

Francisco M Goycoolea

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

151
papers

6,032
citations

39
h-index

74
g-index

160
ext. papers

6,848
ext. citations

5.6
avg, IF

5.88
L-index

#	Paper	IF	Citations
151	Structural characterization of the carbohydrate and protein part of arabinogalactan protein from <i>Basella alba</i> stem and antiadhesive activity of polysaccharides from <i>B. alba</i> against <i>Helicobacter pylori</i> .. <i>Floterap</i> , 2022 , 157, 105132	3.2	0
150	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	10.3	1
149	Selective recovery of lithium from spent coin cell cathode leachates using ion imprinted blended chitosan microfibers: Pilot scale studies provide insights on scalability.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128535	12.8	1
148	Chitosan/cyclodextrin surface-adsorbed naringenin-loaded nanocapsules enhance bacterial quorum quenching and anti-biofilm activities.. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021 , 211, 112281	6	2
147	Aptamer-based detection of fumonisin B1: A critical review. <i>Analytica Chimica Acta</i> , 2021 , 1160, 338395	6.6	2
146	Chitosan coatings reduce fruit fly (<i>Anastrepha obliqua</i>) infestation and development of the fungus <i>Colletotrichum gloeosporioides</i> in Manila mangoes. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 2756-2766	4.3	3
145	A quality by design approach for optimization of Lecithin/Span [®] 80 based nanoemulsions loaded with hydrophobic drugs. <i>Journal of Molecular Liquids</i> , 2021 , 321, 114743	6	4
144	Aptamer-Target-Gold Nanoparticle Conjugates for the Quantification of Fumonisin B1. <i>Biosensors</i> , 2021 , 11,	5.9	4
143	Encapsulation of caffeine in polysaccharide oil-core nanocapsules. <i>Colloid and Polymer Science</i> , 2020 , 298, 1035-1041	2.4	6
142	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	9.3	2
141	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	5.7	11
140	Synthetic homoserine lactone analogues as antagonists of bacterial quorum sensing. <i>Bioorganic Chemistry</i> , 2020 , 98, 103698	5.1	7
139	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	7.9	11
138	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	3.3	1
137	Synthesis of regioselective chitosan copolymers with β -cyclodextrin and poly(N-isopropyl acrylamide). <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	2
136	Differences of the tumour cell glycocalyx affect binding of capsaicin-loaded chitosan nanocapsules. <i>Scientific Reports</i> , 2020 , 10, 22443	4.9	10
135	Development of amphotericin B-loaded propionate <i>Sterculia striata</i> polysaccharide nanocarrier. <i>International Journal of Biological Macromolecules</i> , 2020 , 146, 1133-1141	7.9	14

134	Screening of Bacterial Quorum Sensing Inhibitors in a LuxR-Based Synthetic Fluorescent Biosensor. <i>Pharmaceuticals</i> , 2020 , 13,	5.2	4
133	Capsaicin-Loaded Chitosan Nanocapsules for wtCFTR-mRNA Delivery to a Cystic Fibrosis Cell Line. <i>Biomedicines</i> , 2020 , 8,	4.8	3
132	HS2ST1-dependent signaling pathways determine breast cancer cell viability, matrix interactions, and invasive behavior. <i>Cancer Science</i> , 2020 , 111, 2907-2922	6.9	11
131	Characterisation of the Interaction among Oil-In-Water Nanocapsules and Mucin. <i>Biomimetics</i> , 2020 , 5,	3.7	1
130	Iron-rich chitosan-pectin colloidal microparticles laden with ora-pro-nobis (<i>Pereskia aculeata</i> Miller) extract. <i>Food Hydrocolloids</i> , 2020 , 98, 105313	10.6	9
129	Chitosan Nanocomplexes for the Delivery of ENaC Antisense Oligonucleotides to Airway Epithelial Cells. <i>Biomolecules</i> , 2020 , 10,	5.9	4
128	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	9.3	5
127	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	7.9	13
126	Interaction Between Chitosan and Mucin: Fundamentals and Applications. <i>Biomimetics</i> , 2019 , 4,	3.7	45
125	Self-assembled high molecular weight inulin nanoparticles: Enzymatic synthesis, physicochemical and biological properties. <i>Carbohydrate Polymers</i> , 2019 , 215, 160-169	10.3	18
124	Acemannan Gels and Aerogels. <i>Polymers</i> , 2019 , 11,	4.5	2
123	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	7.9	19
122	Low-Molecular-Weight Dextran Sulfate Nanocapsules Inhibit the Adhesion of to Gastric Cells.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4777-4789	4.1	4
121	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	4.3	10
120	Self-aggregated nanoparticles of N-dodecyl,N?-glycidyl(chitosan) as pH-responsive drug delivery systems for quercetin. <i>Journal of Applied Polymer Science</i> , 2018 , 135, 45678	2.9	14
119	Development of electrosprayed mucoadhesive chitosan microparticles. <i>Carbohydrate Polymers</i> , 2018 , 190, 240-247	10.3	51
118	Antiadhesive hydroalcoholic extract from <i>Apium graveolens</i> fruits prevents bladder and kidney infection against uropathogenic <i>E. coli</i> . <i>Phytotherapy</i> , 2018 , 127, 237-244	3.2	14
117	Extraction and physicochemical characterization of galactomannans from <i>Dichrostachys cinerea</i> seeds. <i>Food Hydrocolloids</i> , 2018 , 82, 451-456	10.6	13

