

# Francisco M Goycoolea

## List of Publications by Year in descending order

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153  
papers

7,799  
citations

57631

44  
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58464

82  
g-index

160  
all docs

160  
docs citations

160  
times ranked

10369  
citing authors

#	ARTICLE	IF	CITATIONS
1	An infrared investigation in relation with chitin and chitosan characterization. <i>Polymer</i> , 2001, 42, 3569-3580.	1.8	1,132
2	Astaxanthin: A Review of its Chemistry and Applications. <i>Critical Reviews in Food Science and Nutrition</i> , 2006, 46, 185-196.	5.4	981
3	Chitosan-Alginate Blended Nanoparticles as Carriers for the Transmucosal Delivery of Macromolecules. <i>Biomacromolecules</i> , 2009, 10, 1736-1743.	2.6	210
4	Parameters influencing the size of chitosan-TPP nano- and microparticles. <i>Scientific Reports</i> , 2018, 8, 4695.	1.6	190
5	Effect of chitosan coating in preventing deterioration and preserving the quality of fresh-cut papaya "Maradol". <i>Journal of the Science of Food and Agriculture</i> , 2009, 89, 15-23.	1.7	162
6	Microencapsulation of astaxanthin in a chitosan matrix. <i>Carbohydrate Polymers</i> , 2004, 56, 41-45.	5.1	142
7	Structure of Chitosan Determines Its Interactions with Mucin. <i>Biomacromolecules</i> , 2014, 15, 3550-3558.	2.6	134
8	Antibacterial and free-radical scavenging activities of Sonoran propolis. <i>Journal of Applied Microbiology</i> , 2007, 103, 1747-1756.	1.4	131
9	On the gelling behaviour of "nopala" (Opuntia ficus indica) low methoxyl pectin. <i>Carbohydrate Polymers</i> , 2008, 73, 212-222.	5.1	116
10	Viscosity of galactomannans at alkaline and neutral pH: evidence of "hyperentanglement" in solution. <i>Carbohydrate Polymers</i> , 1995, 27, 69-71.	5.1	115
11	Stoichiometry and Conformation of Xanthan in Synergistic Gelation with Locust Bean Gum or Konjac Glucomannan: Evidence for Heterotypic Binding. <i>Macromolecules</i> , 1995, 28, 8308-8320.	2.2	105
12	Physicochemical and biological characterization of chitosan-microRNA nanocomplexes for gene delivery to MCF-7 breast cancer cells. <i>Scientific Reports</i> , 2015, 5, 13567.	1.6	93
13	Rheology of okra ( <i>Hibiscus esculentus</i> L.) and dika nut ( <i>Irvingia gabonensis</i> ) polysaccharides. <i>Carbohydrate Polymers</i> , 1996, 29, 263-269.	5.1	92
14	Electrostatic Self-Assembled Chitosan-Pectin Nano- and Microparticles for Insulin Delivery. <i>Molecules</i> , 2017, 22, 1707.	1.7	90
15	Sonoran Propolis: Chemical Composition and Antiproliferative Activity on Cancer Cell Lines. <i>Planta Medica</i> , 2007, 73, 1469-1474.	0.7	86
16	Biophysical Analysis of the Molecular Interactions between Polysaccharides and Mucin. <i>Biomacromolecules</i> , 2015, 16, 924-935.	2.6	85
17	Chitin and Chitosan: Major Sources, Properties and Applications. , 2008, , 517-542.		84
18	Chitosan in Non-Viral Gene Delivery: Role of Structure, Characterization Methods, and Insights in Cancer and Rare Diseases Therapies. <i>Polymers</i> , 2018, 10, 444.	2.0	83

