaded CMC/PEO matrix. <i>Journal of Materials Science</i> , 2022 , 57, 7556-7569	4.3	О
26	Mechanical and Physicochemical Properties of Composite Biopolymer Films Based on Carboxymethyl Cellulose from Young Palmyra Palm Fruit Husk and Rice Flour <i>Polymers</i> , 2022 , 14,	4.5	2
25	Effect of polyvinyl alcohol and carboxymethylcellulose on the technological properties of fish gelatin films. <i>Scientific Reports</i> , 2022 , 12,	4.9	О
24	Developing ethyl lauroyl arginate antimicrobial films to combat Listeria monocytogenes in cured ham. <i>Food Control</i> , 2022 , 141, 109164	6.2	О
23	Preparation and characterization of polyvinyl alcoholpiperic acid composite film for potential food packaging applications. <i>Progress in Biomaterials</i> ,	4.4	О
22	Preparation of the alginate/carrageenan/shellac films reinforced with cellulose nanocrystals obtained from enteromorpha for food packaging. <i>International Journal of Biological Macromolecules</i> , 2022 , 218, 519-532	7.9	1
21	Antibacterial Films Made of Bacterial Cellulose. 2022 , 14, 3306		О
20	Synthesis Bioplastic Fertilizer of Carboxymethyl Cellulose/N-P-K/Zeolite Using Twin-Screw Extruder as a Model Slow-Release. 928, 89-94		
19	Assessing Edible Composite Film Polymer from Potato Industry Effluent under High Hydrostatic Pressure and Its Antimicrobial Properties. 2100406		
18	The nano antibacterial composite film carboxymethyl chitosan/gelatin/nano ZnO improves the mechanical strength of food packaging. 2022 , 220, 462-471		1
17	Histological Evaluation of Cassava Starch/Chicken Gelatin Membranes. 2022, 14, 3849		О
16	Structural optimization and antibacterial property of alkylimidazole salt/carboxymethyl cellulose/starch composite films. 2022 , 298, 120098		О
15	Polysaccharide-based films: from packaging materials to functional food.		О
14	Polysaccharide Biomacromolecule Film Integrated with Lycium Ruthenicum Anthocyanins for Food Freshness Monitoring. 2200147		O
13	Recent advances in the improvement of carboxymethyl cellulose-based edible films. 2022, 129, 179-19	3	3
12	Physical, mechanical and antioxidant properties of chicken skin gelatin films incorporated with virgin coconut oil. 2022 , 45, 102525		1

11	Cellobiose elicits immunity in lettuce conferring resistance against.	О
10	Antimicrobial edible materials via nano-modifications for food safety applications. 2022 , 11, 1083-1097	Ο
9	Physico-chemical and antimicrobial characteristics of novel biodegradable films based on gellan and carboxymethyl cellulose containing rosemary essential oil. 2022 ,	О
8	The effects of Shirazi thyme (Zataria multiflora) oil nanoemulsion on the quality of shrimp (Litopenaeus vannamei) during refrigerated storage.	О
7	Carboxymethylcellulose reinforced starch films and rapid detection of spoiled beverages. 10,	О
6	Starch- and carboxymethyl cellulose-based films as active beauty masks with papain incorporation. 2023 , 123258	О
5	Microwave-Treated Physically Cross-Linked Sodium Alginate and Sodium Carboxymethyl Cellulose Blend Polymer Film for Open Incision Wound Healing in Diabetic Animals Novel Perspective for Skin Tissue Regeneration Application. 2023 , 15, 418	1
4	Synthesis and Characterization of Promising Economic Biopolymer Composite as a Clarifying Agent for Sugar Industry.	O
3	Organic Acids Modified Starch@MC Based Biodegradable Film: Antibacterial Activity, Morphological, Structural, Thermal, and Crystalline Properties. 2023 , 17, 241-257	0
2	Factors Influencing Diagnostic Success of Computed Tomography-guided Transthoracic Needle Biopsy in Intrathoracic Lesions: An Experience of a Reference Chest Disease Hospital. 2023 , 24, 14-21	O
1	Incorporation of Plants Extracts and Essential Oils into Starch-Based Films: A Comprehensive Review.	О