116	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	6	30
115	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	6	24
114	Parameters influencing the size of chitosan-TPP nano- and microparticles. <i>Scientific Reports</i> , 2018 , 8, 4695	4.9	126
113	Production and characterization of supercritical CO dried chitosan nanoparticles as novel carrier device. <i>Carbohydrate Polymers</i> , 2018 , 198, 556-562	10.3	10
112	Chitosan in Non-Viral Gene Delivery: Role of Structure, Characterization Methods, and Insights in Cancer and Rare Diseases Therapies. <i>Polymers</i> , 2018 , 10,	4.5	55
111	Mesoscopic Modeling of the Encapsulation of Capsaicin by Lecithin/Chitosan Liposomal Nanoparticles. <i>Nanomaterials</i> , 2018 , 8,	5.4	9
110	Self-assembled amphiphilic chitosan nanoparticles for quercetin delivery to breast cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018 , 131, 203-210	5.7	37
109	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	10.6	62
108	The Influence of Capsaicin on the Integrity of Microvascular Endothelial Cell Monolayers. <i>International Journal of Molecular Sciences</i> , 2018 , 20,	6.3	8
107	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	7.9	34
106	Chitosan-based nanodelivery systems applied to the development of novel triclabendazole formulations. <i>PLoS ONE</i> , 2018 , 13, e0207625	3.7	24
105	Physicochemical Characterization of FRET-Labelled Chitosan Nanocapsules and Model Degradation Studies. <i>Nanomaterials</i> , 2018 , 8,	5.4	6
104	Assessment of the Quorum Sensing Inhibition Activity of a Non-Toxic Chitosan in an -Acyl Homoserine Lactone (AHL)-Based Biosensor. <i>Biomolecules</i> , 2018 , 8,	5.9	4
103	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	6	11
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	5.1	10
101	Aqueous extract from <i>Orthosiphon stamineus</i> leaves prevents bladder and kidney infection in mice. <i>Phytomedicine</i> , 2017 , 23, 1-9	6.5	17
100	Innovative Methods and Applications in Mucoadhesion Research. <i>Macromolecular Bioscience</i> , 2017 , 17, 1600534	5.5	58
99	Capsaicinoids: Occurrence, Chemistry, Biosynthesis, and Biological Effects 2017 , 499-514		2

98	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	3.7	14
97	Nanoencapsulated capsaicin changes migration behavior and morphology of madin darby canine kidney cell monolayers. <i>PLoS ONE</i> , 2017 , 12, e0187497	3.7	9
96	Extraction, purification and characterization of water soluble galactomannans from Mimosa pudica seeds. <i>The EuroBiotech Journal</i> , 2017 , 1, 303-309	1.5	4
95	Electrostatic self-assembly of polysaccharides into nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 531, 182-188	5.1	29
94	Supercritical CO ₂ dried chitosan nanoparticles: production and characterization. <i>RSC Advances</i> , 2017 , 7, 30879-30885	3.7	18
93	An investigation of the interactions between an E. coli bacterial quorum sensing biosensor and chitosan-based nanocapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 149, 358-368	6	24
92	Formulation of polysaccharide-based nanoparticles for local administration into the oral cavity. <i>European Journal of Pharmaceutical Sciences</i> , 2017 , 96, 381-389	5.1	45
91	Electrostatic Self-Assembled Chitosan-Pectin Nano- and Microparticles for Insulin Delivery. <i>Molecules</i> , 2017 , 22,	4.8	61
90	Chitosan/Cyclodextrin/TPP Nanoparticles Loaded with Quercetin as Novel Bacterial Quorum Sensing Inhibitors. <i>Molecules</i> , 2017 , 22,	4.8	21
89	A Chitosan-Based Liposome Formulation Enhances the In Vitro Wound Healing Efficacy of Substance P Neuropeptide. <i>Pharmaceutics</i> , 2017 , 9,	6.4	30
88	On the role of alginate structure in complexing with lysozyme and application for enzyme delivery. <i>Food Hydrocolloids</i> , 2016 , 53, 239-248	10.6	41
87	Physical Properties and Stability of Soft Gelled Chitosan-Based Nanoparticles. <i>Macromolecular Bioscience</i> , 2016 , 16, 1873-1882	5.5	19
86	Co-assembly of chitosan and phospholipids into hybrid hydrogels. <i>Pure and Applied Chemistry</i> , 2016 , 88, 905-916	2.1	8
85	New insights into the nature of the Cibacron brilliant red 3B-A [Chitosan interaction. <i>Pure and Applied Chemistry</i> , 2016 , 88, 891-904	2.1	4
84	Preparation of chitosan nanoparticles by nanoprecipitation and their ability as a drug nanocarrier. <i>RSC Advances</i> , 2016 , 6, 59250-59256	3.7	45
83	Chitosan as a non-viral co-transfection system in a cystic fibrosis cell line. <i>International Journal of Pharmaceutics</i> , 2016 , 502, 1-9	6.5	24
82	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	2.4	9
81	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	3.9	8