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19	Pickering emulsions co-stabilized by composite protein/ polysaccharide particle-particle interfaces: Impact on in vitro gastric stability. <i>Food Hydrocolloids</i> , 2018, 84, 282-291.	5.6	83
20	Zeta potential and drop growth of oil in water emulsions stabilized with mesquite gum. <i>Carbohydrate Polymers</i> , 2006, 65, 327-336.	5.1	82
21	Interaction Between Chitosan and Mucin: Fundamentals and Applications. <i>Biomimetics</i> , 2019, 4, 32.	1.5	82
22	Systemic heparin delivery by the pulmonary route using chitosan and glycol chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2013, 447, 115-123.	2.6	77
23	Innovative Methods and Applications in Mucoadhesion Research. <i>Macromolecular Bioscience</i> , 2017, 17, 1600534.	2.1	77
24	Thermoresponsive Behavior of Chitosan-g-N-isopropylacrylamide Copolymer Solutions. <i>Biomacromolecules</i> , 2009, 10, 1633-1641.	2.6	76
25	Chitosan encapsulation modulates the effect of capsaicin on the tight junctions of MDCK cells. <i>Scientific Reports</i> , 2015, 5, 10048.	1.6	76
26	Solution rheology of mesquite gum in comparison with gum arabic. <i>Carbohydrate Polymers</i> , 1995, 27, 37-45.	5.1	73
27	Development of electrosprayed mucoadhesive chitosan microparticles. <i>Carbohydrate Polymers</i> , 2018, 190, 240-247.	5.1	73
28	Chitosan nanocapsules: Effect of chitosan molecular weight and acetylation degree on electrokinetic behaviour and colloidal stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 82, 571-580.	2.5	72
29	Preparation of chitosan nanoparticles by nanoprecipitation and their ability as a drug nanocarrier. <i>RSC Advances</i> , 2016, 6, 59250-59256.	1.7	72
30	N-(furfural) chitosan hydrogels based on Diels-Alder cycloadditions and application as microspheres for controlled drug release. <i>Carbohydrate Polymers</i> , 2015, 128, 220-227.	5.1	71
31	Rheological measurement of $\hat{\mu}$ -carrageenan during gelation. <i>Carbohydrate Polymers</i> , 1994, 24, 223-225.	5.1	66
32	Chitosan-based nanocapsules: physical characterization, stability in biological media and capsaicin encapsulation. <i>Colloid and Polymer Science</i> , 2012, 290, 1423-1434.	1.0	66
33	Protein delivery based on uncoated and chitosan-coated mesoporous silicon microparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 88, 601-609.	2.5	65
34	Molecularly Imprinted Chitosan-Genipin Hydrogels with Recognition Capacity toward o-Xylene. <i>Biomacromolecules</i> , 2007, 8, 3355-3364.	2.6	64
35	Formulation of polysaccharide-based nanoparticles for local administration into the oral cavity. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 381-389.	1.9	64
36	Effect of Chemical Crosslinking on the Swelling and Shrinking Properties of Thermal and pH-Responsive Chitosan Hydrogels. <i>Macromolecular Bioscience</i> , 2003, 3, 612-619.	2.1	59

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37	Self-assembled amphiphilic chitosan nanoparticles for quercetin delivery to breast cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 131, 203-210.	2.0	58
38	A new drug nanocarrier consisting of polyarginine and hyaluronic acid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 79, 54-57.	2.0	55
39	Chitosan~Cholesterol and Chitosan~Stearic Acid Interactions at the Air~Water Interface. <i>Biomacromolecules</i> , 2005, 6, 2416-2426.	2.6	54
40	Determination of Chitin and Protein Contents During the Isolation of Chitin from Shrimp Waste. <i>Macromolecular Bioscience</i> , 2006, 6, 340-347.	2.1	53
41	A modified Boltzmann sigmoidal model for the phase transition of smart gels. <i>Soft Matter</i> , 2011, 7, 5847.	1.2	50
42	On the role of alginate structure in complexing with lysozyme and Application for enzyme delivery. <i>Food Hydrocolloids</i> , 2016, 53, 239-248.	5.6	48
43	A Chitosan-Based Liposome Formulation Enhances the In Vitro Wound Healing Efficacy of Substance P Neuropeptide. <i>Pharmaceutics</i> , 2017, 9, 56.	2.0	48
44	Synergistic effect of quercetin and pH-responsive DEAE-chitosan carriers as drug delivery system for breast cancer treatment. <i>International Journal of Biological Macromolecules</i> , 2018, 106, 579-586.	3.6	48
45	Effect of locust bean gum and konjac glucomannan on the conformation and rheology of agarose and $\kappa$ -carrageenan. <i>Biopolymers</i> , 1995, 36, 643-658.	1.2	45
46	Characterization and Antiproliferative Activity of Nobiletin-Loaded Chitosan Nanoparticles. <i>Journal of Nanomaterials</i> , 2012, 2012, 1-7.	1.5	44
47	Chitosan nanoencapsulation of flavonoids enhances their quorum sensing and biofilm formation inhibitory activities against an E.coli Top 10 biosensor. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 125-133.	2.5	44
48	Effect of the molecular architecture on the thermosensitive properties of chitosan-g-poly(N-vinylcaprolactam). <i>Carbohydrate Polymers</i> , 2015, 134, 92-101.	5.1	43
49	Immunological and functional properties of the exudate gum from northwestern Mexican mesquite ( <i>Prosopis</i> spp.) in comparison with gum arabic. <i>International Journal of Biological Macromolecules</i> , 1997, 21, 29-36.	3.6	42
50	Temperature and pH-sensitive chitosan hydrogels: DSC, rheological and swelling evidence of a volume phase transition. <i>Polymer Bulletin</i> , 2007, 58, 225-234.	1.7	41
51	Classification and physicochemical characterization of mesquite gum ( <i>Prosopis</i> spp.). <i>Food Hydrocolloids</i> , 2012, 26, 159-166.	5.6	40
52	Associative phenomena in galactomannan-deacetylated xanthan systems. <i>International Journal of Biological Macromolecules</i> , 2001, 29, 181-192.	3.6	39
53	Electrostatic self-assembly of polysaccharides into nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 531, 182-188.	2.3	39
54	Linseed pectin: gelling properties and performance as an encapsulation matrix for shark liver oil. <i>Food Hydrocolloids</i> , 2004, 18, 293-304.	5.6	38

