

Applications of chitosan in food, pharmaceuticals, medicine, textiles, pulp and paper, biotechnology, and environmental

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Mechanical and barrier properties of chitosan combined with other components as food packaging film. <i>Environmental Chemistry Letters</i> , 2020, 18, 257-267.	8.3	106
2	Mechanistic insights into controlled depolymerization of Chitosan using H-Mordenite. <i>Carbohydrate Polymers</i> , 2020, 230, 115600.	5.1	8
3	Extraction, optical properties, and aging studies of natural pigments of various flower plants. <i>Heliyon</i> , 2020, 6, e05104.	1.4	12
4	Chitosan-based biomaterials: From discovery to food application. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2408-2421.	1.6	40
5	Chitosan nanoemulsions of cold-pressed orange essential oil to preserve fruit juices. <i>International Journal of Food Microbiology</i> , 2020, 331, 108786.	2.1	34
6	Study on Preparation of a Chitosan/Vitamin C Complex and Its Properties in Cosmetics. <i>Natural Product Communications</i> , 2020, 15, 1934578X2094687.	0.2	12
7	A Mini-Review on Chitosan-Based Hydrogels with Potential for Sustainable Agricultural Applications. <i>Polymers</i> , 2020, 12, 2425.	2.0	70
8	Efficient tribological properties of azomethine-functionalized chitosan as a bio-lubricant additive in paraffin oil: experimental and theoretical analysis. <i>RSC Advances</i> , 2020, 10, 33401-33416.	1.7	32
9	Ionic liquid-assisted cellulose coating of chitosan hydrogel beads and their application as drug carriers. <i>Scientific Reports</i> , 2020, 10, 13905.	1.6	19
10	Effects of Chitosan on the Uptake of Total Calcium, Magnesium and Sodium in Peach Seedlings. <i>IOP Conference Series: Earth and Environmental Science</i> , 2020, 446, 032005.	0.2	0
11	A comprehensive review on the nanocomposites loaded with chitosan nanoparticles for food packaging. <i>Critical Reviews in Food Science and Nutrition</i> , 2022, 62, 1383-1416.	5.4	131
12	Utilization of industrial by-product fungal biomass from <i>Aspergillus niger</i> and <i>Fusarium culmorum</i> to obtain biosorbents for removal of pesticide and metal ions from aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104355.	3.3	14
13	Green polymeric nanomaterials for the photocatalytic degradation of dyes: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1569-1580.	8.3	134
14	Leveraging antibacterial efficacy of silver loaded chitosan nanoparticles on layer-by-layer self-assembled coated cotton fabric. <i>International Journal of Biological Macromolecules</i> , 2020, 162, 548-560.	3.6	42
15	Thioglycolic acid modified chitosan: a template for in-situ synthesis of CdSe QDs for cell imaging. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020, 57, 711-724.	1.2	2
16	Immobilization of enzymes and cells on lignocellulosic materials. <i>Environmental Chemistry Letters</i> , 2020, 18, 787-806.	8.3	36
17	Facile design of autogenous stimuli-responsive chitosan/hyaluronic acid nanoparticles for efficient small molecules to protein delivery. <i>Journal of Materials Chemistry B</i> , 2020, 8, 7275-7287.	2.9	18
18	Ultrasensitive detection of alpha-synuclein oligomer using a PolyD-glucosamine/gold nanoparticle/carbon-based nanomaterials modified electrochemical immunosensor in human plasma. <i>Microchemical Journal</i> , 2020, 158, 105195.	2.3	20

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19	Chilean crab (<i>Aegla cholchol</i>) as a new source of chitin and chitosan with antifungal properties against <i>Candida</i> spp. <i>International Journal of Biological Macromolecules</i> , 2020, 149, 962-975.	3.6	36
20	Extraction and characterization of chitin and chitosan from <i>Termitomyces titanicus</i> . <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	17
21	Crab vs. Mushroom: A Review of Crustacean and Fungal Chitin in Wound Treatment. <i>Marine Drugs</i> , 2020, 18, 64.	2.2	106
22	Removal of endocrine disruptors in waters by adsorption, membrane filtration and biodegradation. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1113-1143.	8.3	141
23	Effective decontamination of $^{99}\text{TcO}_4^-/\text{ReO}_4^-$ from Hanford low-activity waste by functionalized graphene oxide-chitosan sponges. <i>Environmental Chemistry Letters</i> , 2020, 18, 1379-1388.	8.3	18
24	Removal of toxic metals from water using chitosan-based magnetic adsorbents. A review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1145-1168.	8.3	89
25	Sustainable wood coatings made of epoxidized vegetable oils for ultraviolet protection. <i>Environmental Chemistry Letters</i> , 2021, 19, 307-328.	8.3	23
26	Renewable cellulosic nanocomposites for food packaging to avoid fossil fuel plastic pollution: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 613-641.	8.3	111
27	Lactate detection sensors for food, clinical and biological applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1135-1152.	8.3	46
28	Chitosan and its biomass composites in application for water treatment. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021, 29, 100429.	3.2	8
29	Back to plastic pollution in COVID times. <i>Environmental Chemistry Letters</i> , 2021, 19, 1-4.	8.3	69
30	Preparation and application of chitosan biomaterials in dentistry. <i>International Journal of Biological Macromolecules</i> , 2021, 167, 1198-1210.	3.6	55
31	Food preservation techniques and nanotechnology for increased shelf life of fruits, vegetables, beverages and spices: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1715-1735.	8.3	93
32	Effect of sodium chloride on the thermodynamic, rheological, and microstructural properties of field pea protein isolate/chitosan complex coacervates. <i>Food Chemistry</i> , 2021, 344, 128569.	4.2	18
33	Chitosan in <i>Eucalyptus grandis</i> Pyroligneous Liquor for Agricultural Application: Physicochemical and Structural Characterization During Storage. <i>Journal of Polymers and the Environment</i> , 2021, 29, 1591-1599.	2.4	2
34	Chitosan and postharvest decay of fresh fruit: Meta-analysis of disease control and antimicrobial and eliciting activities. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2021, 20, 563-582.	5.9	43
35	UV-Shielding films of bacterial cellulose with glycerol and chitosan. Part 2: Structure, water vapor permeability, spectral and thermal properties. <i>CYTA - Journal of Food</i> , 2021, 19, 115-126.	0.9	7
36	Recent Advances in Biopolymeric Composite Materials for Tissue Engineering and Regenerative Medicines: A Review. <i>Molecules</i> , 2021, 26, 619.	1.7	48

