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Chitins and chitosans for the repair of wounded skin, nerve, cartilage and bone

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#	Paper	IF	Citations
912	Health benefit application of functional oligosaccharides. <i>Carbohydrate Polymers</i> , 2009 , 77, 435-441	10.3	161
911	Genipin-crosslinked chitosan hydrogels as biomedical and pharmaceutical aids. <i>Carbohydrate Polymers</i> , 2009 , 77, 1-9	10.3	521
910	Growth and osteogenic differentiation of adipose-derived and bone marrow-derived stem cells on chitosan and chitooligosaccharide films. <i>Carbohydrate Polymers</i> , 2009 , 78, 873-878	10.3	38
909	Antibacterial properties of mesoporous copper-doped silica xerogels. 2009 , 4, 045008		29
908	Chitosan and its salts for mucosal and transmucosal delivery. 2009 , 6, 923-39		68
907	. 2009 ,		2
906	Chapter 9: Artificial scaffolds for peripheral nerve reconstruction. 2009 , 87, 173-98		68
905	Chitosan Amphiphilic Derivatives. Chemistry and Applications. 2010 , 14, 308-330		202
904	Chitosan Scaffolds for Bone Regeneration. 2010 , 223-239		2
903	Medical Applications of Chitin and Chitosan. 2010 , 405-413		3
902	Applications of Chitosan and Its Derivatives in Veterinary Medicine. 2010 , 461-478		1
901	Structural and rheological properties of chitosan semi-interpenetrated networks. 2010 , 32, 109-18		11
900	Chitosan in nanostructured thin films. 2010 , 11, 1897-908		156
899	Preparation and characterization of novel E-chitin/nanosilver composite scaffolds for wound dressing applications. <i>Carbohydrate Polymers</i> , 2010 , 80, 761-767	10.3	232
898	Non-woven mats of poly(vinyl alcohol)/chitosan blends containing silver nanoparticles: Fabrication and characterization. <i>Carbohydrate Polymers</i> , 2010 , 82, 472-479	10.3	109
897	A new fracturing fluid with combination of single phase microemulsion and gelable polymer system. 2010 , 73, 267-271		25
896	Directionally Solidified Biopolymer Scaffolds: Mechanical Properties and Endothelial Cell Responses. 2010 , 62, 71-75		27

895	Spray-spinning: a novel method for making alginate/chitosan fibrous scaffold. 2010 , 21, 497-506		8
894	Chitosan scaffolds for osteochondral tissue regeneration. 2010 , 95, 1132-41		67
893	Simultaneous Determination of Ascorbic Acid, Dopamine and Uric Acid with Chitosan-Graphene Modified Electrode. 2010 , 22, 2001-2008		286
892	Contact-Killing Polyelectrolyte Microcapsules Based on Chitosan Derivatives. 2010 , 20, 3303-3312		44
891	Engineering nanoassemblies of polysaccharides. 2010 , 22, 2998-3016		124
890	Preparation of acetylated chitosan sponges (chitin sponges). 2010 , 117, NA-NA		1
889	Novel biodegradable chitosan/gelatin/nano-bioactive glass ceramic composite scaffolds for alveolar bone tissue engineering. 2010 , 158, 353-361		306
888	Nanocomposite scaffolds of bioactive glass ceramic nanoparticles disseminated chitosan matrix for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2010 , 79, 284-289	10.3	153
887	Characterization and in vivo evaluation of ketotifen-loaded chitosan microspheres. <i>Carbohydrate Polymers</i> , 2010 , 79, 1006-1013	10.3	30
886	A facile approach to construct three-dimensional oriented chitosan scaffolds with in-situ precipitation method. <i>Carbohydrate Polymers</i> , 2010 , 80, 408-412	10.3	12
885	Preparation and characterization of chitosan/gelatin/nanohydroxyapatite composite scaffolds for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2010 , 80, 687-694	10.3	270
884	Chitosan/g-PLGA copolymer as a thermosensitive membrane. <i>Carbohydrate Polymers</i> , 2010 , 80, 740-746	10.3	48
883	Antibacterial activity and biocompatibility of a chitosan-gamma-poly(glutamic acid) polyelectrolyte complex hydrogel. 2010 , 345, 1774-80		123
882	Biofilms of chitosan-gold nanorods as a novel composite for the laser welding of biological tissue. 2010 ,		1
881	Preparation and In Vitro Evaluation of Chitosan Bioelectret Membranes for Guided Bone Regeneration. 2010 , 25, 622-633		14
880	Chitosan Membrane with Surface-bonded Growth Factor in Guided Tissue Regeneration Applications. 2010 , 25, 465-482		15
879	Hybrid materials based on clays for environmental and biomedical applications. 2010 , 20, 9306		265
878	Chitin, chitosan and derivatives for wound healing and tissue engineering. 2011 , 125, 1-27		38