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55	Pickering emulsion stabilized by cashew gum- poly-l-lactide copolymer nanoparticles: Synthesis, characterization and amphotericin B encapsulation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 164, 201-209.	2.5	36
56	Smart drug delivery against <i>Helicobacter pylori</i> : pectin-coated, mucoadhesive liposomes with antiadhesive activity and antibiotic cargo. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5943-5957.	1.7	36
57	Screening for synergistic interactions in dilute polysaccharide solutions. <i>Carbohydrate Polymers</i> , 1995, 28, 351-358.	5.1	35
58	Diffusion Through Membranes of the Polyelectrolyte Complex of Chitosan and Alginate. <i>Macromolecular Bioscience</i> , 2003, 3, 535-539.	2.1	35
59	Physical properties and antibacterial activity of chitosan/acemannan mixed systems. <i>Carbohydrate Polymers</i> , 2015, 115, 707-714.	5.1	35
60	Chitosan/Cyclodextrin/TPP Nanoparticles Loaded with Quercetin as Novel Bacterial Quorum Sensing Inhibitors. <i>Molecules</i> , 2017, 22, 1975.	1.7	35
61	Chitosan-based nanodelivery systems applied to the development of novel triclabendazole formulations. <i>PLoS ONE</i> , 2018, 13, e0207625.	1.1	34
62	An investigation of the interactions between an <i>E. coli</i> bacterial quorum sensing biosensor and chitosan-based nanocapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 358-368.	2.5	33
63	Ethnobotanical survey of traditionally used medicinal plants for infections of skin, gastrointestinal tract, urinary tract and the oral cavity in Borabu sub-county, Nyamira county, Kenya. <i>Journal of Ethnopharmacology</i> , 2015, 176, 508-514.	2.0	32
64	Self-assembled high molecular weight inulin nanoparticles: Enzymatic synthesis, physicochemical and biological properties. <i>Carbohydrate Polymers</i> , 2019, 215, 160-169.	5.1	32
65	Chitosan/ <i>Sterculia striata</i> polysaccharides nanocomplex as a potential chloroquine drug release device. <i>International Journal of Biological Macromolecules</i> , 2016, 88, 244-253.	3.6	31
66	Macromolecular Dimensions and Mechanical Properties of Monolayer Films of Sonorean Mesquite Gum. <i>Macromolecular Bioscience</i> , 2004, 4, 865-874.	2.1	30
67	Chitosan as a non-viral co-transfection system in a cystic fibrosis cell line. <i>International Journal of Pharmaceutics</i> , 2016, 502, 1-9.	2.6	30
68	Kinetics of Gelation and Thermal Sensitivity of N-Isobutyryl Chitosan Hydrogels. <i>Biomacromolecules</i> , 2005, 6, 2408-2415.	2.6	29
69	Aqueous extract from <i>Orthosiphon stamineus</i> leaves prevents bladder and kidney infection in mice. <i>Phytomedicine</i> , 2017, 28, 1-9.	2.3	29
70	Nanocapsules of <i>Sterculia striata</i> acetylated polysaccharide as a potential monomeric amphotericin B delivery matrix. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 655-663.	3.6	28
71	A rational approach towards the design of chitosan-based nanoparticles obtained by ionotropic gelation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015, 135, 99-108.	2.5	27
72	Antiquorum sensing, antibiofilm formation and cytotoxicity activity of commonly used medicinal plants by inhabitants of Borabu sub-county, Nyamira County, Kenya. <i>PLoS ONE</i> , 2017, 12, e0185722.	1.1	27