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37	Advances in Biopolymer Tribology. Composites Science and Technology, 2021, , 129-160.	0.4	0
38	UV-Shielding films of bacterial cellulose with glycerol and chitosan. Part 1: equilibrium moisture content and mechanical properties. CYTA - Journal of Food, 2021, 19, 105-114.	0.9	9
39	Remediation of Emerging Contaminants. Environmental Chemistry for A Sustainable World, 2021, , 1-106.	0.3	5
40	Phytotherapy with active tea constituents: a review. Environmental Chemistry Letters, 2021, 19, 2031-2041.	8.3	9
41	Fungal Chitosan: The Importance and Beneficiation of this Biopolymer in Industrial and Agricultural Process. , 2021, , 311-340.		2
42	Synthesis and Characterization of Methyl Acrylate-Copolymerized Medium-Chain-Length Poly-3-hydroxyalkanoates. Journal of Polymers and the Environment, 2021, 29, 3004-3014.	2.4	4
43	Nanochitin whisker enhances insecticidal activity of chemical pesticide for pest insect control and toxicity. Journal of Nanobiotechnology, 2021, 19, 49.	4.2	8
44	Extraction and characterization of chitin and chitosan from Callinectes amnicola and Penaeus notialis shell wastes. Journal of Chemical Engineering and Materials Science, 2021, 12, 1-30.	1.9	17
45	Sustainable adsorbents for the removal of pesticides from water: a review. Environmental Chemistry Letters, 2021, 19, 2425-2463.	8.3	61
46	Versatile Use of Chitosan and Hyaluronan in Medicine. Molecules, 2021, 26, 1195.	1.7	26
47	Green synthesis of xanthene and acridine-based heterocycles of pharmaceutical importance: a review. Environmental Chemistry Letters, 2021, 19, 3283-3314.	8.3	18
48	Antimicrobial Actions and Applications of Chitosan. Polymers, 2021, 13, 904.	2.0	260
49	Bio-nanocomposite Polymer Hydrogels Containing Nanoparticles for Drug Delivery: a Review. Regenerative Engineering and Translational Medicine, 2021, 7, 129-146.	1.6	41
50	A biopolymer with antimicrobial properties and plant resistance inducer against phytopathogens: Chitosan. Notulae Botanicae Horti Agrobotanici Cluj-Napoca, 2021, 49, 12231.	0.5	17
51	Identification of chitosan beads from coconut crab patani variety using Fourier Transform Infrared Spectroscopy (FTIR). Journal of Physics: Conference Series, 2021, 1832, 012014.	0.3	3
52	Fabrication of nanostructured multi-unit vehicle for intestinal-specific delivery and controlled release of peptide. Nanotechnology, 2021, 32, 245101.	1.3	7
53	Influence of Materials Properties on Bio-Physical Features and Effectiveness of 3D-Scaffolds for Periodontal Regeneration. Molecules, 2021, 26, 1643.	1.7	22
54	Green Synthesis, Structural Characterization and Photocatalytic Activities of Chitosan-ZnO Nano-composite. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 3356-3367.	1.9	13

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55	Biocoatings and additives as promising candidates for ultralow friction systems. <i>Green Chemistry Letters and Reviews</i> , 2021, 14, 358-381.	2.1	8
56	Synthesis of new chitosan Schiff base and its Fe ₂ O ₃ nanocomposite: Evaluation of methyl orange removal and antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2021, 177, 83-91.	3.6	42
57	Chitosan Natural Polymer Material for Improving Antibacterial Properties of Textiles. <i>ACS Applied Bio Materials</i> , 2021, 4, 4014-4038.	2.3	59
58	Recent Developments in Chitosan-Based Micro/Nanofibers for Sustainable Food Packaging, Smart Textiles, Cosmeceuticals, and Biomedical Applications. <i>Molecules</i> , 2021, 26, 2683.	1.7	36
59	Nano- ϵ -chitosan as an antimicrobial agent in preservative solutions for cut flowers. <i>Journal of Chemical Technology and Biotechnology</i> , 2021, 96, 2168-2175.	1.6	18
60	Oxidative stress and cyto-genotoxicity induced by poly-d-glucosamine in human blood cells <i>in vitro</i> . <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 2022, 77, 43-55.	0.6	0
61	Cleaner production alternatives for a cosmetics industry in Southern Bahia. <i>Independent Journal of Management & Production</i> , 2021, 12, 1068-1086.	0.1	0
62	Chemical and physical Chitosan modification for designing enzymatic industrial biocatalysts: How to choose the best strategy?. <i>International Journal of Biological Macromolecules</i> , 2021, 181, 1124-1170.	3.6	93
63	Nutritional aspects, flavour profile and health benefits of crab meat based novel food products and valorisation of processing waste to wealth: A review. <i>Trends in Food Science and Technology</i> , 2021, 112, 252-267.	7.8	46
64	Preparation and application of magnetic chitosan in environmental remediation and other fields: A review. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51241.	1.3	30
65	Chitosan, xanthan and locust bean gum matrices crosslinked with β -cyclodextrin as green sorbents of aromatic compounds. <i>International Journal of Biological Macromolecules</i> , 2021, 180, 570-577.	3.6	18
66	Evaluation of Chitosan Modified by Acidic Deep Eutectic Solvents in the Extraction of Flavonoids from Sea Buckthorn (<i>Hippophae Rhamnoides L.</i>) Leaves. <i>Analytical Letters</i> , 0, , 1-12.	1.0	0
67	Self-Assembled Nanogels Based on Ionic Gelation of Natural Polysaccharides for Drug Delivery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 703559.	2.0	14
68	The sunflower plant family for bioenergy, environmental remediation, nanotechnology, medicine, food and agriculture: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 3701-3726.	8.3	25
69	Simultaneous determination of molar degree of substitution and its distribution fraction, degree of acetylation in hydroxypropyl chitosan by ¹ H NMR spectroscopy. <i>Carbohydrate Polymers</i> , 2021, 263, 117950.	5.1	8
70	Dietary supplementation of chitosan affects milk performance, markers of inflammatory response and antioxidant status in dairy cows. <i>Animal Feed Science and Technology</i> , 2021, 277, 114952.	1.1	5
71	Chitosan Oligosaccharide Production Potential of <i>Mitsuaria</i> sp. C4 and Its Whole-Genome Sequencing. <i>Frontiers in Microbiology</i> , 2021, 12, 695571.	1.5	3
72	Characterizations and Antibacterial Efficacy of Chitosan Oligomers Synthesized by Microwave-Assisted Hydrogen Peroxide Oxidative Depolymerization Method for Infectious Wound Applications. <i>Materials</i> , 2021, 14, 4475.	1.3	15