877	Responsive and in situ-forming chitosan scaffolds for bone tissue engineering applications: an overview of the last decade. 2010 , 20, 1638-1645	70
876	Electrostatic interactions are not sufficient to account for chitosan bioactivity. 2010 , 2, 246-51	39
875	Chemical analysis of Agaricus blazei polysaccharides and effect of the polysaccharides on IL-1beta mRNA expression in skin of burn wound-treated rats. 2010 , 47, 155-7	17
874	Thermally sensitive gels based on chitosan derivatives for the treatment of oral mucositis. 2010 , 74, 248-54	59
873	Chitosan modification and pharmaceutical/biomedical applications. 2010 , 8, 1962-87	346
872	Chitins and chitosans as immunoadjuvants and non-allergenic drug carriers. 2010 , 8, 292-312	319
871	Production of chitooligosaccharides and their potential applications in medicine. 2010 , 8, 1482-517	431
870	Polysaccharide based scaffolds obtained by freezing the external phase of gas-in-liquid foams. 2010 , 6, 5213	55
869	Osteoid-mimicking dense collagen/chitosan hybrid gels. 2011 , 12, 2946-56	49
868	Silver nanoparticles as real topical bullets for wound healing. 2011 , 3, 82-96	109
867	Chitosan. 2011 , 221-237	10
866	Chitosan: A Promising Biomaterial for Tissue Engineering Scaffolds. 2011 , 45-79	31
865	Chitin scaffolds in tissue engineering. 2011 , 12, 1876-87	133
864	New Techniques for Optimization of Surface Area and Porosity in Nanochitins and Nanochitosans. 2011 , 167-186	13
863	Polymers of Biological Origin. 2011 , 187-205	1
862	Physiological cartilage tissue engineering effect of oxygen and biomechanics. 2011 , 289, 37-87	11
861	Applications of advanced hybrid organic-inorganic nanomaterials: from laboratory to market. 2011 , 40, 696-753	1060
860	Chitosan oligosaccharides protect mice from LPS challenge by attenuation of inflammation and oxidative stress. 2011 , 11, 121-7	126

859	Preparation and chemical and biological characterization of a pectin/chitosan polyelectrolyte complex scaffold for possible bone tissue engineering applications. 2011 , 48, 112-8	130
858	Synthesis, characterization and cytocompatibility studies of chitin hydrogel/nano hydroxyapatite composite scaffolds. 2011 , 49, 20-31	57
857	A physico-chemical and biological study of novel chitosan-chloroquinoline derivative for biomedical applications. 2011 , 49, 356-61	45
856	Sodium hyaluronate/chitosan polyelectrolyte complex scaffolds for dental pulp regeneration: synthesis and characterization. 2011 , 49, 573-9	80
855	Chitosan scaffolds containing silicon dioxide and zirconia nano particles for bone tissue engineering. 2011 , 49, 1167-72	83
854	Softening bioactive glass for bone regeneration: sol-gel hybrid materials. 2011 , 7, 5083	117
853	Thrombin production and human neutrophil elastase sequestration by modified cellulosic dressings and their electrokinetic analysis. 2011 , 2, 391-413	16
852	Biomedical exploitation of chitin and chitosan via mechano-chemical disassembly, electrospinning, dissolution in imidazolium ionic liquids, and supercritical drying. 2011 , 9, 1510-33	158
851	Development of chitosan/ dicarboxylic acid hydrogels as wound dressing materials. 2011 , 26, 519-536	28
850	The Effect of Polymer Molecular Weight on Citrate Crosslinked Chitosan Films for Site-Specific Delivery of a Non-Polar Drug. 2011 , 9,	0
849	Novel Chitin and Chitosan Materials in Wound Dressing. 2011 ,	8
848	Chemical Properties of Chitosan as a Marine Cosmeceutical. 2011 , 39-50	1
847	Sutureless closure of scleral wounds in animal models by the use of laser welded biocompatible patches. 2011 ,	
846	Enzymatically crosslinked carboxymethylchitosan/gelatin/nano-hydroxyapatite injectable gels for in situ bone tissue engineering application. 2011 , 31, 1295-1304	79
845	Biomimetic bone scaffolds based on chitosan and calcium phosphates. 2011 , 65, 1681-1683	23
844	4th BBBB International Conference on Pharmaceutical Sciences. 2011 , 44, 1-204	28
843	Biomaterials based on chitin and chitosan in wound dressing applications. 2011 , 29, 322-37	1311
842	Health benefits of marine foods and ingredients. 2011 , 29, 508-18	149