80	SYBR Gold Fluorescence Quenching is a Sensitive Probe of Chitosan-microRNA Interactions. <i>Journal of Fluorescence</i> , 2016 , 26, 37-42	2.4	4
79	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	2.1	
78	Chitosan/Sterculia striata polysaccharides nanocomplex as a potential chloroquine drug release device. <i>International Journal of Biological Macromolecules</i> , 2016 , 88, 244-53	7.9	21
77	Physico-chemical characteristics and primary structure of an affinity-purified 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	4.1	7
76	Design and characterization of self-assembled fish sarcoplasmic protein-alginate nanocomplexes. <i>International Journal of Biological Macromolecules</i> , 2015 , 76, 146-52	7.9	5
75	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	6	25
74	Chitosan encapsulation modulates the effect of capsaicin on the tight junctions of MDCK cells. <i>Scientific Reports</i> , 2015 , 5, 10048	4.9	60
73	Furan-chitosan hydrogels based on click chemistry. <i>Iranian Polymer Journal (English Edition)</i> , 2015 , 24, 349-357	2.3	14
72	N-(furfural) chitosan hydrogels based on Diels-Alder cycloadditions and application as microspheres for controlled drug release. <i>Carbohydrate Polymers</i> , 2015 , 128, 220-7	10.3	54
71	Effect of the molecular architecture on the thermosensitive properties of chitosan-g-poly(N-vinylcaprolactam). <i>Carbohydrate Polymers</i> , 2015 , 134, 92-101	10.3	34
70	Physical properties and antibacterial activity of chitosan/acemannan mixed systems. <i>Carbohydrate Polymers</i> , 2015 , 115, 707-14	10.3	26
69	Physicochemical and biological characterization of chitosan-microRNA nanocomplexes for gene delivery to MCF-7 breast cancer cells. <i>Scientific Reports</i> , 2015 , 5, 13567	4.9	72
68	In Vitro and Sensory Evaluation of Capsaicin-Loaded Nanoformulations. <i>PLoS ONE</i> , 2015 , 10, e0141017	3.7	22
67	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, 508-14	5	22
66	Biophysical analysis of the molecular interactions between polysaccharides and mucin. <i>Biomacromolecules</i> , 2015 , 16, 924-35	6.9	62
65	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, 4888-906 ³³	3.3	16
64	Polysaccharide-protein nanoassemblies: novel soft materials for biomedical and biotechnological applications. <i>Current Protein and Peptide Science</i> , 2015 , 16, 89-99	2.8	19
63	Structure of chitosan determines its interactions with mucin. <i>Biomacromolecules</i> , 2014 , 15, 3550-8	6.9	106

