

Fwu-Long Mi

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130
papers

9,945
citations

54
h-index

98
g-index

134
ext. papers

10,945
ext. citations

8.7
avg, IF

6.22
L-index

#	Paper	IF	Citations
130	A novel pH-sensitive hydrogel composed of N,O-carboxymethyl chitosan and alginate cross-linked by genipin for protein drug delivery. <i>Journal of Controlled Release</i> , 2004 , 96, 285-300	11.7	723
129	Fabrication and characterization of a sponge-like asymmetric chitosan membrane as a wound dressing. <i>Biomaterials</i> , 2001 , 22, 165-73	15.6	573
128	In vivo biocompatibility and degradability of a novel injectable-chitosan-based implant. <i>Biomaterials</i> , 2002 , 23, 181-91	15.6	454
127	Recent advances in chitosan-based nanoparticles for oral delivery of macromolecules. <i>Advanced Drug Delivery Reviews</i> , 2013 , 65, 865-79	18.5	307
126	Preparation and characterization of nanoparticles shelled with chitosan for oral insulin delivery. <i>Biomacromolecules</i> , 2007 , 8, 146-52	6.9	291
125	Drug release from chitosan-alginate complex beads reinforced by a naturally occurring cross-linking agent. <i>Carbohydrate Polymers</i> , 2002 , 48, 61-72	10.3	253
124	Control of wound infections using a bilayer chitosan wound dressing with sustainable antibiotic delivery. <i>Journal of Biomedical Materials Research Part B</i> , 2002 , 59, 438-49		239
123	Equilibrium and kinetic studies of copper(II) ion uptake by chitosan-tripolyphosphate chelating resin. <i>Polymer</i> , 2001 , 42, 1879-1892	3.9	237
122	Preparation and characterization on mechanical and antibacterial properties of chitsoan/cellulose blends. <i>Carbohydrate Polymers</i> , 2004 , 57, 435-440	10.3	214
121	Synthesis and characterization of biodegradable TPP/genipin co-crosslinked chitosan gel beads. <i>Polymer</i> , 2003 , 44, 6521-6530	3.9	205
120	Characterization of ring-opening polymerization of genipin and pH-dependent cross-linking reactions between chitosan and genipin. <i>Journal of Polymer Science Part A</i> , 2005 , 43, 1985-2000	2.5	194
119	Synthesis and characterization of a novel chitosan-based network prepared using naturally occurring crosslinker. <i>Journal of Polymer Science Part A</i> , 2000 , 38, 2804-2814	2.5	184
118	The characteristics, cellular uptake and intracellular trafficking of nanoparticles made of hydrophobically-modified chitosan. <i>Journal of Controlled Release</i> , 2010 , 146, 152-9	11.7	180
117	Kinetic study of chitosan-tripolyphosphate complex reaction and acid-resistive properties of the chitosan-tripolyphosphate gel beads prepared by in-liquid curing method. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999 , 37, 1551-1564	2.6	164
116	Characterization of tea catechins-loaded nanoparticles prepared from chitosan and an edible polypeptide. <i>Food Hydrocolloids</i> , 2013 , 30, 33-41	10.6	155
115	In vitro evaluation of a chitosan membrane cross-linked with genipin. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2001 , 12, 835-50	3.5	152
114	Multi-ion-crosslinked nanoparticles with pH-responsive characteristics for oral delivery of protein drugs. <i>Journal of Controlled Release</i> , 2008 , 132, 141-9	11.7	150

