

# Francisco M Goycoolea

## List of Publications by Citations

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151  
papers

6,032  
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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	An infrared investigation in relation with chitin and chitosan characterization. <i>Polymer</i> , <b>2001</b> , 42, 3569-3580	3.9	950
150	Astaxanthin: a review of its chemistry and applications. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2006</b> , 46, 185-96	11.5	772
149	Chitosan-alginate blended nanoparticles as carriers for the transmucosal delivery of macromolecules. <i>Biomacromolecules</i> , <b>2009</b> , 10, 1736-43	6.9	187
148	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> , <b>2009</b> , 89, 15-23	4.3	131
147	Parameters influencing the size of chitosan-TPP nano- and microparticles. <i>Scientific Reports</i> , <b>2018</b> , 8, 4695	4.9	126
146	Microencapsulation of astaxanthin in a chitosan matrix. <i>Carbohydrate Polymers</i> , <b>2004</b> , 56, 41-45	10.3	122
145	Structure of chitosan determines its interactions with mucin. <i>Biomacromolecules</i> , <b>2014</b> , 15, 3550-8	6.9	106
144	On the gelling behaviour of Bopal (Opuntia ficus indica) low methoxyl pectin. <i>Carbohydrate Polymers</i> , <b>2008</b> , 73, 212-222	10.3	96
143	Viscosity of galactomannans at alkaline and neutral pH: evidence of hyperentanglement in solution. <i>Carbohydrate Polymers</i> , <b>1995</b> , 27, 69-71	10.3	96
142	Stoichiometry and Conformation of Xanthan in Synergistic Gelation with Locust Bean Gum or Konjac Glucomannan: Evidence for Heterotypic Binding. <i>Macromolecules</i> , <b>1995</b> , 28, 8308-8320	5.5	93
141	Antibacterial and free-radical scavenging activities of Sonoran propolis. <i>Journal of Applied Microbiology</i> , <b>2007</b> , 103, 1747-56	4.7	92
140	Zeta potential and drop growth of oil in water emulsions stabilized with mesquite gum. <i>Carbohydrate Polymers</i> , <b>2006</b> , 65, 327-336	10.3	74
139	Rheology of okra ( <i>Hibiscus esculentus</i> L.) and dika nut ( <i>Irvingia gabonensis</i> ) polysaccharides. <i>Carbohydrate Polymers</i> , <b>1996</b> , 29, 263-269	10.3	73
138	Physicochemical and biological characterization of chitosan-microRNA nanocomplexes for gene delivery to MCF-7 breast cancer cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 13567	4.9	72
137	Systemic heparin delivery by the pulmonary route using chitosan and glycol chitosan nanoparticles. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 447, 115-23	6.5	68
136	Thermoresponsive behavior of chitosan-g-N-isopropylacrylamide copolymer solutions. <i>Biomacromolecules</i> , <b>2009</b> , 10, 1633-41	6.9	66
135	Sonoran propolis: chemical composition and antiproliferative activity on cancer cell lines. <i>Planta Medica</i> , <b>2007</b> , 73, 1469-74	3.1	64