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73	Magnetic chitosan nanocomposites for simultaneous hyperthermia and drug delivery applications: A review. <i>International Journal of Biological Macromolecules</i> , 2021, 184, 618-635.	3.6	27
74	Fabrication of biomass-derived polymer with dopamine and Ag nanoaggregates: Prevention of the biofilm of bacteria and catalytic degradation of organic dyes. <i>European Polymer Journal</i> , 2021, 157, 110635.	2.6	11
75	Mealworm (<i>Tenebrio molitor</i>): Potential and Challenges to Promote Circular Economy. <i>Animals</i> , 2021, 11, 2568.	1.0	28
76	A review on chitosan and chitosan-based bionanocomposites: Promising material for combatting global issues and its applications. <i>International Journal of Biological Macromolecules</i> , 2021, 185, 832-848.	3.6	158
77	Exogenous Application of Chitosan Alleviate Salinity Stress in Lettuce (<i>Lactuca sativa</i> L.). <i>Horticulturae</i> , 2021, 7, 342.	1.2	21
78	Material Function of Mycelium-Based Bio-Composite: A Review. <i>Frontiers in Materials</i> , 2021, 8, .	1.2	43
79	Eco-friendly approaches to aquaculture wastewater treatment: Assessment of natural coagulants vis-a-vis chitosan. <i>Bioresource Technology Reports</i> , 2021, 15, 100702.	1.5	26
80	Light Amplification Materials Based on Biopolymers Doped with Dye Moleculesâ€”Structural Insights from 15N and 13C Solid-State Dynamic Nuclear Polarization. <i>Journal of Physical Chemistry C</i> , 0, .	1.5	3
81	Efficiency of foliar application of zinc oxide nanoparticles versus zinc nitrate complexed with chitosan on nitrogen assimilation, photosynthetic activity, and production of green beans (<i>Phaseolus</i>) Tj ETQq0 0 QrgBT /Overlock 10 T		
82	Electrochemistry of chitosan amino-glycan and BSA protein mixture under seawater conditions. <i>Journal of Electroanalytical Chemistry</i> , 2021, 898, 115630.	1.9	3
83	Development of prediction models for adsorption properties of chitin and chitosan for micropollutants. <i>Chemical Engineering Journal</i> , 2021, 426, 131341.	6.6	25
84	A review on source-specific chemistry, functionality, and applications of chitin and chitosan. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100036.	1.6	73
85	A systematic review of physical techniques for chitosan degradation. <i>Carbohydrate Polymer Technologies and Applications</i> , 2021, 2, 100033.	1.6	21
86	Bioactive and functional biodegradable packaging films reinforced with nanoparticles. <i>Journal of Food Engineering</i> , 2022, 312, 110752.	2.7	33
87	Sustainable Fish and Seafood Production and Processing. , 2022, , 259-291.		8
88	Tannic-Acid-Cross-Linked and TiO ₂ -Nanoparticle-Reinforced Chitosan-Based Nanocomposite Film. <i>Polymers</i> , 2021, 13, 228.	2.0	56
89	Development, dynamics and control of antimicrobial-resistant bacterial biofilms: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1983-1993.	8.3	25
91	IN VITRO CYTOTOXIC ASSESSMENT OF CHITOSAN OLIGOSACCHARIDE LACTATE ON HUMAN BLOOD AND LYMPHOCYTE CELLS. EskiÅŸehir Teknik Åœeniversitesi Bilim Ve Teknoloji Dergisi - C YaÅŸam Bilimleri Ve Biyoteknoloji, 0, .	0.1	2

#	ARTICLE	IF	CITATIONS
92	Bioconversion of agri-food waste and by-products through insects: a new valorization opportunity. , 2021, , 809-828.		5
94	Recent advances in the fabrication and application of biopolymer-based micro- and nanostructures: A comprehensive review. Chemical Engineering Journal, 2020, 397, 125409.	6.6	80
95	Honeycomb-like porous chitosan films prepared <i>via</i> phase transition of poly(<i>N</i>-isopropylacrylamide) during water evaporation under ambient conditions. RSC Advances, 2020, 10, 19730-19735.	1.7	2
96	A Synergistic Effect of Chitosan and Lactic Acid Bacteria on the Control of Cruciferous Vegetable Diseases. Plant Pathology Journal, 2020, 36, 157-169.	0.7	8
97	Chitosan-Based Hydrogels for Tissue Engineering. , 2021, , 519-571.		2
98	Preparation, Characterization and Applications of Chitosan-Nanosilica-Graphene Oxide Nanocomposite. Asian Journal of Chemistry, 2021, 33, 2789-2795.	0.1	0
99	Molecularly Imprinted Chitosan-Based Thin Films with Selectivity for Nicotine Derivatives for Application as a Bio-Sensor and Filter. Polymers, 2021, 13, 3363.	2.0	4
100	The Dominance of Chitosan Hydrochloride over Modern Natural Agents or Basic Substances in Efficacy against <i>Phytophthora infestans</i> , and Its Safety for the Non-Target Model Species <i>Eisenia fetida</i> . Horticulturae, 2021, 7, 366.	1.2	5
101	Magnetic solid phase extraction based on Fe ₃ O ₄ @SiO ₂ @CTS nano adsorbent for the sensitive detection of trace polychlorinated biphenyls in environmental water samples. Microchemical Journal, 2022, 172, 106947.	2.3	9
102	Role of nanotechnology in animal production and veterinary medicine. Tropical Animal Health and Production, 2021, 53, 508.	0.5	5
103	Genipin-crosslinked chitosan/alginate/alumina nanocomposite gels for 3D bioprinting. Bioprocess and Biosystems Engineering, 2022, 45, 171-185.	1.7	10
104	Chitosan Nanoparticles at the Biological Interface: Implications for Drug Delivery. Pharmaceutics, 2021, 13, 1686.	2.0	89
105	Heterogeneous Hybrid Nanocomposite Based on Chitosan/Magnesia Hybrid Films: Ecofriendly and Recyclable Solid Catalysts for Organic Reactions. Polymers, 2021, 13, 3583.	2.0	7
106	Chitosan as a Valuable Biomolecule from Seafood Industry Waste in the Design of Green Food Packaging. Biomolecules, 2021, 11, 1599.	1.8	24
107	A Review of Various Sources of Chitin and Chitosan in Nature. Journal of Renewable Materials, 2022, 10, 1097-1123.	1.1	74
108	Potential Economic Value of Chitin and Its Derivatives as Major Biomaterials of Seafood Waste, with Particular Reference to Southeast Asia. Journal of Renewable Materials, 2022, 10, 909-938.	1.1	6
109	Chitosan mitigates the adverse effects and improves photosynthetic activity in rice (<i>Oryza</i> Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 102	0.9	15
110	Decontamination of <i>Salmonella Typhimurium</i> with chitosan and lactic acid on broiler carcasses. Ankara Universitesi Veteriner Fakultesi Dergisi, 2021, 68, 389-395.	0.4	0