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73	pH- and Temperature-Sensitive Chitosan Hydrogels: Swelling and MRI Studies. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 887-895.	1.1	26
74	Recent Trends in the Development of Chitosan-Based Drug Delivery Systems. <i>AAPS PharmSciTech</i> , 2017, 18, 933-935.	1.5	26
75	Small-deformation rheology of mesquite gum stabilized oil in water emulsions. <i>Carbohydrate Polymers</i> , 2006, 64, 205-211.	5.1	25
76	Immobilization of Hydrophilic Low Molecular-Weight Molecules in Nanoparticles of Chitosan/Poly(sodium 4-styrenesulfonate) Assisted by Aromatic-Aromatic Interactions. <i>Journal of Physical Chemistry B</i> , 2014, 118, 9782-9791.	1.2	25
77	Development of amphotericin B-loaded propionate <i>Sterculia striata</i> polysaccharide nanocarrier. <i>International Journal of Biological Macromolecules</i> , 2020, 146, 1133-1141.	3.6	25
78	Differences of the tumour cell glycocalyx affect binding of capsaicin-loaded chitosan nanocapsules. <i>Scientific Reports</i> , 2020, 10, 22443.	1.6	25
79	In Vitro and Sensory Evaluation of Capsaicin-Loaded Nanoformulations. <i>PLoS ONE</i> , 2015, 10, e0141017.	1.1	24
80	Supercritical CO <sub>2</sub> -dried chitosan nanoparticles: production and characterization. <i>RSC Advances</i> , 2017, 7, 30879-30885.	1.7	24
81	Extraction and physicochemical characterization of galactomannans from <i>Dichrostachys cinerea</i> seeds. <i>Food Hydrocolloids</i> , 2018, 82, 451-456.	5.6	24
82	Polysaccharides as Bacterial Antiadhesive Agents and "Smart" Constituents for Improved Drug Delivery Systems Against <i>Helicobacter pylori</i> Infection. <i>Current Pharmaceutical Design</i> , 2015, 21, 4888-4906.	0.9	24
83	Polysaccharide-Protein Nanoassemblies: Novel Soft Materials for Biomedical and Biotechnological Applications. <i>Current Protein and Peptide Science</i> , 2015, 16, 89-99.	0.7	24
84	Effects of polysaccharide isolated from <i>Streptococcus thermophilus</i> CRL1190 on human gastric epithelial cells. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 217-224.	3.6	23
85	Effect of Î <sup>2</sup> -Lactoglobulin A and B Whey Protein Variants on the Rennet-Induced Gelation of Skim Milk Gels in a Model Reconstituted Skim Milk System. <i>Journal of Dairy Science</i> , 2007, 90, 582-593.	1.4	22
86	Structural Characterization of Mesquite ( <i>Prosopis velutina</i> ) Gum and its Fractions. <i>Macromolecular Bioscience</i> , 2008, 8, 749-757.	2.1	22
87	Thermo- and pH-responsive polyelectrolyte complex membranes from chitosan-g-N-isopropylacrylamide and pectin. <i>Carbohydrate Polymers</i> , 2011, 86, 1336-1343.	5.1	22
88	Chitin and chitosan. <i>Developments in Food Science</i> , 2000, 41, 265-308.	0.0	21
89	Physical Properties and Stability of Soft Gelled Chitosan-Based Nanoparticles. <i>Macromolecular Bioscience</i> , 2016, 16, 1873-1882.	2.1	21
90	Self-assembling cashew gum-graft-poly(lactide) copolymer nanoparticles as a potential amphotericin B delivery matrix. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 492-502.	3.6	21