134	Solution rheology of mesquite gum in comparison with gum arabic. <i>Carbohydrate Polymers</i> , <b>1995</b> , 27, 37-45	10.3	64
133	Rheological measurement of Earrageenan during gelation. <i>Carbohydrate Polymers</i> , <b>1994</b> , 24, 223-225	10.3	64
132	Chitosan nanocapsules: Effect of chitosan molecular weight and acetylation degree on electrokinetic behaviour and colloidal stability. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 82, 571-80	6	63
131	Pickering emulsions co-stabilized by composite protein/ polysaccharide particle-particle interfaces: Impact on in vitro gastric stability. <i>Food Hydrocolloids</i> , <b>2018</b> , 84, 282-291	10.6	62
130	Biophysical analysis of the molecular interactions between polysaccharides and mucin. <i>Biomacromolecules</i> , <b>2015</b> , 16, 924-35	6.9	62
129	Chitin and Chitosan: Major Sources, Properties and Applications <b>2008</b> , 517-542		62
128	Electrostatic Self-Assembled Chitosan-Pectin Nano- and Microparticles for Insulin Delivery. <i>Molecules</i> , <b>2017</b> , 22,	4.8	61
127	Chitosan encapsulation modulates the effect of capsaicin on the tight junctions of MDCK cells. <i>Scientific Reports</i> , <b>2015</b> , 5, 10048	4.9	60
126	Innovative Methods and Applications in Mucoadhesion Research. <i>Macromolecular Bioscience</i> , <b>2017</b> , 17, 1600534	5.5	58
125	Chitosan-based nanocapsules: physical characterization, stability in biological media and capsaicin encapsulation. <i>Colloid and Polymer Science</i> , <b>2012</b> , 290, 1423-1434	2.4	58
124	Protein delivery based on uncoated and chitosan-coated mesoporous silicon microparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 88, 601-9	6	58
123	Chitosan in Non-Viral Gene Delivery: Role of Structure, Characterization Methods, and Insights in Cancer and Rare Diseases Therapies. <i>Polymers</i> , <b>2018</b> , 10,	4.5	55
122	N-(furfural) chitosan hydrogels based on Diels-Alder cycloadditions and application as microspheres for controlled drug release. <i>Carbohydrate Polymers</i> , <b>2015</b> , 128, 220-7	10.3	54
121	Molecularly imprinted chitosan-genipin hydrogels with recognition capacity toward o-xylene. <i>Biomacromolecules</i> , <b>2007</b> , 8, 3355-64	6.9	54
120	Effect of Chemical Crosslinking on the Swelling and Shrinking Properties of Thermal and pH-Responsive Chitosan Hydrogels. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 612-619	5.5	53
119	Chitosan-cholesterol and chitosan-stearic acid interactions at the air-water interface. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2416-26	6.9	52
118	Development of electrosprayed mucoadhesive chitosan microparticles. <i>Carbohydrate Polymers</i> , <b>2018</b> , 190, 240-247	10.3	51
117	Interaction Between Chitosan and Mucin: Fundamentals and Applications. <i>Biomimetics</i> , <b>2019</b> , 4,	3.7	45

116	Preparation of chitosan nanoparticles by nanoprecipitation and their ability as a drug nanocarrier. <i>RSC Advances</i> , <b>2016</b> , 6, 59250-59256	3.7	45
115	Formulation of polysaccharide-based nanoparticles for local administration into the oral cavity. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 96, 381-389	5.1	45
114	On the role of alginate structure in complexing with lysozyme and application for enzyme delivery. <i>Food Hydrocolloids</i> , <b>2016</b> , 53, 239-248	10.6	41
113	A new drug nanocarrier consisting of polyarginine and hyaluronic acid. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2011</b> , 79, 54-7	5.7	41
112	Determination of chitin and protein contents during the isolation of chitin from shrimp waste. <i>Macromolecular Bioscience</i> , <b>2006</b> , 6, 340-7	5.5	39
111	Effect of locust bean gum and konjac glucomannan on the conformation and rheology of agarose and carrageenan. <i>Biopolymers</i> , <b>1995</b> , 36, 643-658	2.2	39
110	Self-assembled amphiphilic chitosan nanoparticles for quercetin delivery to breast cancer cells. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2018</b> , 131, 203-210	5.7	37
109	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> , <b>1997</b> , 21, 29-36	7.9	37
108	A modified Boltzmann sigmoidal model for the phase transition of smart gels. <i>Soft Matter</i> , <b>2011</b> , 7, 5847-3.6	3.6	35
107	Temperature and pH-sensitive chitosan hydrogels: DSC, rheological and swelling evidence of a volume phase transition. <i>Polymer Bulletin</i> , <b>2007</b> , 58, 225-234	2.4	35
106	Effect of the molecular architecture on the thermosensitive properties of chitosan-g-poly(N-vinylcaprolactam). <i>Carbohydrate Polymers</i> , <b>2015</b> , 134, 92-101	10.3	34
105	Classification and physicochemical characterization of mesquite gum ( <i>Prosopis</i> spp.). <i>Food Hydrocolloids</i> , <b>2012</b> , 26, 159-166	10.6	34
104	Linseed pectin: gelling properties and performance as an encapsulation matrix for shark liver oil. <i>Food Hydrocolloids</i> , <b>2004</b> , 18, 293-304	10.6	34
103	Screening for synergistic interactions in dilute polysaccharide solutions. <i>Carbohydrate Polymers</i> , <b>1995</b> , 28, 351-358	10.3	34
102	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> , <b>2018</b> , 106, 579-586	7.9	34
101	Associative phenomena in galactomannan-deacetylated xanthan systems. <i>International Journal of Biological Macromolecules</i> , <b>2001</b> , 29, 181-92	7.9	33
100	Characterization and Antiproliferative Activity of Nobiletin-Loaded Chitosan Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2012</b> , 2012, 1-7	3.2	32
99	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> , <b>2018</b> , 164, 125-133	6	30