113	Asymmetric chitosan membranes prepared by dry/wet phase separation: a new type of wound dressing for controlled antibacterial release. <i>Journal of Membrane Science</i> , 2003 , 212, 237-254	9.6	143
112	Heparin-functionalized chitosan-alginate scaffolds for controlled release of growth factor. <i>International Journal of Pharmaceutics</i> , 2009 , 376, 69-75	6.5	140
111	The study of gelation kinetics and chain-relaxation properties of glutaraldehyde-cross-linked chitosan gel and their effects on microspheres preparation and drug release. <i>Carbohydrate Polymers</i> , 2000 , 41, 389-396	10.3	138
110	Porous chitosan microsphere for controlling the antigen release of Newcastle disease vaccine: preparation of antigen-adsorbed microsphere and in vitro release. <i>Biomaterials</i> , 1999 , 20, 1603-12	15.6	129
109	Synthesis and characterization of a novel chitosan-gelatin bioconjugate with fluorescence emission. <i>Biomacromolecules</i> , 2005 , 6, 975-87	6.9	128
108	Rapidly self-expandable polymeric stents with a shape-memory property. <i>Biomacromolecules</i> , 2007 , 8, 2774-80	6.9	124
107	Enzymatic grafting of carboxyl groups on to chitosan--to confer on chitosan the property of a cationic dye adsorbent. <i>Bioresource Technology</i> , 2004 , 91, 157-62	11	123
106	Oral delivery of peptide drugs using nanoparticles self-assembled by poly(gamma-glutamic acid) and a chitosan derivative functionalized by trimethylation. <i>Bioconjugate Chemistry</i> , 2008 , 19, 1248-55	6.3	122
105	Chitin/PLGA blend microspheres as a biodegradable drug delivery system: a new delivery system for protein. <i>Biomaterials</i> , 2003 , 24, 5023-36	15.6	115
104	Heparinized chitosan/poly(γ -glutamic acid) nanoparticles for multi-functional delivery of fibroblast growth factor and heparin. <i>Biomaterials</i> , 2010 , 31, 9320-32	15.6	114
103	Chitin/PLGA blend microspheres as a biodegradable drug-delivery system: phase-separation, degradation and release behavior. <i>Biomaterials</i> , 2002 , 23, 3257-67	15.6	104
102	Novel living cell sheet harvest system composed of thermoreversible methylcellulose hydrogels. <i>Biomacromolecules</i> , 2006 , 7, 736-43	6.9	103
101	Chitosan-polyelectrolyte complexation for the preparation of gel beads and controlled release of anticancer drug. II. Effect of pH-dependent ionic crosslinking or interpolymer complex using tripolyphosphate or polyphosphate as reagent. <i>Journal of Applied Polymer Science</i> , 1999 , 74, 1093-1107	2.9	101
100	Active gellan gum/purple sweet potato composite films capable of monitoring pH variations. <i>Food Hydrocolloids</i> , 2017 , 69, 491-502	10.6	96
99	Development of a new type of multifunctional fucoidan-based nanoparticles for anticancer drug delivery. <i>Carbohydrate Polymers</i> , 2017 , 165, 410-420	10.3	94
98	Drug release and antioxidant/antibacterial activities of silymarin-zein nanoparticle/bacterial cellulose nanofiber composite films. <i>Carbohydrate Polymers</i> , 2018 , 180, 286-296	10.3	91
97	Self-Assembled pH-Sensitive Nanoparticles: A Platform for Oral Delivery of Protein Drugs. <i>Advanced Functional Materials</i> , 2010 , 20, 3695-3700	15.6	89
96	Chitosan-polyelectrolyte complexation for the preparation of gel beads and controlled release of anticancer drug. I. Effect of phosphorous polyelectrolyte complex and enzymatic hydrolysis of polymer 1999 , 74, 1868-1879		89