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91	Substituent effects on the <sup>31</sup> P NMR chemical shifts of arylphosphorothionates. <i>Tetrahedron</i> , 2006, 62, 2520-2528.	1.0	20
92	Furan- $\alpha$ -chitosan hydrogels based on click chemistry. <i>Iranian Polymer Journal (English Edition)</i> , 2015, 24, 349-357.	1.3	20
93	Self- $\alpha$ -aggregated nanoparticles of $\alpha$ -dodecyl- $\alpha$ -glycidyl(chitosan) as pH-responsive drug delivery systems for quercetin. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45678.	1.3	20
94	Characterisation of chitosan molecular weight distribution by multi-detection asymmetric flow-field flow fractionation (AF4) and SEC. <i>International Journal of Biological Macromolecules</i> , 2019, 136, 911-919.	3.6	20
95	HS2ST1-dependent signaling pathways determine breast cancer cell viability, matrix interactions, and invasive behavior. <i>Cancer Science</i> , 2020, 111, 2907-2922.	1.7	19
96	Chitosan encapsulation modulates the effect of trans-cinnamaldehyde on AHL-regulated quorum sensing activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 169, 453-461.	2.5	18
97	Capsaicin-Loaded Chitosan Nanocapsules for wtCFTR-mRNA Delivery to a Cystic Fibrosis Cell Line. <i>Biomedicines</i> , 2020, 8, 364.	1.4	18
98	Antiadhesive hydroalcoholic extract from <i>Apium graveolens</i> fruits prevents bladder and kidney infection against uropathogenic <i>E. coli</i> . <i>F<math>\ddot{A}</math>-totera<math>\ddot{P}</math>-<math>\ddot{A}</math><math>\ddot{C}</math></i> , 2018, 127, 237-244.	1.1	17
99	Production and characterization of supercritical CO <sub>2</sub> dried chitosan nanoparticles as novel carrier device. <i>Carbohydrate Polymers</i> , 2018, 198, 556-562.	5.1	17
100	Package, Temperature and TBHQ Effects on Oxidative Deterioration of Corn-based Snacks. <i>Journal of Food Science</i> , 1992, 57, 112-117.	1.5	16
101	Response time and electrorheology of semidiluted gellan, xanthan and cellulose suspensions. <i>Carbohydrate Polymers</i> , 2002, 48, 413-421.	5.1	16
102	Electrokinetic behavior of chitosan adsorbed on o/w nanoemulsion droplets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 519, 205-211.	2.3	16
103	Aptamer-Target-Gold Nanoparticle Conjugates for the Quantification of Fumonisin B1. <i>Biosensors</i> , 2021, 11, 18.	2.3	16
104	Development and characterization of nanocapsules comprising dodecyltrimethylammonium chloride and $\beta$ -carrageenan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 86, 242-246.	2.5	15
105	Nanoencapsulated capsaicin changes migration behavior and morphology of madin darby canine kidney cell monolayers. <i>PLoS ONE</i> , 2017, 12, e0187497.	1.1	15
106	Iron-rich chitosan-pectin colloidal microparticles laden with ora-pro-nobis ( <i>Pereskia aculeata</i> Miller) extract. <i>Food Hydrocolloids</i> , 2020, 98, 105313.	5.6	15
107	Agronomic Cultivation, Chemical Composition, Functional Activities and Applications of <i>Pereskia</i> Species - A Mini Review. <i>Current Medicinal Chemistry</i> , 2019, 26, 4573-4584.	1.2	15
108	Affinity Protein-Based FRET Tools for Cellular Tracking of Chitosan Nanoparticles and Determination of the Polymer Degree of Acetylation. <i>Biomacromolecules</i> , 2014, 15, 2532-2539.	2.6	14