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111	Sustainable thermoresponsive whey protein and chitosan based oil-in-water emulsions for cosmetic applications. <i>International Journal of Cosmetic Science</i> , 2022, 44, 30-41.	1.2	2
112	Nanobiocatalysts and photocatalyst in dye degradation. <i>ChemistrySelect</i> , 2021, .	0.7	0
113	Application of Nanomaterials to Ensure Quality and Nutritional Safety of Food. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-19.	1.5	14
114	Cloning, expression, purification and characterization of chitin deacetylase extremozyme from halophilic <i>Bacillus aryabhattai</i> B8W22. <i>3 Biotech</i> , 2021, 11, 515.	1.1	6
115	Progresses and future prospects in biodegradation of marine biopolymers and emerging biopolymer-based materials for sustainable marine ecosystems. <i>Green Chemistry</i> , 2022, 24, 1762-1779.	4.6	14
116	Removal of emerging contaminants from wastewater using advanced treatments. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 1333-1375.	8.3	124
117	Advancements in Fabrication and Application of Chitosan Composites in Implants and Dentistry: A Review. <i>Biomolecules</i> , 2022, 12, 155.	1.8	37
118	Chitosan and its derivatives: Promising biomaterial in averting fungal diseases of sugarcane and other crops. <i>Journal of Basic Microbiology</i> , 2022, 62, 533-554.	1.8	10
119	Regulatory framework in the European Union governing the use of basic substances in conventional and organic production. <i>Journal of Plant Diseases and Protection</i> , 2022, 129, 715-743.	1.6	8
120	Polysaccharides in Agro-Industrial Biomass Residues. <i>Polysaccharides</i> , 2022, 3, 95-120.	2.1	22
121	Biocontrol Potential of Chitin and Chitosan Extracted from Black Soldier Fly Pupal Exuviae against Bacterial Wilt of Tomato. <i>Microorganisms</i> , 2022, 10, 165.	1.6	20
122	Surface modification of film chitosan materials with aldehydes for wettability and biodegradation control. <i>Polymer Bulletin</i> , 2023, 80, 739-756.	1.7	6
123	General Characteristics, Biomedical and Dental Application, and Usage of Chitosan in the Treatment of Temporomandibular Joint Disorders: A Narrative Review. <i>Pharmaceutics</i> , 2022, 14, 305.	2.0	5
124	Nano-biosorbents for contaminant removal: An introduction. , 2022, , 3-28.		3
125	Sweat-Permeable, Biodegradable, Transparent and Self-powered Chitosan-Based Electronic Skin with Ultrathin Elastic Gold Nanofibers. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	80
126	Chitosan immobilised granular FeOOH-MnxOy bimetal-oxides nanocomposite for the adsorptive removal of lead from water. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107353.	3.3	10
129	Enzymatic Production of Different Types of Chitooligosaccharides. , 2022, , 27-57.		1
130	Chitosan Oligosaccharide-Based Nanoparticle Delivery Systems for Medical Applications. , 2022, , 157-171.		0

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131	Dispersive micro solid-phase extraction as a green procedure for extracting prostate anti-cancer drugs in real water and biological samples and optimization of sorbent composite with an optimal mixture design. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-20.	1.8	17
132	Sustainable Macromolecular Materials in Flexible Electronics. <i>Macromolecular Materials and Engineering</i> , 2022, 307, .	1.7	4
134	Synthesis, characterization and application of chitosan conjugated heterocyclic compounds. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	6
135	Application of nanotechnology in different aspects of the food industry. , 2022, 2, 1.		25
136	Bioprospecting of microbial enzymes: current trends in industry and healthcare. <i>Applied Microbiology and Biotechnology</i> , 2022, 106, 1813-1835.	1.7	18
137	Astaxanthin from Crustaceans and Their Byproducts: A Bioactive Metabolite Candidate for Therapeutic Application. <i>Marine Drugs</i> , 2022, 20, 206.	2.2	27
138	Chitosanâ€sodium alginate-collagen/gelatin three-dimensional edible scaffolds for building a structured model for cell cultured meat. <i>International Journal of Biological Macromolecules</i> , 2022, 209, 668-679.	3.6	31
139	Green synthesis and chemometric characterization of hydrophobic xanthan matrices: Interactions with phenolic compounds. <i>Carbohydrate Polymers</i> , 2022, 288, 119387.	5.1	6
140	¹³ Irradiated Chitosan Mediates Enhanced Synthesis and Antimicrobial Properties of Chitosanâ€Silver (Ag) Nanocomposites. <i>ACS Omega</i> , 2021, 6, 34812-34822.	1.6	11
141	Systems for Muscle Cell Differentiation: From Bioengineering to Future Food. <i>Micromachines</i> , 2022, 13, 71.	1.4	14
142	Chitosan and Whey Protein Bio-Inks for 3D and 4D Printing Applications with Particular Focus on Food Industry. <i>Molecules</i> , 2022, 27, 173.	1.7	9
143	Comparison of the Antimicrobial and Antioxidant Efficacy of Viscose Treated with Various Natural Compounds for Medical Use. <i>Fibres and Textiles in Eastern Europe</i> , 2020, 28, 85-88.	0.2	1
144	Nanotechnology-based controlled release of sustainable fertilizers. A review. <i>Environmental Chemistry Letters</i> , 2022, 20, 2709-2726.	8.3	42
145	Toxicity Assessment and Control of Early Blight and Stem Rot of <i>Solanum tuberosum</i> L. by Mancozeb-Loaded Chitosanâ€Gum Acacia Nanocomposites. <i>Journal of Xenobiotics</i> , 2022, 12, 74-90.	2.9	16
146	Chitosan-based materials: Preparation, modification and application. <i>Journal of Cleaner Production</i> , 2022, 355, 131825.	4.6	139
147	Interactions of water-soluble myofibrillar protein with chitosan: Phase behavior, microstructure and rheological properties. <i>Innovative Food Science and Emerging Technologies</i> , 2022, 78, 103013.	2.7	18
148	Biopolymer-supported TiO ₂ as a sustainable photocatalyst for wastewater treatment: a review. <i>Environmental Chemistry Letters</i> , 2022, 20, 3071-3098.	8.3	50
149	Protective, Biostimulating, and Eliciting Effects of Chitosan and Its Derivatives on Crop Plants. <i>Molecules</i> , 2022, 27, 2801.	1.7	45