841	Electrospinning of chitosan derivative nanofibers with structural stability in an aqueous environment. 2011 , 13, 9969-72		36
840	Layer-by-layer assembly of polysaccharide-based polyelectrolyte multilayers: a spectroscopic study of hydrophilicity, composition, and ion pairing. 2011 , 12, 2755-65		105
839	Preparation and characterization of electrospun PCL/PLGA membranes and chitosan/gelatin hydrogels for skin bioengineering applications. 2011 , 22, 2207-18		60
838	Protonation behavior of 6-deoxy-6-(2-aminoethyl)amino cellulose: a potentiometric titration study. 2011 , 18, 33-43		33
837	Evaluation of chitosan/̢poly(glutamic acid) polyelectrolyte complex for wound dressing materials. <i>Carbohydrate Polymers</i> , 2011 , 84, 812-819	10.3	116
836	Production and characterization of thick, thin and ultra-thin chitosan/PEO films. <i>Carbohydrate Polymers</i> , 2011 , 83, 375-382	10.3	35
835	N-(2-hydroxypropyl)-3-trimethylammonium chitosan-poly(̢-caprolactone) copolymers and their antibacterial activity. <i>Carbohydrate Polymers</i> , 2011 , 83, 824-830	10.3	16
834	Oligoamines conjugated chitosan derivatives: Synthesis, characterization, in vitro and in vivo biocompatibility evaluations. <i>Carbohydrate Polymers</i> , 2011 , 83, 1153-1161	10.3	30
833	Electrospinning of chitosan nanofibers: The favorable effect of metal ions. <i>Carbohydrate Polymers</i> , 2011 , 84, 239-246	10.3	63
832	The mineralization of electrospun chitosan/poly(vinyl alcohol) nanofibrous membranes. <i>Carbohydrate Polymers</i> , 2011 , 84, 990-996	10.3	39
831	Visco-elastic properties of chitosan/titania nano-composites. <i>Carbohydrate Polymers</i> , 2011 , 85, 356-362	10.3	55
830	Electrospinning and characterization of konjac glucomannan/chitosan nanofibrous scaffolds favoring the growth of bone mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2011 , 85, 681-686	10.3	33
829	Synthesis of visible light-induced cross-linkable chitosan as an anti-adhesive agent. 2011 , 19, 216-220		8
828	Preparation and characterization of poly(hydroxyethyl methacrylate-co-poly(ethyleneglycol-methacrylate)/hydroxypropyl-chitosan) hydrogel films: Adhesion of rat mesenchymal stem cells. 2011 , 19, 385-395		16
827	The effect of carboxymethyl-chitosan nanoparticles on proliferation of keloid fibroblast. 2011 , 6, 31-37		10
826	Effects of carboxymethyl-chitosan on wound healing in vivo and in vitro. 2011 , 10, 369-378		14
825	The essential materials paradigms for regenerative medicine. 2011 , 63, 51-55		3
824	Chondrogenic differentiation of human bone marrow mesenchymal stem cells in chitosan-based scaffolds using a flow-perfusion bioreactor. 2011 , 5, 722-32		67

823	pH- and Temperature-Sensitive Chitosan Hydrogels: Swelling and MRI Studies. 2011 , 212, 887-895		21
822	Carbohydrates. 2011 , 155-193		2
821	Gold nanorods as new nanochromophores for photothermal therapies. 2011 , 4, 64-73		61
820	Characterization and in vivo evaluation of chitosan-hydroxyapatite bone scaffolds made by one step coprecipitation method. 2011 , 96, 639-47		57
819	Synthesis of GTMAC modified chitin-PAA gel and evaluation of its biological properties. 2011 , 98, 185-91		6
818	Saponin-loaded chitosan nanoparticles and their cytotoxicity to cancer cell lines in vitro. <i>Carbohydrate Polymers</i> , 2011 , 84, 407-416	10.3	70
817	Starch-chitosan-polyvinyl alcohol hydrogels with controllable swelling behaviors. <i>Carbohydrate Polymers</i> , 2011 , 84, 424-429	10.3	58
816	Sustained release of ketoprofen from fibrous chitosan-poly(ϵ -caprolactone) membranes. <i>Carbohydrate Polymers</i> , 2011 , 84, 624-630	10.3	13
815	Inhibition of acetylcholinesterase by gallic acid-grafted-chitosans. <i>Carbohydrate Polymers</i> , 2011 , 84, 690-693	10.3	23
814	Effect of chitosan coating in overcoming the phagocytosis of insulin loaded solid lipid nanoparticles by mononuclear phagocyte system. <i>Carbohydrate Polymers</i> , 2011 , 84, 919-925	10.3	87
813	Carboxymethyl chitosan prevents formation of broad-spectrum biofilm. <i>Carbohydrate Polymers</i> , 2011 , 84, 1365-1370	10.3	45
812	Fabrication of UV-crosslinked chitosan scaffolds with conjugation of RGD peptides for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2011 , 85, 129-137	10.3	59
811	Development of a chitosan-polyglutamate based injectable polyelectrolyte complex scaffold. <i>Carbohydrate Polymers</i> , 2011 , 85, 318-324	10.3	40
810	In situ-forming chitosan/nano-hydroxyapatite/collagen gel for the delivery of bone marrow mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2011 , 85, 261-267	10.3	40
809	Chitin hydrogel/nano hydroxyapatite composite scaffolds for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2011 , 85, 584-591	10.3	93
808	Genipin-cross-linked chitosan microspheres prepared by a water-in-oil emulsion solvent diffusion method for protein delivery. <i>Carbohydrate Polymers</i> , 2011 , 85, 674-680	10.3	52
807	A biodegradable in situ injectable hydrogel based on chitosan and oxidized hyaluronic acid for tissue engineering applications. <i>Carbohydrate Polymers</i> , 2011 , 85, 838-844	10.3	63
806	Synthesis, characterization and biological safety of O-carboxymethyl chitosan used to treat Sarcoma 180 tumor. <i>Carbohydrate Polymers</i> , 2011 , 86, 231-238	10.3	88