95	The use of biodegradable polymeric nanoparticles in combination with a low-pressure gene gun for transdermal DNA delivery. <i>Biomaterials</i> , 2008 , 29, 742-51	15.6	87
94	Novel technology for the preparation of self-assembled catechin/gelatin nanoparticles and their characterization. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 6728-34	5.7	85
93	Active films from water-soluble chitosan/cellulose composites incorporating releasable caffeic acid for inhibition of lipid oxidation in fish oil emulsions. <i>Food Hydrocolloids</i> , 2013 , 32, 9-19	10.6	79
92	Delivery of berberine using chitosan/fucoidan-aurine conjugate nanoparticles for treatment of defective intestinal epithelial tight junction barrier. <i>Marine Drugs</i> , 2014 , 12, 5677-97	6	78
91	Release of indomethacin from a novel chitosan microsphere prepared by a naturally occurring crosslinker: Examination of crosslinking and polycation-anionic drug interaction. <i>Journal of Applied Polymer Science</i> , 2001 , 81, 1700-1711	2.9	76
90	Development of multifunctional nanoparticles self-assembled from trimethyl chitosan and fucoidan for enhanced oral delivery of insulin. <i>International Journal of Biological Macromolecules</i> , 2019 , 126, 141-150	7.9	74
89	Multifunctional nanoparticles prepared from arginine-modified chitosan and thiolated fucoidan for oral delivery of hydrophobic and hydrophilic drugs. <i>Carbohydrate Polymers</i> , 2018 , 193, 163-172	10.3	71
88	Preparation of fucoidan-shelled and genipin-crosslinked chitosan beads for antibacterial application. <i>Carbohydrate Polymers</i> , 2015 , 126, 97-107	10.3	70
87	Combination of carboxymethyl chitosan-coated magnetic nanoparticles and chitosan-citrate complex gel beads as a novel magnetic adsorbent. <i>Carbohydrate Polymers</i> , 2015 , 131, 255-63	10.3	67
86	Adsorption of indomethacin onto chemically modified chitosan beads. <i>Polymer</i> , 2002 , 43, 757-765	3.9	67
85	Synthesis of zero-valent copper-chitosan nanocomposites and their application for treatment of hexavalent chromium. <i>Bioresource Technology</i> , 2009 , 100, 4348-53	11	66
84	Preparation and characterization of radical and pH-responsive chitosan-gallic acid conjugate drug carriers. <i>Carbohydrate Polymers</i> , 2011 , 84, 794-802	10.3	64
83	Adsorption of copper(II) ions by a chitosan-oxalate complex biosorbent. <i>International Journal of Biological Macromolecules</i> , 2015 , 72, 136-44	7.9	62
82	Elucidating the signaling mechanism of an epithelial tight-junction opening induced by chitosan. <i>Biomaterials</i> , 2012 , 33, 6254-63	15.6	62
81	Mechanistic study of transfection of chitosan/DNA complexes coated by anionic poly(L-glutamic acid). <i>Biomaterials</i> , 2012 , 33, 3306-15	15.6	59
80	Nanoparticle-induced tight-junction opening for the transport of an anti-angiogenic sulfated polysaccharide across Caco-2 cell monolayers. <i>Acta Biomaterialia</i> , 2013 , 9, 7449-59	10.8	56
79	Development of genipin-crosslinked and fucoidan-adsorbed nano-hydroxyapatite/hydroxypropyl chitosan composite scaffolds for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019 , 128, 973-984	7.9	55
78	Antibacterial activity of chitosan-alginate sponges incorporating silver sulfadiazine: Effect of ladder-loop transition of interpolyelectrolyte complex and ionic crosslinking on the antibiotic release. <i>Journal of Applied Polymer Science</i> , 2005 , 98, 538-549	2.9	54