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150	Synthesis of β -Aminobutyric Acid-Modified Chitoooligosaccharide Derivative and Enhancing Salt Resistance of Wheat Seedlings. <i>Molecules</i> , 2022, 27, 3068.	1.7	2
151	Novel magnetic carboxymethylcellulose/chitosan bio-nanocomposites for smart co-delivery of sunitinib malate anticancer compound and saffron extract. <i>Polymer International</i> , 2022, 71, 1243-1251.	1.6	10
152	Advances in nanomaterials for phosphates removal from water and wastewater: a review. <i>Nanotechnology for Environmental Engineering</i> , 2022, 7, 609-634.	2.0	4
153	Studies on Intermolecular Interaction of N-Glycidyltrimethyl Ammonium Chloride Modified Chitosan/N,N-Dimethyl-N-dodecyl-N-(2,3-epoxy propyl) Ammonium Chloride and Curcumin Delivery. <i>Polymers</i> , 2022, 14, 1936.	2.0	0
154	Synergistic effects of UV-C light in combination with chitosan nanoparticles against foodborne pathogens in pomegranate juice with enhancement of its health-related components. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	0.9	2
155	Antibiotics-Free Compounds for Chronic Wound Healing. <i>Pharmaceutics</i> , 2022, 14, 1021.	2.0	9
156	Dietary Chitosan Supplementation Improved Egg Production and Antioxidative Function in Laying Breeders. <i>Animals</i> , 2022, 12, 1225.	1.0	5
157	A feasible approach to tune the interaction of chitosan with sodium dodecyl sulfate. <i>Carbohydrate Polymers</i> , 2022, 292, 119642.	5.1	1
158	Biosynthesis of Highly Porous Ag/Bi/SnO ₂ Nanohybrid Material Using Seeds Extract of Ceasalpinia Bonduc and Their Photocatalytic Activity. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
159	Chitosan Microspheres-Based Controlled Release Nitrogen Fertilizer Enhance the Growth, Antioxidant and Metabolite Contents of Chinese Cabbage. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
160	Multiple Roles of Chitosan in Mucosal Drug Delivery: An Updated Review. <i>Marine Drugs</i> , 2022, 20, 335.	2.2	40
161	Nanochitin: Chemistry, Structure, Assembly, and Applications. <i>Chemical Reviews</i> , 2022, 122, 11604-11674.	23.0	102
162	Chitosan biomolecules-modified graphene oxide nano-layers decorated by mesoporous ZIF-9 nanocrystals for the construction of a smart/pH-triggered anti-corrosion coating system. <i>Journal of Industrial and Engineering Chemistry</i> , 2023, 121, 45-62.	2.9	3
163	Recent advances of chitosan-based polymers in biomedical applications and environmental protection. <i>Journal of Polymer Research</i> , 2022, 29, .	1.2	37
164	Extraction, characterization, and kinetics of N-deacetylation of chitin obtained from mud crab shells. <i>Polymers and Polymer Composites</i> , 2022, 30, 096739112211096.	1.0	4
165	The Optical and Antibacterial Disparity of PVP/PVA/Chitosan Polymer Blend Injected by Green Synthesized and Laser Ablated Silver Nanoparticles. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0
166	Investigation of Hydroxyapatite-Entrenched Cerium Organic Frameworks Incorporating Biopolymeric Beads for Efficient Fluoride Removal. <i>Industrial & Engineering Chemistry Research</i> , 2022, 61, 7911-7925.	1.8	19
167	Chitosan: Applications in Drug Delivery System. <i>Mini-Reviews in Medicinal Chemistry</i> , 2023, 23, 187-191.	1.1	5

#	ARTICLE	IF	CITATIONS
168	Defluoridation using hydroxyapatite implanted lanthanum organic framework-based bio-hybrid beads. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 2107-2120.	1.9	13
169	Chitosan. , 2022, , 131-153.		0
170	Role of chitosan in eco-friendly management of plant diseases for sustainable agriculture. , 2022, , 219-244.		0
171	The period of application: From 1970 until now. , 2022, , 125-148.		0
173	Chitin and chitosan: Production, properties, and applications. , 2022, , 149-207.		8
174	Biopolymeric nanoparticles based effective delivery of bioactive compounds toward the sustainable development of anticancerous therapeutics. <i>Frontiers in Nutrition</i> , 0, 9, .	1.6	10
175	Biopolymeric sustainable materials and their emerging applications. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108159.	3.3	106
176	Biopolymers from waste biomass and its applications in the cosmetic industry: A review. <i>Materials Today: Proceedings</i> , 2022, 68, 873-879.	0.9	10
177	Regiospecific Grafting of Chitosan Oligomers Brushes onto Silicon Wafers. <i>International Journal of Molecular Sciences</i> , 2022, 23, 8013.	1.8	1
178	Production of medium-sized chitosan oligomers using molecular sieves and their antibacterial activity. <i>Carbohydrate Polymers</i> , 2022, 295, 119889.	5.1	1
179	Porous chitosan-based nanocomposites containing gold nanoparticles. Increasing the catalytic performance through film porosity. <i>International Journal of Biological Macromolecules</i> , 2022, 217, 864-877.	3.6	1
180	Impact of chitosan and chitosan based nanoparticles on plants growth and development. , 2022, , 255-271.		0
181	Rheological investigation of polymer hydrogels for industrial application: a review. <i>International Journal of Polymer Analysis and Characterization</i> , 0, , 1-16.	0.9	3
182	Chitosan-Based Amphiphilic Compound Synthesis and Its Use as an Asphaltene Dispersant and Viscosity Modifier. <i>Waste and Biomass Valorization</i> , 0, , .	1.8	1
183	Emerging chitosan grafted essential oil components: A review on synthesis, characterization, and potential application. <i>Carbohydrate Polymers</i> , 2022, 297, 120011.	5.1	17
184	Customizing nano-chitosan for sustainable drug delivery. <i>Journal of Controlled Release</i> , 2022, 350, 175-192.	4.8	94
185	Biosynthesis of highly porous Ag/Bi/SnO ₂ nanohybrid material using seeds extract of <i>Caesalpinia bonduc</i> and their photocatalytic activity. <i>Physica B: Condensed Matter</i> , 2022, 644, 414209.	1.3	8
186	Effect of molecular structure and ionization state on aggregation of carboxymethyl chitosan: A molecular dynamics study. <i>Carbohydrate Polymers</i> , 2022, 297, 119993.	5.1	7