805	Incorporation of protein-loaded microspheres into chitosan-polycaprolactone scaffolds for controlled release. <i>Carbohydrate Polymers</i> , 2011 , 86, 1048-1054	10.3	14
804	An in vitro study of two GAG-like marine polysaccharides incorporated into injectable hydrogels for bone and cartilage tissue engineering. 2011 , 7, 2119-30		23
803	Chitosan composites with inorganics, morphogenetic proteins and stem cells, for bone regeneration. <i>Carbohydrate Polymers</i> , 2011 , 83, 1433-1445	10.3	212
802	An electrode of quartz crystal microbalance decorated with CNT/chitosan/fibronectin for investigating early adhesion and deforming morphology of rat mesenchymal stem cells. <i>Carbohydrate Polymers</i> , 2011 , 85, 726-732	10.3	15
801	Hybrid gold nanorods/polysaccharides composites as new materials for photothermal applications. 2011 ,		
800	Chitosan-Based Macromolecular Biomaterials for the Regeneration of Chondroskeletal and Nerve Tissue. 2011 , 2011, 1-9		7
799	Hybrid laser-activatable gold nanorods-loaded hydrogels for photothermal applications. 2011 ,		
798	Electrospun nanofibers for pharmaceutical and medical applications. 2011 , 21, 451-468		31
797	Osteogenic differentiation and ectopic bone formation of canine bone marrow-derived mesenchymal stem cells in injectable thermo-responsive polymer hydrogel. 2011 , 17, 1139-49		42
796	Tissue response to chitosan/EPGA polyelectrolyte complex using a rat model. 2011 , 26, 191-206		9
795	Polycaprolactone-Chitin Nanofibrous Mats as Potential Scaffolds for Tissue Engineering. 2012 , 2012, 1-9		7
794	Chitosan Derivatives for Bioadhesive/Hemostatic Applications: Chemical and Biological Aspects. 2012 , 199-226		2
793	Three-Dimensional Structures Based on Chitosan Functionalized With Maleic Anhydride for Ophthalmic Applications. 2012 , 51, 425-431		8
792	Clues for biomimetics from natural composite materials. 2012 , 7, 1409-23		32
791	Novel Technique of Polymer Composite Preparation for Bone Implants. 2012 , 488-489, 681-685		5
790	Multilayer Films Electrodes Consisted of Cashew Gum and Polyaniline Assembled by the Layer-by-Layer Technique: Electrochemical Characterization and Its Use for Dopamine Determination. 2012 , 2012, 923208		11
789	Nucleation of biocompatible nanostructured coatings via electrochemical process. 2012 , 27, 284-288		3
788	Biological and Pharmacological Activity of Chitosan and Derivatives. 2012 , 75-92		4

787	Dynamic light scattering in semidilute and concentrated chitosan solutions. 2012 , 48, 1932-1939		18
786	An amphiphilic silicone-modified polysaccharide molecular hybrid with in situ forming of hierarchical superporous architecture upon swelling. 2012 , 8, 10868		14
785	Flexible and microporous chitosan hydrogel/nano ZnO composite bandages for wound dressing: in vitro and in vivo evaluation. 2012 , 4, 2618-29		583
784	Chitosan-Clay Bio-Nanocomposites. 2012 , 365-391		5
783	Cytotoxicity and biocompatibility evaluation of N,O-carboxymethyl chitosan/oxidized alginate hydrogel for drug delivery application. 2012 , 50, 1299-305		78
782	A novel injectable chitosan/polyglutamate polyelectrolyte complex hydrogel with hydroxyapatite for soft-tissue augmentation. <i>Carbohydrate Polymers</i> , 2012 , 89, 1123-30	10.3	50
781	Ulvan and ulvan/chitosan polyelectrolyte nanofibrous membranes as a potential substrate material for the cultivation of osteoblasts. <i>Carbohydrate Polymers</i> , 2012 , 89, 997-1002	10.3	59
780	N,N,N-Trimethyl chitosan nanoparticles for controlled intranasal delivery of HBV surface antigen. <i>Carbohydrate Polymers</i> , 2012 , 89, 1289-97	10.3	69
779	Synthesis and characterization of selenium-chondroitin sulfate nanoparticles. <i>Carbohydrate Polymers</i> , 2012 , 90, 122-6	10.3	37
778	Bioconjugation of quantum-dots with chitosan and N,N,N-trimethyl chitosan. <i>Carbohydrate Polymers</i> , 2012 , 90, 189-96	10.3	49
777	Fabrication of chitin/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) hydrogel scaffold. <i>Carbohydrate Polymers</i> , 2012 , 90, 725-9	10.3	45
776	Synthesis and characterization of a novel boronic acid-functionalized chitosan polymeric nanosphere for highly specific enrichment of glycopeptides. <i>Carbohydrate Polymers</i> , 2012 , 90, 799-804	10.3	20
775	One-pot synthesis of poly(N-isopropylacrylamide)/chitosan composite microspheres via microemulsion. <i>Carbohydrate Polymers</i> , 2012 , 90, 690-5	10.3	12
774	Synthesis of chitosan networks: Swelling, drug release, and magnetically assisted BSA separation using Fe ₃ O ₄ nanoparticles. <i>Carbohydrate Polymers</i> , 2012 , 90, 1265-72	10.3	38
773	Regioselective fluorescent labeling of N,N,N-trimethyl chitosan via oxime formation. <i>Carbohydrate Polymers</i> , 2012 , 90, 1273-80	10.3	19
772	A short synthesis of highly soluble chemoselective chitosan derivatives via "click chemistry". <i>Carbohydrate Polymers</i> , 2012 , 90, 1182-6	10.3	23
771	Electrosprayed polyelectrolyte complexes between mucoadhesive N,N,N-trimethylchitosan-homocysteine thiolactone and alginate/carrageenan for camptothecin delivery. <i>Carbohydrate Polymers</i> , 2012 , 90, 1469-79	10.3	37
770	In vitro evaluation of an RGD-functionalized chitosan derivative for enhanced cell adhesion. <i>Carbohydrate Polymers</i> , 2012 , 90, 1494-500	10.3	55