98	A Chitosan-Based Liposome Formulation Enhances the In Vitro Wound Healing Efficacy of Substance P Neuropeptide. <i>Pharmaceutics</i> , <b>2017</b> , 9,	6.4	30
97	Diffusion Through Membranes of the Polyelectrolyte Complex of Chitosan and Alginate. <i>Macromolecular Bioscience</i> , <b>2003</b> , 3, 535-539	5.5	30
96	Electrostatic self-assembly of polysaccharides into nanofibers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 531, 182-188	5.1	29
95	Kinetics of gelation and thermal sensitivity of N-isobutyryl chitosan hydrogels. <i>Biomacromolecules</i> , <b>2005</b> , 6, 2408-15	6.9	28
94	Macromolecular dimensions and mechanical properties of monolayer films of Sonorean mesquite gum. <i>Macromolecular Bioscience</i> , <b>2004</b> , 4, 865-74	5.5	28
93	Physical properties and antibacterial activity of chitosan/acemannan mixed systems. <i>Carbohydrate Polymers</i> , <b>2015</b> , 115, 707-14	10.3	26
92	A rational approach towards the design of chitosan-based nanoparticles obtained by ionotropic gelation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 135, 99-108	6	25
91	Pickering emulsion stabilized by cashew gum- poly-l-lactide copolymer nanoparticles: Synthesis, characterization and amphotericin B encapsulation. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 164, 201-209	6	24
90	Chitosan as a non-viral co-transfection system in a cystic fibrosis cell line. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 502, 1-9	6.5	24
89	An investigation of the interactions between an E. coli bacterial quorum sensing biosensor and chitosan-based nanocapsules. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2017</b> , 149, 358-368	6	24
88	Small-deformation rheology of mesquite gum stabilized oil in water emulsions. <i>Carbohydrate Polymers</i> , <b>2006</b> , 64, 205-211	10.3	24
87	Chitosan-based nanodelivery systems applied to the development of novel triclabendazole formulations. <i>PLoS ONE</i> , <b>2018</b> , 13, e0207625	3.7	24
86	Effects of polysaccharide isolated from Streptococcus thermophilus CRL1190 on human gastric epithelial cells. <i>International Journal of Biological Macromolecules</i> , <b>2013</b> , 62, 217-24	7.9	22
85	In Vitro and Sensory Evaluation of Capsaicin-Loaded Nanoformulations. <i>PLoS ONE</i> , <b>2015</b> , 10, e0141017	3.7	22
84	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> , <b>2015</b> , 176, 508-14	5	22
83	Chitosan/Cyclodextrin/TPP Nanoparticles Loaded with Quercetin as Novel Bacterial Quorum Sensing Inhibitors. <i>Molecules</i> , <b>2017</b> , 22,	4.8	21
82	pH- and Temperature-Sensitive Chitosan Hydrogels: Swelling and MRI Studies. <i>Macromolecular Chemistry and Physics</i> , <b>2011</b> , 212, 887-895	2.6	21
81	Chitosan/Sterculia striata polysaccharides nanocomplex as a potential chloroquine drug release device. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 88, 244-53	7.9	21