77	A novel injectable in situ forming gel based on carboxymethyl hexanoyl chitosan/hyaluronic acid polymer blending for sustained release of berberine. <i>Carbohydrate Polymers</i> , 2019 , 206, 664-673	10.3	54
76	HO-Depleting and O-Generating Selenium Nanoparticles for Fluorescence Imaging and Photodynamic Treatment of Proinflammatory-Activated Macrophages. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5158-5172	9.5	52
75	Fucoidan-based, tumor-activated nanoplatform for overcoming hypoxia and enhancing photodynamic therapy and antitumor immunity. <i>Biomaterials</i> , 2020 , 257, 120227	15.6	51
74	Antibacterial Effects of Chitosan/Cationic Peptide Nanoparticles. <i>Nanomaterials</i> , 2018 , 8,	5.4	51
73	Physicochemical, antimicrobial, and cytotoxic characteristics of a chitosan film cross-linked by a naturally occurring cross-linking agent, aglycone geniposidic acid. <i>Journal of Agricultural and Food Chemistry</i> , 2006 , 54, 3290-6	5.7	51
72	Catalase-Modulated Heterogeneous Fenton Reaction for Selective Cancer Cell Eradication: SnFeO Nanocrystals as an Effective Reagent for Treating Lung Cancer Cells. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 1273-1279	9.5	50
71	EGCG/gelatin-doxorubicin gold nanoparticles enhance therapeutic efficacy of doxorubicin for prostate cancer treatment. <i>Nanomedicine</i> , 2016 , 11, 9-30	5.6	50
70	Synthesis of a novel glycoconjugated chitosan and preparation of its derived nanoparticles for targeting HepG2 cells. <i>Biomacromolecules</i> , 2007 , 8, 892-8	6.9	50
69	Tea catechins-cross-linked methylcellulose active films for inhibition of light irradiation and lipid peroxidation induced β -carotene degradation. <i>Food Hydrocolloids</i> , 2015 , 44, 491-505	10.6	49
68	Preparation and characterization of porous chitosan-tripolyphosphate beads for copper(II) ion adsorption. <i>Journal of Applied Polymer Science</i> , 2013 , 127, 4573-4580	2.9	46
67	Noninvasive imaging oral absorption of insulin delivered by nanoparticles and its stimulated glucose utilization in controlling postprandial hyperglycemia during OGTT in diabetic rats. <i>Journal of Controlled Release</i> , 2013 , 172, 513-22	11.7	44
66	Development of bacterial cellulose/chitin multi-nanofibers based smart films containing natural active microspheres and nanoparticles formed in situ. <i>Carbohydrate Polymers</i> , 2020 , 228, 115370	10.3	44
65	Active and intelligent gellan gum-based packaging films for controlling anthocyanins release and monitoring food freshness. <i>Carbohydrate Polymers</i> , 2021 , 254, 117410	10.3	43
64	Combination therapy via oral co-administration of insulin- and exendin-4-loaded nanoparticles to treat type 2 diabetic rats undergoing OGTT. <i>Biomaterials</i> , 2013 , 34, 7994-8001	15.6	42
63	Miscibility, mechanical characteristic and platelet adhesion of 6-O-carboxymethylchitosan/polyurethane semi-IPN membranes. <i>Journal of Membrane Science</i> , 2006 , 276, 68-80	9.6	41
62	Fabrication of chondroitin sulfate-chitosan composite artificial extracellular matrix for stabilization of fibroblast growth factor. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 76, 1-15	5.4	40
61	Chitosan microspheres: modification of polymeric chem-physical properties of spray-dried microspheres to control the release of antibiotic drug. <i>Journal of Applied Polymer Science</i> , 1999 , 71, 747-759	2.9	40
60	Iron(III)-carboxymethylchitin microsphere for the pH-sensitive release of 6-mercaptopurine. <i>Journal of Controlled Release</i> , 1997 , 44, 19-32	11.7	39