769	Chitosan matrix with three dimensionally ordered macroporous structure for nimodipine release. <i>Carbohydrate Polymers</i> , 2012 , 90, 1648-55	10.3	14
768	Design of deformable chitosan microspheres loaded with superparamagnetic iron oxide nanoparticles for embolotherapy detectable by magnetic resonance imaging. <i>Carbohydrate Polymers</i> , 2012 , 90, 1725-31	10.3	39
767	Soft Constructs for Skin Tissue Engineering. 2012 , 537-557		2
766	Chitin and Chitosan as Functional Biopolymers for Industrial Applications. 2012 , 329-373		15
765	Preparation and characterization of chitin hydrogels by water vapor induced gelation route. 2012 , 51, 431-9		5
764	Characterization of half N-acetylated chitosan powders and films. 2012 , 27, 718-732		46
763	Simple fabrication technique for multilayered stratified composite scaffolds suitable for interface tissue engineering. 2012 , 557, 54-58		37
762	Chemical and Technological Advances in Chitins and Chitosans Useful for the Formulation of Biopharmaceuticals. 2012 , 1-21		2
761	Chitosan films modified selectively on one side with dendritic molecules. 2012 , 22, 22670		33
760	Effect of tissue-engineered chitosan-poly(vinyl alcohol) nanofibrous scaffolds on healing of burn wounds of rat skin. 2012 , 6, 129-35		18
759	Altered enzymatic activity of lysozymes bound to variously sulfated chitosans. 2012 , 30, 893-899		10
758	Patentability and Intellectual Property Issues Related to Chitosan-Based Biopharmaceutical Products. 2012 , 483-502		2
757	Determining early adhesion of cells on polysaccharides/PCL surfaces by a quartz crystal microbalance. 2012 , 23, 3067-73		6
756	. 2012 ,		44
755	Flexible Polymer/Clay Nanocomposite Films as Oxygen Supply Materials. 2012 , 297, 249-256		1
754	Self-assembled chitin nanofiber templates for artificial neural networks. 2012 , 22, 3105		46
753	Development of chitosan-tripolyphosphate non-woven fibrous scaffolds for tissue engineering application. 2012 , 23, 1085-96		22
752	Mining of unexplored habitats for novel chitinases--chiA as a helper gene proxy in metagenomics. 2012 , 94, 1347-58		36