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109	Synthetic homoserine lactone analogues as antagonists of bacterial quorum sensing. <i>Bioorganic Chemistry</i> , 2020, 98, 103698.	2.0	14
110	Interfacial Behavior of N-Nitrosodiethylamine/Bovine Serum Albumin Complexes at the Air/Water and the Chloroform/Water Interfaces by Axisymmetric Drop Tensiometry. <i>Journal of Physical Chemistry B</i> , 2007, 111, 2727-2735.	1.2	13
111	Co-assembly of chitosan and phospholipids into hybrid hydrogels. <i>Pure and Applied Chemistry</i> , 2016, 88, 905-916.	0.9	13
112	Mesoscopic Modeling of the Encapsulation of Capsaicin by Lecithin/Chitosan Liposomal Nanoparticles. <i>Nanomaterials</i> , 2018, 8, 425.	1.9	13
113	The Influence of Capsaicin on the Integrity of Microvascular Endothelial Cell Monolayers. <i>International Journal of Molecular Sciences</i> , 2019, 20, 122.	1.8	13
114	Aptamer-based detection of fumonisin B1: A critical review. <i>Analytica Chimica Acta</i> , 2021, 1160, 338395.	2.6	13
115	Gelation processes in the non-stoichiometric polyelectrolyte/surfactant complex between $\lambda$ -carrageenan and dodecyltrimethylammonium chloride in KCl. <i>Soft Matter</i> , 2011, 7, 2103.	1.2	12
116	Physico-chemical characteristics and primary structure of an affinity-purified $\beta$ -D-galactose-specific, jacalin-related lectin from the latex of mulberry ( <i>Morus indica</i> ). <i>Archives of Biochemistry and Biophysics</i> , 2016, 609, 59-68.	1.4	12
117	The Effect of Capsaicin Derivatives on Tight-Junction Integrity and Permeability of Madin-Darby Canine Kidney Cells. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 630-638.	1.6	12
118	A quality by design approach for optimization of Lecithin/Span <sup>®</sup> 80 based nanoemulsions loaded with hydrophobic drugs. <i>Journal of Molecular Liquids</i> , 2021, 321, 114743.	2.3	11
119	Chitosan/cyclodextrin surface-adsorbed naringenin-loaded nanocapsules enhance bacterial quorum quenching and anti-biofilm activities. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112281.	2.5	11
120	Influence of N-Deacetylation Conditions on Chitosan Production from $\beta$ -Chitin. <i>Natural Product Communications</i> , 2008, 3, 1934578X0800300.	0.2	10
121	Effect of the ultrastructure of chitosan nanoparticles in colloidal stability, quorum quenching and antibacterial activities. <i>Journal of Colloid and Interface Science</i> , 2019, 556, 592-605.	5.0	10
122	Encapsulation of caffeine in polysaccharide oil-core nanocapsules. <i>Colloid and Polymer Science</i> , 2020, 298, 1035-1041.	1.0	10
123	Conformational study on the thermal transition of chitosan-g-poly(N-vinylcaprolactam) in aqueous solution. <i>Colloid and Polymer Science</i> , 2016, 294, 555-563.	1.0	9
124	Physicochemical Characterization of FRET-Labelled Chitosan Nanocapsules and Model Degradation Studies. <i>Nanomaterials</i> , 2018, 8, 846.	1.9	9
125	Covalently and ionically, dually crosslinked chitosan nanoparticles block quorum sensing and affect bacterial cell growth on a cell-density dependent manner. <i>Journal of Colloid and Interface Science</i> , 2020, 578, 171-183.	5.0	9
126	Chitosan Nanocomplexes for the Delivery of ENaC Antisense Oligonucleotides to Airway Epithelial Cells. <i>Biomolecules</i> , 2020, 10, 553.	1.8	9