59	Enhancement of the permeability and activities of epigallocatechin gallate by quaternary ammonium chitosan/fucoidan nanoparticles. <i>Carbohydrate Polymers</i> , 2020 , 242, 116312	10.3	38
58	Preparation and properties of pH-responsive, self-assembled colloidal nanoparticles from guanidine-containing polypeptide and chitosan for antibiotic delivery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 494, 9-20	5.1	38
57	Engineering a Nanoscale Al-MOF-Armored Antigen Carried by a Trojan Horse-Like Platform for Oral Vaccination to Induce Potent and Long-Lasting Immunity. <i>Advanced Functional Materials</i> , 2019 , 29, 1904828	15.6	37
56	Effect of Grape Seed Proanthocyanidin-Gelatin Colloidal Complexes on Stability and in Vitro Digestion of Fish Oil Emulsions. <i>Journal of Agricultural and Food Chemistry</i> , 2015 , 63, 10200-8	5.7	37
55	Conductive Materials for Healing Wounds: Their Incorporation in Electroactive Wound Dressings, Characterization, and Perspectives. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001384	10.1	37
54	Anthraquinonol, a Ubiquinone Derivative from the Mushroom <i>Antrodia camphorata</i> , Inhibits Colon Cancer Stem Cell-like Properties: Insights into the Molecular Mechanism and Inhibitory Targets. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 51-59	5.7	36
53	Free DOX and chitosan-N-arginine conjugate stabilized indocyanine green nanoparticles for combined chemophotothermal therapy. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 136, 402-12	6	33
52	Self-organized nanoparticles prepared by guanidine- and disulfide-modified chitosan as a gene delivery carrier. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16918		33
51	Thiol-modified chitosan sulfate nanoparticles for protection and release of basic fibroblast growth factor. <i>Bioconjugate Chemistry</i> , 2010 , 21, 28-38	6.3	33
50	pH-sensitive behavior of two-component hydrogels composed of N,O-carboxymethyl chitosan and alginate. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2005 , 16, 1333-45	3.5	33
49	Temperature/pH/Enzyme Triple-Responsive Cationic Protein/PAA-b-PNIPAAm Nanogels for Controlled Anticancer Drug and Photosensitizer Delivery against Multidrug Resistant Breast Cancer Cells. <i>Molecular Pharmaceutics</i> , 2017 , 14, 4648-4660	5.6	32
48	Fucoidan from <i>Laminaria japonica</i> exerts antitumor effects on angiogenesis and micrometastasis in triple-negative breast cancer cells. <i>International Journal of Biological Macromolecules</i> , 2020 , 149, 600-608	7.9	32
47	Preparation of a silver nanoparticle-based dual-functional sensor using a complexation-reduction method. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 21243-53	3.6	32
46	Chitosan tablets for controlled release of theophylline: Effect of polymer/drug wet or dry blending and anionic/cationic interpolymer complex. <i>Journal of Applied Polymer Science</i> , 1997 , 66, 2495-2505	2.05	32
45	Development of nanocomposite scaffolds based on biomineralization of N,O-carboxymethyl chitosan/fucoidan conjugates for bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 2335-2345	7.9	32
44	FRET-based dual-emission and pH-responsive nanocarriers for enhanced delivery of protein across intestinal epithelial cell barrier. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 18275-89	9.5	31
43	Development of genipin-crosslinked fucoidan/chitosan-N-arginine nanogels for preventing <i>Helicobacter</i> infection. <i>Nanomedicine</i> , 2017 , 12, 1491-1510	5.6	30
42	Rapidly in situ forming hydrophobically-modified chitosan hydrogels via pH-responsive nanostructure transformation. <i>Soft Matter</i> , 2009 , 5, 962	3.6	30