751	Synthesis of an O-alkynyl-chitosan and its chemoselective conjugation with a PEG-like amino-azide through click chemistry. <i>Carbohydrate Polymers</i> , 2012 , 87, 240-249	10.3	69
750	Prevention of oxidative stress in Chang liver cells by gallic acid-grafted-chitosans. <i>Carbohydrate Polymers</i> , 2012 , 87, 876-880	10.3	22
749	Superabsorbent hydrogel composite made of cellulose nanofibrils and chitosan-graft-poly(acrylic acid). <i>Carbohydrate Polymers</i> , 2012 , 87, 2038-2045	10.3	198
748	Biochemical activities of low molecular weight chitosans derived from squid pens. <i>Carbohydrate Polymers</i> , 2012 , 87, 2231-2236	10.3	32
747	Characterization of gelification of chitosan solutions by dynamic light scattering. <i>Carbohydrate Polymers</i> , 2012 , 87, 2376-2380	10.3	25
746	In vivo evaluation of curcumin nanoformulation loaded methoxy poly(ethylene glycol)-graft-chitosan composite film for wound healing application. <i>Carbohydrate Polymers</i> , 2012 , 88, 84-90	10.3	79
745	Hydrogel sheets of chitosan, honey and gelatin as burn wound dressings. <i>Carbohydrate Polymers</i> , 2012 , 88, 75-83	10.3	241
744	Purification of chitosan by using sol-gel immobilized pepsin deproteinization. <i>Carbohydrate Polymers</i> , 2012 , 88, 206-212	10.3	12
743	Antimicrobial chitosan finish of cotton and silk fabrics by UV-curing with 2-hydroxy-2-methylphenylpropane-1-one. <i>Carbohydrate Polymers</i> , 2012 , 88, 201-205	10.3	49
742	Acceleration of wound healing in diabetic rats by layered hydrogel dressing. <i>Carbohydrate Polymers</i> , 2012 , 88, 809-819	10.3	83
741	Separation of chito-oligomers with several degrees of polymerization and study of their antioxidant activity. <i>Carbohydrate Polymers</i> , 2012 , 88, 896-903	10.3	58
740	Synthesis, characterization and slow release properties of O-naphthylacetyl chitosan. <i>Carbohydrate Polymers</i> , 2012 , 88, 1189-1194	10.3	45
739	Electrospun anti-adhesion barrier made of chitosan alginate for reducing peritoneal adhesions. <i>Carbohydrate Polymers</i> , 2012 , 88, 1304-1312	10.3	53
738	Self-assembled nanoparticles of glycol chitosan β -ergocalciferol succinate conjugate, for controlled release. <i>Carbohydrate Polymers</i> , 2012 , 88, 1373-1377	10.3	26
737	Preparation of silver nanoparticles in the presence of chitosan by electrochemical method. <i>Carbohydrate Polymers</i> , 2012 , 89, 236-44	10.3	123
736	RGD-conjugated UV-crosslinked chitosan scaffolds inoculated with mesenchymal stem cells for bone tissue engineering. <i>Carbohydrate Polymers</i> , 2012 , 89, 379-87	10.3	47
735	Synthesis and characteristics of chitin and chitosan with the (2-hydroxy-3-trimethylammonium)propyl functionality, and evaluation of their antioxidant activity in vitro. <i>Carbohydrate Polymers</i> , 2012 , 89, 486-91	10.3	58
734	Inhibition of angiogenesis by chitoooligosaccharides with specific degrees of acetylation and polymerization. <i>Carbohydrate Polymers</i> , 2012 , 89, 511-8	10.3	44

733	Nano-hybrid carboxymethyl-hexanoyl chitosan modified with (3-aminopropyl)triethoxysilane for camptothecin delivery. <i>Carbohydrate Polymers</i> , 2012 , 89, 632-9	10.3	21
732	Sulfated chitoooligosaccharide II (SCOS II) suppress collagen degradation in TNF-induced chondrosarcoma cells via NF- κ B pathway. 2012 , 350, 55-61		17
731	Preparation and optimization of PMAA-chitosan-PEG nanoparticles for oral drug delivery. 2012 , 90, 102-8		48
730	Surface charging and dimensions of chitosan coacervated nanoparticles. 2012 , 90, 254-8		34
729	Hydroxyapatite-coated carboxymethyl chitosan scaffolds for promoting osteoblast and stem cell differentiation. 2012 , 366, 224-232		79
728	Interaction of chitosan and mucin in a biomembrane model environment. 2012 , 376, 289-95		50
727	A critical review of modern and emerging absorbent dressings used to treat exuding wounds. 2012 , 9, 601-12		88
726	Effect of direct-current discharge treatment on the surface properties of chitosan-poly(L,L-lactide)-gelatin composite films. 2012 , 46, 60-64		7
725	Biomimetic chitosan-calcium phosphate composites with potential applications as bone substitutes: preparation and characterization. 2012 , 100, 700-8		17
724	Design of chitosan/PSf self-assembly membrane to mitigate fouling and enhance performance in trypsin separation. 2012 , 87, 1157-1166		12
723	Structure and Properties of Cellulose Films Reinforced by Chitin Whiskers. 2013 , 298, 303-310		25
722	Development of novel chitosan-poly(N,N-diethylacrylamide) IPN films for potential wound dressing and biomedical applications. 2013 , 20, 1		26
721	In vitro evaluation of biomimetic chitosan-calcium phosphate scaffolds with potential application in bone tissue engineering. 2013 , 8, 025002		32
720	In vitro and in vivo evaluation of microporous chitosan hydrogel/nanofibrin composite bandage for skin tissue regeneration. 2013 , 19, 380-92		51
719	Chitosan(PEO)/silica hybrid nanofibers as a potential biomaterial for bone regeneration. <i>Carbohydrate Polymers</i> , 2013 , 94, 713-22	10.3	113
718	The European Polysaccharide Network of Excellence (EPNOE). 2013 ,		10
717	Biomedical applications and colloidal properties of amphiphilically modified chitosan hybrids. 2013 , 38, 1307-1328		77
716	Thermosensitive hydrogel made of ferulic acid-gelatin and chitosan glycerophosphate. <i>Carbohydrate Polymers</i> , 2013 , 92, 1512-9	10.3	38