62	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, 9782-91	3.4	20
61	Affinity protein-based FRET tools for cellular tracking of chitosan nanoparticles and determination of the polymer degree of acetylation. <i>Biomacromolecules</i> , 2014 , 15, 2532-9	6.9	11
60	Effects of polysaccharide isolated from <i>Streptococcus thermophilus</i> CRL1190 on human gastric epithelial cells. <i>International Journal of Biological Macromolecules</i> , 2013 , 62, 217-24	7.9	22
59	Systemic heparin delivery by the pulmonary route using chitosan and glycol chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , 2013 , 447, 115-23	6.5	68
58	Chitosan-based nanocapsules: physical characterization, stability in biological media and capsaicin encapsulation. <i>Colloid and Polymer Science</i> , 2012 , 290, 1423-1434	2.4	58
57	Characterization and Antiproliferative Activity of Nobiletin-Loaded Chitosan Nanoparticles. <i>Journal of Nanomaterials</i> , 2012 , 2012, 1-7	3.2	32
56	Chapter 3.2:Nanostructures Overcoming the Nasal Barrier: Protein and Peptide Delivery Strategies. <i>RSC Drug Discovery Series</i> , 2012 , 133-155	0.6	2
55	Classification and physicochemical characterization of mesquite gum (<i>Prosopis</i> spp.). <i>Food Hydrocolloids</i> , 2012 , 26, 159-166	10.6	34
54	A modified Boltzmann sigmoidal model for the phase transition of smart gels. <i>Soft Matter</i> , 2011 , 7, 5847-3.6	3.6	35
53	A new drug nanocarrier consisting of polyarginine and hyaluronic acid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011 , 79, 54-7	5.7	41
52	Protein delivery based on uncoated and chitosan-coated mesoporous silicon microparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 88, 601-9	6	58
51	Thermo- and pH-responsive polyelectrolyte complex membranes from chitosan-g-N-isopropylacrylamide and pectin. <i>Carbohydrate Polymers</i> , 2011 , 86, 1336-1343	10.3	19
50	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, 571-80	6	63
49	pH- and Temperature-Sensitive Chitosan Hydrogels: Swelling and MRI Studies. <i>Macromolecular Chemistry and Physics</i> , 2011 , 212, 887-895	2.6	21
48	Gelation processes in the non-stoichiometric polyelectrolyte-surfactant complex between χ -arrageenan and dodecyltrimethylammonium chloride in KCl. <i>Soft Matter</i> , 2011 , 7, 2103	3.6	10
47	Development and characterization of nanocapsules comprising dodecyltrimethylammonium chloride and χ -arrageenan. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011 , 86, 242-6	6	14
46	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	4.3	131
45	Thermoresponsive behavior of chitosan-g-N-isopropylacrylamide copolymer solutions. <i>Biomacromolecules</i> , 2009 , 10, 1633-41	6.9	66

44	Chitosan-alginate blended nanoparticles as carriers for the transmucosal delivery of macromolecules. <i>Biomacromolecules</i> , 2009 , 10, 1736-43	6.9	187
43	Chitosan-polysaccharide blended nanoparticles for controlled drug delivery 2008 , 644-679		3
42	Influence of N-Deacetylation Conditions on Chitosan Production from β -Chitin. <i>Natural Product Communications</i> , 2008 , 3, 1934578X0800300	0.9	7
41	Structural characterization of mesquite (<i>Prosopis velutina</i>) gum and its fractions. <i>Macromolecular Bioscience</i> , 2008 , 8, 749-57	5.5	17
40	On the gelling behaviour of β -D-glucopyranosyl (Opuntia ficus indica) low methoxyl pectin. <i>Carbohydrate Polymers</i> , 2008 , 73, 212-222	10.3	96
39	Chitin and Chitosan: Major Sources, Properties and Applications 2008 , 517-542		62
38	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, 2727-35	3.4	12
37	Molecularly imprinted chitosan-genipin hydrogels with recognition capacity toward o-xylene. <i>Biomacromolecules</i> , 2007 , 8, 3355-64	6.9	54
36	Antibacterial and free-radical scavenging activities of Sonoran propolis. <i>Journal of Applied Microbiology</i> , 2007 , 103, 1747-56	4.7	92
35	Temperature and pH-sensitive chitosan hydrogels: DSC, rheological and swelling evidence of a volume phase transition. <i>Polymer Bulletin</i> , 2007 , 58, 225-234	2.4	35
34	Sonoran propolis: chemical composition and antiproliferative activity on cancer cell lines. <i>Planta Medica</i> , 2007 , 73, 1469-74	3.1	64
33	Effect of beta-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, 582-93	4	20
32	Determination of chitin and protein contents during the isolation of chitin from shrimp waste. <i>Macromolecular Bioscience</i> , 2006 , 6, 340-7	5.5	39
31	Fractionation and Characterization of the Monosaccharides from Mesquite <i>Prosopis</i> spp. and Arabic Gum by Normal, Bonded Phase, HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2006 , 29, 1991-1999	1.3	3
30	Small-deformation rheology of mesquite gum stabilized oil in water emulsions. <i>Carbohydrate Polymers</i> , 2006 , 64, 205-211	10.3	24
29	Zeta potential and drop growth of oil in water emulsions stabilized with mesquite gum. <i>Carbohydrate Polymers</i> , 2006 , 65, 327-336	10.3	74
28	Substituent effects on the ^{31}P NMR chemical shifts of arylphosphorothionates. <i>Tetrahedron</i> , 2006 , 62, 2520-2528	2.4	19
27	Astaxanthin: a review of its chemistry and applications. <i>Critical Reviews in Food Science and Nutrition</i> , 2006 , 46, 185-96	11.5	772

