

Improved hydrophobicity, antibacterial and mechanical properties of poly(vinyl alcohol)/quaternary chitosan composite films for antibacterial applications

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Preparation and characterization of N-isopropyl acrylamide grafted polyvinyl alcohol and chitosan blend films with hydrophobic and antibacterial properties. <i>Reactive and Functional Polymers</i> , 2023, 188, 105604.	4.1	4
2	Facile preparation of biocompatible and antibacterial water-soluble films using polyvinyl alcohol/carboxymethyl chitosan blend fibers via centrifugal spinning. <i>Carbohydrate Polymers</i> , 2023, 317, 121062.	10.2	8
3	Improvement of Hydrophobicity and Gas Permeability of the Polyvinyl Alcohol Film Utilizing Monoglyceride Coating and Diatomaceous Earth Filling and Its Application to Fresh-Cut Mango. <i>ACS Sustainable Chemistry and Engineering</i> , 2023, 11, 10938-10949.	6.7	3
4	Effects of polyvinyl alcohol content and hydrolysis degree on the structure and properties of extruded starch-based foams. <i>Chemical Engineering Journal</i> , 2023, 472, 144959.	12.7	7
5	Superhydrophobic, photothermal, and UV-resistant coatings obtained by polydimethylsiloxane treating self-healing hydrophobic chitosan-tannic acid surface for oil/water separation. <i>Chemical Engineering Journal</i> , 2023, 473, 145258.	12.7	13
6	Study on hydroxypropyl corn starch/alkyl ketene dimer composite film with enhanced water resistance and mechanical properties. <i>International Journal of Biological Macromolecules</i> , 2023, 253, 126613.	7.5	11
7	Quaternary-ammonium chitosan, a promising packaging material in the food industry. <i>Carbohydrate Polymers</i> , 2024, 323, 121384.	10.2	3
8	Prospects of Using Chitosan-Based Biopolymers in the Treatment of Peripheral Nerve Injuries. <i>International Journal of Molecular Sciences</i> , 2023, 24, 12956.	4.1	4
9	How APTMS Acts as a Bridge to Enhance the Compatibility of the Interface between the Hydrophilic Poly(vinyl alcohol) Film and the Hydrophobic Stearic Acid Coating. <i>ACS Applied Materials & Interfaces</i> , 2023, 15, 45322-45335.	8.0	0
10	A review on smart active packaging systems for food preservation: Applications and future trends. <i>Trends in Food Science and Technology</i> , 2023, 141, 104200.	15.1	6
11	Physicochemical Characterization, Antioxidant and Antimicrobial Potential of Biodegradable Chitosan-Based Films Containing Pomegranate (<i>Punica granatum</i> L.) Peel Extract. <i>Journal of Polymers and the Environment</i> , 0, , .	5.0	0
12	Self-Assembled Biofunctionalized Chitosan-Derived Nanocomposite for Long-Lasting Antibacterial Packaging at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	0
13	Oxidative crosslinking induced self-reinforcing waterborne polyurethane with tunable structure as multi-synergistic antibacterial biomimetic composite coating. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2023, , 133054.	4.7	0
14	A chitosan derivative/phytic acid polyelectrolyte complex endowing polyvinyl alcohol film with high barrier, flame-retardant, and antibacterial effects. <i>International Journal of Biological Macromolecules</i> , 2024, 259, 129240.	7.5	0
15	Improving water resistance and mechanical properties of starch-based films by incorporating microcrystalline cellulose in a dynamic network structure. <i>International Journal of Biological Macromolecules</i> , 2024, 260, 129404.	7.5	0
16	Preparation and characterization of peach gum/chitosan polyelectrolyte composite films with dual cross-linking networks for antibacterial packaging. <i>International Journal of Biological Macromolecules</i> , 2024, 261, 129754.	7.5	0
17	Visible light-promoted anti-biofouling performance of cellulose acetate membrane for reverse osmosis desalination. <i>International Journal of Biological Macromolecules</i> , 2024, 262, 130196.	7.5	0
18	Konjac glucomannan-based nanocomposite spray coating with antimicrobial, gas barrier, UV blocking, and antioxidation for bananas preservation. <i>International Journal of Biological Macromolecules</i> , 2024, 265, 130895.	7.5	0