

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

Environmental Chemistry Letters

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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.	16.2	106
2	Mechanistic insights into controlled depolymerization of Chitosan using H-Mordenite. <i>Carbohydrate Polymers</i> , 2020, 230, 115600.	10.2	8
3	Extraction, optical properties, and aging studies of natural pigments of various flower plants. <i>Heliyon</i> , 2020, 6, e05104.	3.2	12
4	Chitosan-based biomaterials: From discovery to food application. <i>Polymers for Advanced Technologies</i> , 2020, 31, 2408-2421.	3.2	40
5	Chitosan nanoemulsions of cold-pressed orange essential oil to preserve fruit juices. <i>International Journal of Food Microbiology</i> , 2020, 331, 108786.	4.7	34
6	Study on Preparation of a Chitosan/Vitamin C Complex and Its Properties in Cosmetics. <i>Natural Product Communications</i> , 2020, 15, 1934578X2094687.	0.5	12
7	A Mini-Review on Chitosan-Based Hydrogels with Potential for Sustainable Agricultural Applications. <i>Polymers</i> , 2020, 12, 2425.	4.5	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.	3.6	32
9	Ionic liquid-assisted cellulose coating of chitosan hydrogel beads and their application as drug carriers. <i>Scientific Reports</i> , 2020, 10, 13905.	3.3	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.	0.3	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.	10.3	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.	6.7	14
13	Green polymeric nanomaterials for the photocatalytic degradation of dyes: a review. <i>Environmental Chemistry Letters</i> , 2020, 18, 1569-1580.	16.2	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.	7.5	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.	2.2	2
16	Immobilization of enzymes and cells on lignocellulosic materials. <i>Environmental Chemistry Letters</i> , 2020, 18, 787-806.	16.2	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.	5.8	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.	4.5	20

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20	Extraction and characterization of chitin and chitosan from <i>Termitomyces titanicus</i> . <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	17
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25	Sustainable wood coatings made of epoxidized vegetable oils for ultraviolet protection. <i>Environmental Chemistry Letters</i> , 2021, 19, 307-328.	16.2	23
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27	Lactate detection sensors for food, clinical and biological applications: a review. <i>Environmental Chemistry Letters</i> , 2021, 19, 1135-1152.	16.2	46
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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.	1.9	7
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