80	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> , <b>2014</b> , 118, 9782-91	3.4	20
79	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> , <b>2007</b> , 90, 582-93	4	20
78	Nanocapsules of Sterculia striata acetylated polysaccharide as a potential monomeric amphotericin B delivery matrix. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 130, 655-663	7.9	19
77	Physical Properties and Stability of Soft Gelled Chitosan-Based Nanoparticles. <i>Macromolecular Bioscience</i> , <b>2016</b> , 16, 1873-1882	5.5	19
76	Thermo- and pH-responsive polyelectrolyte complex membranes from chitosan-g-N-isopropylacrylamide and pectin. <i>Carbohydrate Polymers</i> , <b>2011</b> , 86, 1336-1343	10.3	19
75	Substituent effects on the <sup>31</sup> P NMR chemical shifts of arylphosphorothionates. <i>Tetrahedron</i> , <b>2006</b> , 62, 2520-2528	2.4	19
74	Polysaccharide-protein nanoassemblies: novel soft materials for biomedical and biotechnological applications. <i>Current Protein and Peptide Science</i> , <b>2015</b> , 16, 89-99	2.8	19
73	Self-assembled high molecular weight inulin nanoparticles: Enzymatic synthesis, physicochemical and biological properties. <i>Carbohydrate Polymers</i> , <b>2019</b> , 215, 160-169	10.3	18
72	Supercritical CO <sub>2</sub> dried chitosan nanoparticles: production and characterization. <i>RSC Advances</i> , <b>2017</b> , 7, 30879-30885	3.7	18
71	Aqueous extract from Orthosiphon stamineus leaves prevents bladder and kidney infection in mice. <i>Phytomedicine</i> , <b>2017</b> , 28, 1-9	6.5	17
70	Structural characterization of mesquite (Prosopis velutina) gum and its fractions. <i>Macromolecular Bioscience</i> , <b>2008</b> , 8, 749-57	5.5	17
69	Response time and electrorheology of semidiluted gellan, xanthan and cellulose suspensions. <i>Carbohydrate Polymers</i> , <b>2002</b> , 48, 413-421	10.3	16
68	Chitin and chitosan. <i>Developments in Food Science</i> , <b>2000</b> , 41, 265-308		16
67	Polysaccharides as Bacterial Antiadhesive Agents and "Smart" Constituents for Improved Drug Delivery Systems Against Helicobacter pylori Infection. <i>Current Pharmaceutical Design</i> , <b>2015</b> , 21, 4888-906 <sup>3</sup>	3.3	16
66	Furan-chitosan hydrogels based on click chemistry. <i>Iranian Polymer Journal (English Edition)</i> , <b>2015</b> , 24, 349-357	2.3	14
65	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> , <b>2017</b> , 12, e0185722	3.7	14
64	Self-aggregated nanoparticles of N-dodecyl,N <sup>?</sup> -glycidyl(chitosan) as pH-responsive drug delivery systems for quercetin. <i>Journal of Applied Polymer Science</i> , <b>2018</b> , 135, 45678	2.9	14
63	Antiadhesive hydroalcoholic extract from Apium graveolens fruits prevents bladder and kidney infection against uropathogenic E. coli. <i>Phytotherapy</i> , <b>2018</b> , 127, 237-244	3.2	14