#	ARTICLE	IF	CITATIONS
187	Effect of various metal-based halloysite nanotubes for the catalytic degradation of chitosan to low molecular weight chitosan. <i>Materials Today Communications</i> , 2022, 33, 104198.	0.9	2
188	Chitosan microspheres-based controlled release nitrogen fertilizers enhance the growth, antioxidant, and metabolite contents of Chinese cabbage. <i>Scientia Horticulturae</i> , 2023, 308, 111542.	1.7	9
189	Current and future prospects of chitosan-based nanomaterials in plant protection and growth. , 2022, , 143-163.		3
190	Chapter 3. Optimizing the Current Type 2 Diabetes Antidiabetics with Nanotechnologies: Where Do We Stand?. <i>RSC Nanoscience and Nanotechnology</i> , 2022, , 92-112.	0.2	0
191	Progress and challenges of insects as food and feed. , 2022, , 533-557.		3
192	Formulation of Food-Grade Grease Using Paraffin Oil, Fumed Silica, and Chitosan. <i>Materials Science Forum</i> , 0, 1069, 211-218.	0.3	0
193	Graphene and chitosan innovative materials for water treatment: Review. <i>Materials Today: Proceedings</i> , 2023, 72, 3577-3588.	0.9	1
194	Identification of Metabolites with Antibacterial Activities by Analyzing the FTIR Spectra of Microalgae. <i>Life</i> , 2022, 12, 1395.	1.1	7
195	Effectiveness of foliar application of biostimulants and nanoparticles on growth, nitrogen assimilation and nutritional content in green bean. <i>Notulae Scientia Biologicae</i> , 2022, 14, 11261.	0.1	2
196	Assessment of the Effects of Chitosan, Chitooligosaccharides and Their Derivatives on <i>Lemna minor</i> . <i>Molecules</i> , 2022, 27, 6123.	1.7	6
197	Recent Advances of Chitosan Formulations in Biomedical Applications. <i>International Journal of Molecular Sciences</i> , 2022, 23, 10975.	1.8	49
198	A comparison of silver nanoparticles made by green chemistry and femtosecond laser ablation and injected into a PVP/PVA/chitosan polymer blend. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 23174-23186.	1.1	10
199	The possibility of angiogenesis inhibition in cutaneous melanoma by bevacizumab-loaded lipid-chitosan nanoparticles. <i>Drug Delivery and Translational Research</i> , 2023, 13, 568-579.	3.0	3
200	Chitosan: A Promising Multifunctional Cosmetic Ingredient for Skin and Hair Care. <i>Cosmetics</i> , 2022, 9, 99.	1.5	26
201	Continuous Preparation of Chitosan-Based Self-Powered Sensing Fibers Recycled from Wasted Materials for Smart Home Applications. <i>Advanced Fiber Materials</i> , 2022, 4, 1584-1594.	7.9	18
202	Hydrophilic Chitosan Derivatives: Synthesis and Applications. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	14
203	Evaluation of the Chemical, Morphological, Physical, Mechanical, and Biological Properties of Chitosan/Polyvinyl Alcohol Nanofibrous Scaffolds for Potential Use in Oral Tissue Engineering. <i>Cureus</i> , 2022, , .	0.2	2
204	Update on modified chitosan frameworks and their applications for food, wastewater, toxic heavy metals, dyes treatment and cancer drug delivery. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 108656.	3.3	8

#	ARTICLE	IF	CITATIONS
205	Performance Chitosan Membranes to Filter Humic Acid (HA) Waste from Aquatic Environment. Journal of Physics: Conference Series, 2022, 2344, 012011.	0.3	2
206	Carbohydrate Polymer-Based Targeted Pharmaceutical Formulations for Colorectal Cancer: Systematic Review of the Literature. Polysaccharides, 2022, 3, 692-714.	2.1	2
207	A Comparative Density Functional Theory Study of Hydrogen Storage in Cellulose and Chitosan Functionalized by Transition Metals (Ti, Mg, and Nb). Materials, 2022, 15, 7573.	1.3	1
208	Mechanical Amorphization of Chitosan with Different Molecular Weights. Polymers, 2022, 14, 4438.	2.0	12
209	A novel adsorption process for the removal of salt and dye from saline textile industrial wastewater using a three-stage reactor with surface modified adsorbents. Journal of Environmental Chemical Engineering, 2022, 10, 108729.	3.3	7
210	Nanocomplex of quaternized cyclodextrin grafted chitosan and hyaluronic acid for a skin delivery. Colloids and Surfaces B: Biointerfaces, 2022, 220, 112920.	2.5	4
211	Derivation of composites of chitosan-nanoparticles from crustaceans source for nanomedicine: A mini review. Biomedical Engineering Advances, 2022, 4, 100058.	2.2	13
212	Recent Progress in Biopolymer-based Delivery Systems and Coatings for Improving Stability, Bioavailability and Efficacy of Nutraceutical Products. RSC Polymer Chemistry Series, 2022, , 36-53.	0.1	0
213	Physicochemical Properties, Characterizations, and Quantitative Analysis of Biopolymer-based Functional Foods and Nutraceuticals on an Industrial Scale. RSC Polymer Chemistry Series, 2022, , 264-305.	0.1	0
214	The significance of cephalopod beaks as a research tool: An update. Frontiers in Physiology, 0, 13, .	1.3	10
215	Effects of Chitosan Coatings on Controlling <i>Listeria monocytogenes</i> and Methicillin-Resistant <i>Staphylococcus aureus</i> in Beef and Mutton Cuts. Applied Sciences (Switzerland), 2022, 12, 11345.	1.3	6
216	<scp>DMTMMâ€mediated</scp> grafting reaction of glucuronic acid on chitosan. Journal of Applied Polymer Science, 0, , .	1.3	0
217	High content chitosan-based materials with high performance properties. International Journal of Biological Macromolecules, 2022, 223, 263-272.	3.6	6
218	Review on the Importance of Chitosan in Different Pharmaceutical Applications. Current Applied Polymer Science, 2022, 5, 173-189.	0.2	0
219	Innovative edible coatings for postharvest storage of sweet cherries. Scientia Horticulturae, 2023, 310, 111738.	1.7	7
220	Chitosan-based coatings with tunable transparency and superhydrophobicity: A solvent-free and fluorine-free approach by stearoyl derivatization. Carbohydrate Polymers, 2023, 302, 120424.	5.1	13
221	Complexation of oligochitosan with sodium caseinate in alkaline and weakly acidic media. Carbohydrate Polymers, 2023, 302, 120391.	5.1	4
222	Quaternized chitosan/chitosan nanofibrous mats: An approach toward bioactive materials for tissue engineering and regenerative medicine. Carbohydrate Polymers, 2023, 302, 120431.	5.1	20