41	Self-Targeting, Immune Transparent Plasma Protein Coated Nanocomplex for Noninvasive Photothermal Anticancer Therapy. <i>Advanced Healthcare Materials</i> , 2017 , 6, 1700181	10.1	29
40	Single-injecting, bioinspired nanocomposite hydrogel that can recruit host immune cells in situ to elicit potent and long-lasting humoral immune responses. <i>Biomaterials</i> , 2019 , 216, 119268	15.6	29
39	CD44-specific nanoparticles for redox-triggered reactive oxygen species production and doxorubicin release. <i>Acta Biomaterialia</i> , 2016 , 35, 280-92	10.8	29
38	Stimuli-responsive materials prepared from carboxymethyl chitosan and poly(L-glutamic acid) for protein delivery. <i>Carbohydrate Polymers</i> , 2012 , 87, 531-536	10.3	27
37	Chitosan: Its Applications in Drug-Eluting Devices. <i>Advances in Polymer Science</i> , 2011 , 185-230	1.3	24
36	Self-assembling bubble carriers for oral protein delivery. <i>Biomaterials</i> , 2015 , 64, 115-24	15.6	23
35	Preparation and characterization of N-acetylchitosan, N-propionylchitosan and N-butyrylchitosan microspheres for controlled release of 6-mercaptopurine. <i>Carbohydrate Polymers</i> , 2005 , 60, 219-227	10.3	22
34	Strategies for improving diabetic therapy via alternative administration routes that involve stimuli-responsive insulin-delivering systems. <i>Advanced Drug Delivery Reviews</i> , 2019 , 139, 71-82	18.5	22
33	Safety and efficacy of self-assembling bubble carriers stabilized with sodium dodecyl sulfate for oral delivery of therapeutic proteins. <i>Journal of Controlled Release</i> , 2017 , 259, 168-175	11.7	21
32	Hydrogel microspheres for stabilization of an antioxidant enzyme: effect of emulsion cross-linking of a dual polysaccharide system on the protection of enzyme activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 113, 59-68	6	21
31	Development of Injectable Fucoidan and Biological Macromolecules Hybrid Hydrogels for Intra-Articular Delivery of Platelet-Rich Plasma. <i>Marine Drugs</i> , 2019 , 17,	6	19
30	Tripolyphosphate cross-linked macromolecular composites for the growth of shape- and size-controlled apatites. <i>Molecules</i> , 2012 , 18, 27-40	4.8	19
29	Sustained-release of oxytetracycline from chitosan microspheres prepared by interfacial acylation and spray hardening methods. <i>Journal of Microencapsulation</i> , 1997 , 14, 577-91	3.4	19
28	Synthesis and characterization of Gd-DTPA/fucoidan/peptide complex nanoparticle and in vitro magnetic resonance imaging of inflamed endothelial cells. <i>Materials Science and Engineering C</i> , 2020 , 114, 111064	8.3	17
27	Oral Nonviral Gene Delivery for Chronic Protein Replacement Therapy. <i>Advanced Science</i> , 2018 , 5, 1701079	13.6	17
26	A bioinspired hyperthermic macrophage-based polypyrrole-polyethylenimine (Ppy-PEI) nanocomplex carrier to prevent and disrupt thrombotic fibrin clots. <i>Acta Biomaterialia</i> , 2019 , 96, 468-479	10.8	17
25	Effect of tannic acid-fish scale gelatin hydrolysate hybrid nanoparticles on intestinal barrier function and α -amylase activity. <i>Food and Function</i> , 2015 , 6, 2283-92	6.1	16
24	Cure kinetics of a cyanate ester blended with poly(phenylene oxide). <i>Polymer International</i> , 2006 , 55, 1296-1303	3.3	16