62	Development and characterization of nanocapsules comprising dodecyltrimethylammonium chloride and $\kappa$ -carrageenan. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2011</b> , 86, 242-6	6	14
61	Development of amphotericin B-loaded propionate <i>Sterculia striata</i> polysaccharide nanocarrier. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 146, 1133-1141	7.9	14
60	Characterisation of chitosan molecular weight distribution by multi-detection asymmetric flow-field flow fractionation (AF4) and SEC. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 136, 911-919	7.9	13
59	Extraction and physicochemical characterization of galactomannans from <i>Dichrostachys cinerea</i> seeds. <i>Food Hydrocolloids</i> , <b>2018</b> , 82, 451-456	10.6	13
58	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> , <b>2007</b> , 111, 2727-35	3.4	12
57	Smart drug delivery against <i>Helicobacter pylori</i> : pectin-coated, mucoadhesive liposomes with antiadhesive activity and antibiotic cargo. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 5943-5957	5.7	11
56	Self-assembling cashew gum-graft-poly lactide copolymer nanoparticles as a potential amphotericin B delivery matrix. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 152, 492-502	7.9	11
55	Affinity protein-based FRET tools for cellular tracking of chitosan nanoparticles and determination of the polymer degree of acetylation. <i>Biomacromolecules</i> , <b>2014</b> , 15, 2532-9	6.9	11
54	HS2ST1-dependent signaling pathways determine breast cancer cell viability, matrix interactions, and invasive behavior. <i>Cancer Science</i> , <b>2020</b> , 111, 2907-2922	6.9	11
53	Chitosan encapsulation modulates the effect of trans-cinnamaldehyde on AHL-regulated quorum sensing activity. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2018</b> , 169, 453-461	6	11
52	Electrokinetic behavior of chitosan adsorbed on o/w nanoemulsion droplets. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2017</b> , 519, 205-211	5.1	10
51	Production and characterization of supercritical CO dried chitosan nanoparticles as novel carrier device. <i>Carbohydrate Polymers</i> , <b>2018</b> , 198, 556-562	10.3	10
50	Gelation processes in the non-stoichiometric polyelectrolyte-surfactant complex between $\kappa$ -carrageenan and dodecyltrimethylammonium chloride in KCl. <i>Soft Matter</i> , <b>2011</b> , 7, 2103	3.6	10
49	Agronomic Cultivation, Chemical Composition, Functional Activities and Applications of <i>Pereskia</i> Species - A Mini Review. <i>Current Medicinal Chemistry</i> , <b>2019</b> , 26, 4573-4584	4.3	10
48	Differences of the tumour cell glycocalyx affect binding of capsaicin-loaded chitosan nanocapsules. <i>Scientific Reports</i> , <b>2020</b> , 10, 22443	4.9	10
47	Nanoencapsulated capsaicin changes migration behavior and morphology of madin darby canine kidney cell monolayers. <i>PLoS ONE</i> , <b>2017</b> , 12, e0187497	3.7	9
46	Conformational study on the thermal transition of chitosan-g-poly(N-vinylcaprolactam) in aqueous solution. <i>Colloid and Polymer Science</i> , <b>2016</b> , 294, 555-563	2.4	9
45	Mesoscopic Modeling of the Encapsulation of Capsaicin by Lecithin/Chitosan Liposomal Nanoparticles. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	9