#	ARTICLE	IF	CITATIONS
223	Effect of naproxen on the model lipid membrane formed on the water-chitosan subphase. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2023, 1865, 184099.	1.4	1
224	Behavior of Calcium Phosphate-Chitosan-Collagen Composite Coating on AISI 304 for Orthopedic Applications. <i>Polymers</i> , 2022, 14, 5108.	2.0	3
225	Recent advances in extraction of chitin and chitosan. <i>World Journal of Microbiology and Biotechnology</i> , 2023, 39, .	1.7	19
226	Green Materials for Radiation Shielding: An Overview. , 2023, , 299-336.		1
227	The Variety of Applications of <i>Hermetia illucens</i> in Industrial and Agricultural Areas-Review. <i>Biology</i> , 2023, 12, 25.	1.3	8
228	Gelatin and Chitosan as Meat By-Products and Their Recent Applications. <i>Foods</i> , 2023, 12, 60.	1.9	5
229	Biopolymer-Based Nanosystems for siRNA Drug Delivery to Solid Tumors including Breast Cancer. <i>Pharmaceutics</i> , 2023, 15, 153.	2.0	2
230	Chitosan Superabsorbent Biopolymers in Sanitary and Hygiene Applications. <i>International Journal of Polymer Science</i> , 2023, 2023, 1-14.	1.2	12
231	Chitosan-Based Polymer Nanocomposites for Environmental Remediation of Mercury Pollution. <i>Polymers</i> , 2023, 15, 482.	2.0	17
232	Recent advances in TiO ₂ /ZnS-based binary and ternary photocatalysts for the degradation of organic pollutants. <i>Science of the Total Environment</i> , 2023, 868, 161525.	3.9	43
233	Study on the Skin Hydration and Trans Epidermal Water Loss of Aloe Viscose Seamless Knitted Fabric for Autumn and Winter. <i>Materials</i> , 2023, 16, 212.	1.3	1
234	Antimicrobial potential of protein-based bioplastics. , 2023, , 313-353.		0
235	Chitosan as an Outstanding Polysaccharide Improving Health-Commodities of Humans and Environmental Protection. <i>Polymers</i> , 2023, 15, 526.	2.0	20
236	Lessons on fruiting body morphogenesis from genomes and transcriptomes of <i>Agaricomycetes</i> . <i>Studies in Mycology</i> , 2023, 104, 1-85.	4.5	9
237	Green antibacterial and antifungal smart coating. , 2023, , 541-569.		0
238	Algae and bacteria consortia for wastewater decontamination and transformation into biodiesel, bioethanol, biohydrogen, biofertilizers and animal feed: a review. <i>Environmental Chemistry Letters</i> , 2023, 21, 1585-1609.	8.3	12
239	Chitosan and chitosan derivatives: Recent advancements in production and applications in environmental remediation. <i>Environmental Advances</i> , 2023, 11, 100351.	2.2	16
240	Organic-soluble chitosan-g-PHMA (PEMA/PBMA)-bodipy fluorescent probes and film by RAFT method for selective detection of Hg ²⁺ /Hg ⁺ ions. <i>International Journal of Biological Macromolecules</i> , 2023, 237, 124255.	3.6	4

#	ARTICLE	IF	CITATIONS
241	Chitosan/silk fibroin/nitrogen-doped carbon quantum dot/ β -tricalcium phosphate nanocomposite electrospun as a scaffold for wound healing application: In vitro and in vivo studies. <i>International Journal of Biological Macromolecules</i> , 2023, 238, 124078.	3.6	14
242	N-doped highly microporous carbon derived from the self-assembled lignin/chitosan composites beads for selective CO ₂ capture and efficient p-nitrophenol adsorption. <i>Separation and Purification Technology</i> , 2023, 313, 123440.	3.9	14
243	Optimization of chitosan coagulant from dry legs of giant freshwater prawn, <i>Macrobrachium rosenbergii</i> in aquaculture wastewater treatment using response surface methodology (RSM). <i>Journal of Environmental Chemical Engineering</i> , 2023, 11, 109761.	3.3	5
244	Recent advances in biodegradable polymers – Properties, applications and future prospects. <i>European Polymer Journal</i> , 2023, 192, 112068.	2.6	29
245	Synthesis and antibacterial analysis of C-6 amino-functionalised chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2023, 240, 124278.	3.6	4
246	From the problem to the solution: Chitosan valorization cycle. <i>Carbohydrate Polymers</i> , 2023, 309, 120674.	5.1	12
247	Effect of starch type and chitosan supplementation on physicochemical properties, morphology, and oil structuring capacity of composite starch bioaerogels. <i>Food Hydrocolloids</i> , 2023, 141, 108637.	5.6	8
248	Preparation of highly stable and ultrasoft chemically grafted thin films of chitosan. <i>Soft Matter</i> , 2023, 19, 1606-1616.	1.2	2
249	Chitin and Chitosan as Polymers of the Future – Obtaining, Modification, Life Cycle Assessment and Main Directions of Application. <i>Polymers</i> , 2023, 15, 793.	2.0	32
250	Preparation, characterization, and evaluation of antibacterial and cytotoxic activity of chitosan-polyethylene glycol nanoparticles loaded with amoxicillin as a novel drug delivery system. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2023, 34, 1660-1682.	1.9	1
252	Dyeing Behavior of Enzyme and Chitosan-Modified Polyester and Estimation of Colorimetry Parameters Using Random Forests. <i>Fibers and Polymers</i> , 2023, 24, 221-241.	1.1	1
253	A study on the recovery and characterization of suspended solid from aquaculture wastewater through coagulation/flocculation using chitosan and its viability as organic fertilizer. <i>Journal of Agriculture and Food Research</i> , 2023, 11, 100532.	1.2	0
254	Biomedical Applications of Chitin. , 2023, , 1-28.		0
255	Valorisation of crustacean and bivalve processing side streams for industrial fast time-to-market products: A review from the European Union regulation perspective. <i>Frontiers in Marine Science</i> , 0, 10, .	1.2	4
256	Chitosan-Based Biomaterials for Tissue Regeneration. <i>Pharmaceutics</i> , 2023, 15, 807.	2.0	35
257	Recent Advances in Chitosan-Based Applications – A Review. <i>Materials</i> , 2023, 16, 2073.	1.3	39
258	Application of depolymerized chitosan in crop production: A review. <i>International Journal of Biological Macromolecules</i> , 2023, 235, 123858.	3.6	8
259	Insect-Derived Chitin and Chitosan: A Still Unexploited Resource for the Edible Insect Sector. <i>Sustainability</i> , 2023, 15, 4864.	1.6	12