26	Kinetics of gelation and thermal sensitivity of N-isobutyryl chitosan hydrogels. <i>Biomacromolecules</i> , 2005 , 6, 2408-15	6.9	28
25	Chitosan-cholesterol and chitosan-stearic acid interactions at the air-water interface. <i>Biomacromolecules</i> , 2005 , 6, 2416-26	6.9	52
24	Linseed pectin: gelling properties and performance as an encapsulation matrix for shark liver oil. <i>Food Hydrocolloids</i> , 2004 , 18, 293-304	10.6	34
23	Macromolecular dimensions and mechanical properties of monolayer films of Sonorean mesquite gum. <i>Macromolecular Bioscience</i> , 2004 , 4, 865-74	5.5	28
22	Microencapsulation of astaxanthin in a chitosan matrix. <i>Carbohydrate Polymers</i> , 2004 , 56, 41-45	10.3	122
21	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	5.5	53
20	Diffusion Through Membranes of the Polyelectrolyte Complex of Chitosan and Alginate. <i>Macromolecular Bioscience</i> , 2003 , 3, 535-539	5.5	30
19	Response time and electrorheology of semidiluted gellan, xanthan and cellulose suspensions. <i>Carbohydrate Polymers</i> , 2002 , 48, 413-421	10.3	16
18	Chitin and Chitosan in Gel Network Systems. <i>ACS Symposium Series</i> , 2002 , 102-121	0.4	7
17	An infrared investigation in relation with chitin and chitosan characterization. <i>Polymer</i> , 2001 , 42, 3569-3580	10.3	950
16	Associative phenomena in galactomannan-deacetylated xanthan systems. <i>International Journal of Biological Macromolecules</i> , 2001 , 29, 181-92	7.9	33
15	HETEROTYPIC INTERACTIONS OF DEACETYLATED XANTHAN WITH A GALACTOMANNAN OF HIGH GALACTOSE SUBSTITUTION DURING SYNERGISTIC GELATION 2000 , 229-240		8
14	Immunochemical, Structural and Functional Properties of Mesquite Gum Compared with Gum Arabic 2000 , 263-276		2
13	Chitin and chitosan. <i>Developments in Food Science</i> , 2000 , 41, 265-308		16
12	Specific methods for the analysis of identity and purity of functional food polysaccharides. <i>Developments in Food Science</i> , 1998 , 99-140		2
11	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	7.9	37
10	Rheology of okra (<i>Hibiscus esculentus</i> L.) and dika nut (<i>Irvingia gabonensis</i>) polysaccharides. <i>Carbohydrate Polymers</i> , 1996 , 29, 263-269	10.3	73
9	Viscosity of galactomannans at alkaline and neutral pH: evidence of hyperentanglement in solution. <i>Carbohydrate Polymers</i> , 1995 , 27, 69-71	10.3	96

8	Solution rheology of mesquite gum in comparison with gum arabic. <i>Carbohydrate Polymers</i> , 1995 , 27, 37-45	10.3	64
7	Screening for synergistic interactions in dilute polysaccharide solutions. <i>Carbohydrate Polymers</i> , 1995 , 28, 351-358	10.3	34
6	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	5.5	93
5	Effect of locust bean gum and konjac glucomannan on the conformation and rheology of agarose and κ-carrageenan. <i>Biopolymers</i> , 1995 , 36, 643-658	2.2	39
4	Rheological measurement of κ-carrageenan during gelation. <i>Carbohydrate Polymers</i> , 1994 , 24, 223-225	10.3	64
3	Package, Temperature and TBHQ Effects on Oxidative Deterioration of Corn-based Snacks. <i>Journal of Food Science</i> , 1992 , 57, 112-117	3.4	8
2	Protein-surfactant-polysaccharide nanoparticles increase the catalytic activity of an engineered β-lactamase maltose-activated switch enzyme		1
1	A single intracellular protein governs the critical transition from an individual to a coordinated population response during quorum sensing: Origins of primordial language		4