44	Iron-rich chitosan-pectin colloidal microparticles laden with ora-pro-nobis ( <i>Pereskia aculeata</i> Miller) extract. <i>Food Hydrocolloids</i> , <b>2020</b> , 98, 105313	10.6	9
43	Co-assembly of chitosan and phospholipids into hybrid hydrogels. <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 905-916	2.1	8
42	The Effect of Capsaicin Derivatives on Tight-Junction Integrity and Permeability of Madin-Darby Canine Kidney Cells. <i>Journal of Pharmaceutical Sciences</i> , <b>2016</b> , 105, 630-638	3.9	8
41	HETEROTYPIC INTERACTIONS OF DEACETYLATED XANTHAN WITH A GALACTOMANNAN OF HIGH GALACTOSE SUBSTITUTION DURING SYNERGISTIC GELATION <b>2000</b> , 229-240		8
40	Package, Temperature and TBHQ Effects on Oxidative Deterioration of Corn-based Snacks. <i>Journal of Food Science</i> , <b>1992</b> , 57, 112-117	3.4	8
39	The Influence of Capsaicin on the Integrity of Microvascular Endothelial Cell Monolayers. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 20,	6.3	8
38	Synthetic homoserine lactone analogues as antagonists of bacterial quorum sensing. <i>Bioorganic Chemistry</i> , <b>2020</b> , 98, 103698	5.1	7
37	Influence of N-Deacetylation Conditions on Chitosan Production from $\beta$ -Chitin. <i>Natural Product Communications</i> , <b>2008</b> , 3, 1934578X0800300	0.9	7
36	Chitin and Chitosan in Gel Network Systems. <i>ACS Symposium Series</i> , <b>2002</b> , 102-121	0.4	7
35	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> , <b>2016</b> , 609, 59-68	4.1	7
34	Encapsulation of caffeine in polysaccharide oil-core nanocapsules. <i>Colloid and Polymer Science</i> , <b>2020</b> , 298, 1035-1041	2.4	6
33	Physicochemical Characterization of FRET-Labelled Chitosan Nanocapsules and Model Degradation Studies. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	6
32	Effect of the ultrastructure of chitosan nanoparticles in colloidal stability, quorum quenching and antibacterial activities. <i>Journal of Colloid and Interface Science</i> , <b>2019</b> , 556, 592-605	9.3	5
31	Design and characterization of self-assembled fish sarcoplasmic protein-alginate nanocomplexes. <i>International Journal of Biological Macromolecules</i> , <b>2015</b> , 76, 146-52	7.9	5
30	Extraction, purification and characterization of water soluble galactomannans from <i>Mimosa pudica</i> seeds. <i>The EuroBiotech Journal</i> , <b>2017</b> , 1, 303-309	1.5	4
29	New insights into the nature of the Cibacron brilliant red 3B-A $\beta$ -Chitosan interaction. <i>Pure and Applied Chemistry</i> , <b>2016</b> , 88, 891-904	2.1	4
28	SYBR Gold Fluorescence Quenching is a Sensitive Probe of Chitosan-microRNA Interactions. <i>Journal of Fluorescence</i> , <b>2016</b> , 26, 37-42	2.4	4
27	Low-Molecular-Weight Dextran Sulfate Nanocapsules Inhibit the Adhesion of to Gastric Cells.. <i>ACS Applied Bio Materials</i> , <b>2019</b> , 2, 4777-4789	4.1	4



26	A single intracellular protein governs the critical transition from an individual to a coordinated population response during quorum sensing: Origins of primordial language		4
25	Screening of Bacterial Quorum Sensing Inhibitors in a LuxR-Based Synthetic Fluorescent Biosensor. <i>Pharmaceuticals</i> , <b>2020</b> , 13,	5.2	4
24	Chitosan Nanocomplexes for the Delivery of ENaC Antisense Oligonucleotides to Airway Epithelial Cells. <i>Biomolecules</i> , <b>2020</b> , 10,	5.9	4
23	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> , <b>2021</b> , 321, 114743	6	4
22	Aptamer-Target-Gold Nanoparticle Conjugates for the Quantification of Fumonisin B1. <i>Biosensors</i> , <b>2021</b> , 11,	5.9	4
21	Assessment of the Quorum Sensing Inhibition Activity of a Non-Toxic Chitosan in an -Acyl Homoserine Lactone (AHL)-Based Biosensor. <i>Biomolecules</i> , <b>2018</b> , 8,	5.9	4
20	Chitosan-polysaccharide blended nanoparticles for controlled drug delivery <b>2008</b> , 644-679		3
19	Fractionation and Characterization of the Monosaccharides from Mesquite Prosopis spp. and Arabic Gum by Normal, Bonded Phase, HPLC. <i>Journal of Liquid Chromatography and Related Technologies</i> , <b>2006</b> , 29, 1991-1999	1.3	3
18	Capsaicin-Loaded Chitosan Nanocapsules for wtCFTR-mRNA Delivery to a Cystic Fibrosis Cell Line. <i>Biomedicines</i> , <b>2020</b> , 8,	4.8	3
17	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> , <b>2021</b> , 101, 2756-2766	4.3	3
16	Capsaicinoids: Occurrence, Chemistry, Biosynthesis, and Biological Effects <b>2017</b> , 499-514		2
15	Acemannan Gels and Aerogels. <i>Polymers</i> , <b>2019</b> , 11,	4.5	2
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