#	ARTICLE	IF	CITATIONS
260	Marine Natural Products as Innovative Cosmetic Ingredients. <i>Marine Drugs</i> , 2023, 21, 170.	2.2	15
261	Enhanced adsorption of cationic and anionic dyes using cigarette butt-based adsorbents: Insights into mechanism, kinetics, isotherms, and thermodynamics. <i>Korean Journal of Chemical Engineering</i> , 2023, 40, 1650-1660.	1.2	3
262	Polyols and Polyurethane Foams Based on Water-Soluble Chitosan. <i>Polymers</i> , 2023, 15, 1488.	2.0	4
263	Cytotoxicity and biocompatibility of biobased materials. , 2023, , 533-547.		0
264	Application of nanochitosan and polymeric chitosan as antibacterial, antiviral and antifungal activities when incorporated into aquatic and animal-based food materials. , 2023, , 401-420.		0
265	Utilization of chitosan-based complexes for effective immunomodulators of fish and crustaceans. , 2023, , 363-372.		0
266	Biobased materials in dentistry. , 2023, , 331-347.		0
267	Platinum(IV)-Loaded Degraded Glycol Chitosan as Efficient Platinum(IV) Drug Delivery Platform. <i>Pharmaceutics</i> , 2023, 15, 1050.	2.0	2
268	Edible mushrooms: Functional foods or functional ingredients? A focus on <i>Pleurotus</i> spp.. <i>AIMS Agriculture and Food</i> , 2023, 8, 391-439.	0.8	0
269	Effect of Environment on Acetylated Cellulose Nanocrystal-Reinforced Biopolymers Films. <i>Polymers</i> , 2023, 15, 1663.	2.0	0
270	Collagen, protein hydrolysates and chitin from by-products of fish and shellfish: An overview. <i>Heliyon</i> , 2023, 9, e14937.	1.4	12
271	Mechanism of Heterogeneous Alkaline Deacetylation of Chitin: A Review. <i>Polymers</i> , 2023, 15, 1729.	2.0	6
272	Fabrication of Naturally Derived Chitosan and Ilmenite Sand-Based TiO ₂ /Fe ₂ O ₃ /Fe-N-Doped Graphitic Carbon Composite for Photocatalytic Degradation of Methylene Blue under Sunlight. <i>Molecules</i> , 2023, 28, 3154.	1.7	2
273	Bioplastics from waste biomass of marine and poultry industries. <i>Journal of Biosciences</i> , 2023, 48, .	0.5	9
274	Modelling climate variabilities and global rice production: A panel regression and time series analysis. <i>Heliyon</i> , 2023, 9, e15480.	1.4	3
275	Benzoxaborole-grafted high molecular weight chitosan from prawn: Synthesis, characterization, target recognition and antibacterial properties. <i>Carbohydrate Polymers</i> , 2023, 316, 120925.	5.1	0
276	Novel benzydamine hydrochloride and chlorhexidine gluconate loaded bioadhesive films for local treatment of buccal infections. <i>Journal of Drug Delivery Science and Technology</i> , 2023, 84, 104497.	1.4	2
278	Biomedical Applications of Chitin. , 2023, , 685-712.		0

#	ARTICLE	IF	CITATIONS
280	Is Marine Waste a Boon or Bane? An Insight on Its Source, Production, Disposal Consequences, and Utilization. , 2023, , 231-250.		0
300	Advances in electrospun chitosan nanofiber biomaterials for biomedical applications. Materials Advances, 2023, 4, 3114-3139.	2.6	3
313	Recycling food and agriculture by-products to mitigate climate change: a review. Environmental Chemistry Letters, 2023, 21, 3351-3375.	8.3	8
323	Physico-chemical challenges on the self-assembly of natural and bio-based ingredients on hair surfaces: towards sustainable haircare formulations. Green Chemistry, 2023, 25, 7863-7882.	4.6	3
333	Chitosan-based bionanocomposites: Synthesis, properties, and applications. , 2024, , 133-168.		0
335	The protective efficacy of Aloe vera gel against leukopenia and thrombocytopenia caused by (methotrexate and azathioprine) drugs. AIP Conference Proceedings, 2023, , .	0.3	0
345	Chitosan/metal organic frameworks for environmental, energy, and bio-medical applications: a review. Materials Advances, 2023, 4, 5920-5947.	2.6	3
357	A critical review on the fabrication of chitosan films from marine wastes. Polymer Bulletin, 0, , .	1.7	0
372	Sustainable Bioplastics Derived from Renewable Nanofillers for Food Packaging. , 2024, , 1-29.		0
375	Biosorption process for antibiotics removal. , 2024, , 369-458.		0
381	Pharmaceutical polymers in conventional dosage forms. , 2024, , 153-198.		0
388	A comprehensive review on chitosan based bionanocomposites: Enormous potential for biodegradable food packaging applications of future. AIP Conference Proceedings, 2024, , .	0.3	0
394	Application of Nanoparticles to Enhance the Microbial Quality and Shelf Life of Food Products. , 2024, , 75-102.		0
398	Chitosan-based nanomaterials: structure, characterization, and applications. , 2024, , 47-71.		0
399	Economic and Social Implications of Nanochitosan. , 2024, , 281-300.		0
401	Applications of Nanochitosan in Fish Disease Management. , 2024, , 139-157.		0