715	Chitosan stabilizes platelet growth factors and modulates stem cell differentiation toward tissue regeneration. <i>Carbohydrate Polymers</i> , 2013 , 98, 665-76	10.3	161
714	Chitosans for delivery of nucleic acids. 2013 , 65, 1234-70		150
713	Antibacterial hydrogel coating by electrophoretic co-deposition of chitosan/alkynyl chitosan. <i>Carbohydrate Polymers</i> , 2013 , 98, 1547-52	10.3	57
712	Fabrication and characterisation of chitin nanofibers and highly transparent chitin films by pulsed ultrasonication. <i>Carbohydrate Polymers</i> , 2013 , 98, 1497-504	10.3	109
711	Thermosensitive micelles-hydrogel hybrid system based on poloxamer 407 for localized delivery of paclitaxel. 2013 , 102, 2707-17		52
710	Preparation and characterization of bacterial cellulose/hydroxypropyl chitosan blend as-spun fibers. 2013 , 14, 935-940		15
709	Synthesis and swelling behavior of xanthan-based hydrogels. <i>Carbohydrate Polymers</i> , 2013 , 92, 1091-9	10.3	197
708	A study on the in vitro degradation of poly(L-lactide)/chitosan microspheres scaffolds. 2013 , 7, 76-82		20
707	Chitosan beads combined with Terminalia nigrovenulosa bark enhance suppressive activity to Fusarium solani. 2013 , 50, 462-467		1
706	Should chitosan and tranexamic acid be combined for improved hemostasis after sinus surgery?. 2013 , 81, 1036-8		7
705	Spinning of hydroalcoholic chitosan solutions. <i>Carbohydrate Polymers</i> , 2013 , 98, 50-63	10.3	21
704	Investigation of the effects of local glutathione and chitosan administration on incisional oral mucosal wound healing in rabbits. 2013 , 112, 499-507		17
703	CHITIN--a promising biomaterial for tissue engineering and stem cell technologies. 2013 , 31, 1776-85		101
702	Self-assembled nanoparticles of modified-chitosan conjugates for the sustained release of DL-α-tocopherol. <i>Carbohydrate Polymers</i> , 2013 , 92, 856-64	10.3	20
701	Fabrication and biocompatibility of novel bilayer scaffold for skin tissue engineering applications. 2013 , 27, 605-15		46
700	Application of magnetic chitosan composites for the removal of toxic metal and dyes from aqueous solutions. 2013 , 201-202, 68-93		448
699	Optimization of recombinant hexaoligochitin-producing chitinase production with response surface methodology. 2013 , 62, 518-22		13
698	Cardiac repair using chitosan-hyaluronan/silk fibroin patches in a rat heart model with myocardial infarction. <i>Carbohydrate Polymers</i> , 2013 , 92, 591-7	10.3	56

697	Hollow chitosan microspheres prepared by an oil ₁ -in-water-in-oil ₂ double emulsion method. 2013 , 249, 436-442		8
696	Antimicrobial electrospun membranes of chitosan/poly(ethylene oxide) incorporating poly(hexamethylene biguanide) hydrochloride. <i>Carbohydrate Polymers</i> , 2013 , 94, 364-71	10.3	91
695	Chitosan fibers enhanced gellan gum hydrogels with superior mechanical properties and water-holding capacity. <i>Carbohydrate Polymers</i> , 2013 , 97, 152-8	10.3	47
694	Influence of radiation crosslinked carboxymethyl-chitosan/gelatin hydrogel on cutaneous wound healing. 2013 , 33, 4816-24		87
693	Dual stimuli-responsive N-phthaloylchitosan-graft-(poly(N-isopropylacrylamide)-block-poly(acrylic acid)) copolymer prepared via RAFT polymerization. <i>Carbohydrate Polymers</i> , 2013 , 92, 662-7	10.3	20
692	Enhancing bioactivity of chitosan film for osteogenesis and wound healing by covalent immobilization of BMP-2 or FGF-2. 2013 , 24, 645-62		30
691	Bioactive glasses-incorporated, core-shell-structured polypeptide/polysaccharide nanofibrous hydrogels. <i>Carbohydrate Polymers</i> , 2013 , 92, 612-20	10.3	17
690	Ultrathin chitosan-poly(ethylene glycol) hydrogel films for corneal tissue engineering. 2013 , 9, 6594-605		92
689	Laccase-assisted formation of bioactive chitosan/gelatin hydrogel stabilized with plant polyphenols. <i>Carbohydrate Polymers</i> , 2013 , 92, 989-96	10.3	77
688	Biochemical activities of 6-carboxy Chitin derived from squid pens. <i>Carbohydrate Polymers</i> , 2013 , 91, 191-7	10.3	27
687	Reconstruction of the Injured Spinal Cord by Implantation of a Hydrogel based on Chitosan and EGlycerol Phosphate-motor Behavior and Ventilatory Assessments. 2013 , 59, 226-232		3
686	Rapidly in situ forming chitosan/εpolylysine hydrogels for adhesive sealants and hemostatic materials. <i>Carbohydrate Polymers</i> , 2013 , 96, 342-8	10.3	97
685	Tunable green oxygen barrier through layer-by-layer self-assembly of chitosan and cellulose nanocrystals. <i>Carbohydrate Polymers</i> , 2013 , 92, 2128-34	10.3	81
684	Bubble template fabrication of chitosan/poly(vinyl alcohol) sponges for wound dressing applications. 2013 , 62, 188-93		58
683	Physicochemical and antibacterial properties of surfactant mixtures with quaternized chitosan microgels. <i>Carbohydrate Polymers</i> , 2013 , 93, 709-17	10.3	18
682	Oriental behaviors of liquid crystals coupled to chitosan-disrupted phospholipid membranes at the aqueous-liquid crystal interface. 2013 , 108, 142-6		18
681	"Sponge-like" dressings based on biopolymers for the delivery of platelet lysate to skin chronic wounds. 2013 , 440, 207-15		56
680	Long-alkane-chain modified N-phthaloyl chitosan membranes with controlled permeability. <i>Carbohydrate Polymers</i> , 2013 , 91, 269-76	10.3	29