23	Enhanced anticancer effect of ROS-boosted photothermal therapy by using fucoidan-coated polypyrrole nanoparticles. <i>International Journal of Biological Macromolecules</i> , 2021 , 166, 98-107	7.9	16
22	Polysaccharide-based artificial extracellular matrix: Preparation and characterization of three-dimensional, macroporous chitosan and chondroitin sulfate composite scaffolds. <i>Journal of Applied Polymer Science</i> , 2006 , 99, 2091-2100	2.9	15
21	Synthesis and characterization of a novel glycoconjugated macromolecule. <i>Polymer</i> , 2006 , 47, 4348-4358	3.9	14
20	Delivery of polysaccharides from <i>Ophiopogon japonicus</i> (OJPs) using OJPs/chitosan/whey protein co-assembled nanoparticles to treat defective intestinal epithelial tight junction barrier. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 558-570	7.9	12
19	Active Tumor-Targeted co-Delivery of Epigallocatechin Gallate and Doxorubicin in Nanoparticles for Combination Gastric Cancer Therapy. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2847-2859	5.5	12
18	Polysaccharide-based artificial extracellular matrix: Preparation and characterization of three-dimensional, macroporous chitosan, and heparin composite scaffold. <i>Journal of Applied Polymer Science</i> , 2008 , 109, 3639-3644	2.9	12
17	Treatment of chemotherapy-induced neutropenia in a rat model by using multiple daily doses of oral administration of G-CSF-containing nanoparticles. <i>Biomaterials</i> , 2014 , 35, 3641-9	15.6	11
16	Synthesis and evaluation of antibacterial and anti-oxidant activity of small molecular chitosan-fucoidan conjugate nanoparticles. <i>Research on Chemical Intermediates</i> , 2018 , 44, 4855-4871	2.8	10
15	A bubble bursting-mediated oral drug delivery system that enables concurrent delivery of lipophilic and hydrophilic chemotherapeutics for treating pancreatic tumors in rats. <i>Biomaterials</i> , 2020 , 255, 120157	15.6	9
14	A smart and active film with tunable drug release and color change abilities for detection and inhibition of bacterial growth. <i>Materials Science and Engineering C</i> , 2021 , 118, 111396	8.3	9
13	A Noninvasive Gut-to-Brain Oral Drug Delivery System for Treating Brain Tumors. <i>Advanced Materials</i> , 2021 , 33, e2100701	24	9
12	Engineering an integrated electroactive dressing to accelerate wound healing and monitor noninvasively progress of healing. <i>Nano Energy</i> , 2022 , 99, 107393	17.1	6
11	Thrombus-specific theranostic nanocomposite for codelivery of thrombolytic drug, algae-derived anticoagulant and NIR fluorescent contrast agent. <i>Acta Biomaterialia</i> , 2021 , 134, 686-701	10.8	5
10	Synthesis and characterization of a novel chitosan-based network prepared using naturally occurring crosslinker 2000 , 38, 2804		5
9	Modification of chitosan nanofibers with CuS and fucoidan for antibacterial and bone tissue engineering applications.. <i>Carbohydrate Polymers</i> , 2022 , 281, 119035	10.3	4
8	Characterization and toxicology evaluation of low molecular weight chitosan on zebrafish. <i>Carbohydrate Polymers</i> , 2020 , 240, 116164	10.3	3
7	Electrospun CuS nanoparticles/chitosan nanofiber composites for visible and near-infrared light-driven catalytic degradation of antibiotic pollutants. <i>Chemical Engineering Journal</i> , 2022 , 431, 134059	14.7	3
6	Structure characterizations and protein resistance of chitosan membranes selectively crosslinked by poly(ethylene glycol) dimethacrylate. <i>Cellulose</i> , 2014 , 21, 1431-1444	5.5	2

- 5 Aglycone geniposidic acid, a naturally occurring crosslinking agent, and its application for the fixation of collagenous tissues. *Journal of Biomedical Materials Research - Part A*, **2007**, 83, 667-73 5-4 2
- 4 Kinetic study of chitosan-tripolyphosphate complex reaction and acid-resistive properties of the chitosan-tripolyphosphate gel beads prepared by in-liquid curing method **1999**, 37, 1551 2
- 3 Synthesis and characterization of a novel chitosan-based network prepared using naturally occurring crosslinker **2000**, 38, 2804 2
- 2 Chitosan microspheres: modification of polymeric chem-physical properties of spray-dried microspheres to control the release of antibiotic drug **1999**, 71, 747 1
- 1 Kinetic study of chitosan-tripolyphosphate complex reaction and acid-resistive properties of the chitosan-tripolyphosphate gel beads prepared by in-liquid curing method **1999**, 37, 1551 1