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127	HETEROTYPIC INTERACTIONS OF DEACETYLATED XANTHAN WITH A GALACTOMANNAN OF HIGH GALACTOSE SUBSTITUTION DURING SYNERGISTIC GELATION. , 2000, , 229-240.		8
128	Chitosan coatings reduce fruit fly (<sc><i>Anastrepha obliqua</i></sc>) infestation and development of the fungus <i>Colletotrichum gloeosporioides</i> in Manila mangoes. Journal of the Science of Food and Agriculture, 2021, 101, 2756-2766.	1.7	8
129	Chitin and Chitosan in Gel Network Systems. ACS Symposium Series, 2002, , 102-121.	0.5	7
130	New insights into the nature of the Cibacron brilliant red 3B-A â€“ Chitosan interaction. Pure and Applied Chemistry, 2016, 88, 891-904.	0.9	7
131	Assessment of the Quorum Sensing Inhibition Activity of a Non-Toxic Chitosan in an N-Acyl Homoserine Lactone (AHL)-Based Escherichia coli Biosensor. Biomolecules, 2018, 8, 87.	1.8	7
132	Acemannan Gels and Aerogels. Polymers, 2019, 11, 330.	2.0	7
133	Fractionation and Characterization of the Monosaccharides from Mesquite Prosopis spp. and Arabic Gum by Normal, Bonded Phase, HPLC. Journal of Liquid Chromatography and Related Technologies, 2006, 29, 1991-1999.	0.5	6
134	Chitosan-polysaccharide blended nanoparticles for controlled drug delivery. , 2008, , 644-679.		6
135	Design and characterization of self-assembled fish sarcoplasmic proteinâ€“alginate nanocomplexes. International Journal of Biological Macromolecules, 2015, 76, 146-152.	3.6	6
136	Low-Molecular-Weight Dextran Sulfate Nanocapsules Inhibit the Adhesion of Helicobacter pylori to Gastric Cells. ACS Applied Bio Materials, 2019, 2, 4777-4789.	2.3	6
137	Screening of Bacterial Quorum Sensing Inhibitors in a Vibrio fischeri LuxR-Based Synthetic Fluorescent E. coli Biosensor. Pharmaceuticals, 2020, 13, 263.	1.7	6
138	Structural characterization of the carbohydrate and protein part of arabinogalactan protein from Basella alba stem and antiadhesive activity of polysaccharides from B. alba against Helicobacter pylori. FÃ-toterapÃ-Ã¢, 2022, 157, 105132.	1.1	6
139	Extraction, purification and characterization of water soluble galactomannans from Mimosa pudica seeds. The EuroBiotech Journal, 2017, 1, 303-309.	0.5	5
140	Characterisation of the Interaction among Oil-In-Water Nanocapsules and Mucin. Biomimetics, 2020, 5, 36.	1.5	5
141	Selective recovery of lithium from spent coin cell cathode leachates using ion imprinted blended chitosan microfibers: Pilot scale studies provide insights on scalability. Journal of Hazardous Materials, 2022, 431, 128535.	6.5	5
142	SYBR Gold Fluorescence Quenching is a Sensitive Probe of Chitosan-microRNA Interactions. Journal of Fluorescence, 2016, 26, 37-42.	1.3	4
143	Synthesis of regioselective chitosan copolymers with Î²-cyclodextrin and poly(N-isopropyl acrylamide). Journal of Polymer Research, 2020, 27, 1.	1.2	4
144	Immunochemical, Structural and Functional Properties of Mesquite Gum Compared with Gum Arabic. , 2000, , 263-276.		3

#	ARTICLE	IF	CITATIONS
145	Genipin cross-linked chitosan for signal enhancement in the colorimetric detection of aflatoxin B1 on 3MM chromatography paper. <i>Sensing and Bio-Sensing Research</i> , 2020, 29, 100339.	2.2	3
146	Specific methods for the analysis of identity and purity of functional food polysaccharides. <i>Developments in Food Science</i> , 1998, , 99-140.	0.0	2
147	Nanostructures Overcoming the Nasal Barrier: Protein and Peptide Delivery Strategies. <i>RSC Drug Discovery Series</i> , 2012, , 133-155.	0.2	2
148	Interfacial Properties of B Phycoerythrin Extracted from the Red Microalga <i>Rhodospirillum rubrum</i> at Hexadecane-Water and Air-Water Interfaces. <i>Science of Advanced Materials</i> , 2011, 3, 259-268.	0.1	2
149	Short-time acoustic and hydrodynamic cavitation improves dispersibility and functionality of pectin-rich biopolymers from citrus waste.. <i>Journal of Cleaner Production</i> , 2022, 330, 129789.	4.6	2
150	Chitin and Chitosan - Highlights from the Chitin Symposium 2002 in Acapulco, Mexico. <i>Macromolecular Bioscience</i> , 2003, 3, 510-510.	2.1	0
151	Interfacial Properties Of The Fluorescent Protein B-phycoerythrin Extracted From The Red Microalga <i>Rhodospirillum rubrum</i> . <i>Biophysical Journal</i> , 2009, 96, 603a.	0.2	0
152	12th International Conference of the European Chitin Society and 13th International Conference on Chitin and Chitosan (EUCHIS/ICCC 2015). <i>Pure and Applied Chemistry</i> , 2016, 88, 841-842.	0.9	0
153	Nanocapsule induced morphology and migration changes in single cell layers quantified with digital holographic microscopy. , 2019, , .		0