679	Physico-chemical/biological properties of tripolyphosphate cross-linked chitosan based nanofibers. 2013 , 33, 1446-54		33
678	Polycaprolactone and polycaprolactone/chitosan nanofibres functionalised with the pH-sensitive dye Nitrazine Yellow. <i>Carbohydrate Polymers</i> , 2013 , 91, 284-93	10.3	82
677	Complexes of oppositely charged polyelectrolytes and surfactants [Recent developments in the field of biologically derived polyelectrolytes. 2013 , 9, 3896		120
676	Stabilisation of silver and copper nanoparticles in a chemically modified chitosan matrix. <i>Carbohydrate Polymers</i> , 2013 , 92, 1402-7	10.3	43
675	Chitosan-hydroxyapatite composites. <i>Carbohydrate Polymers</i> , 2013 , 93, 256-62	10.3	126
674	Determination of chitosan with a modified acid hydrolysis and HPLC method. 2013 , 366, 50-4		25
673	In situ synthesized novel biocompatible titania-chitosan nanocomposites with high surface area and antibacterial activity. <i>Carbohydrate Polymers</i> , 2013 , 93, 731-9	10.3	65
672	Functionalized-chitosan/quantum dot nano-hybrids for nanomedicine applications: towards biolabeling and biosorbing phosphate metabolites. 2013 , 1, 1696-1711		104
671	Partially acetylated chitooligosaccharides bind to YKL-40 and stimulate growth of human osteoarthritic chondrocytes. 2013 , 434, 298-304		16
670	Recent advances on the development of wound dressings for diabetic foot ulcer treatment--a review. 2013 , 9, 7093-114		442
669	Modulation of pro-inflammatory mediators in LPS-stimulated human periodontal ligament cells by chitosan and quaternized chitosan. <i>Carbohydrate Polymers</i> , 2013 , 92, 824-9	10.3	14
668	The promotion of bone regeneration by nanofibrous hydroxyapatite/chitosan scaffolds by effects on integrin-BMP/Smad signaling pathway in BMSCs. 2013 , 34, 4404-17		249
667	Silver/chitosan/cellulose fibers foam composites: from synthesis to antibacterial properties. 2013 , 393, 411-20		63
666	N,O6-partially acetylated chitosan nanoparticles hydrophobically-modified for controlled release of steroids and vitamin E. <i>Carbohydrate Polymers</i> , 2013 , 91, 143-51	10.3	19
665	Galactosylated chitosan-polycaprolactone nanoparticles for hepatocyte-targeted delivery of curcumin. <i>Carbohydrate Polymers</i> , 2013 , 94, 420-9	10.3	64
664	Dense chitosan surgical membranes produced by a coincident compression-dehydration process. 2013 , 24, 621-43		6
663	Synthesis of N-furoyl chitosan and chito-oligosaccharides and evaluation of their antioxidant activity in vitro. 2013 , 59, 391-5		36
662	Chitosan-hyaluronan/nano chondroitin sulfate ternary composite sponges for medical use. <i>Carbohydrate Polymers</i> , 2013 , 92, 1470-6	10.3	92

661	Fabrication of sonicated chitosan nanofiber mat with enlarged porosity for use as hemostatic materials. <i>Carbohydrate Polymers</i> , 2013 , 97, 65-73	10.3	132
660	Electrospun chitosan-based nanofiber mats loaded with <i>Garcinia mangostana</i> extracts. 2013 , 452, 333-43		104
659	Evaluation of three-dimensional porous chitosan-alginate scaffolds in rat calvarial defects for bone regeneration applications. 2013 , 101, 2974-83		57
658	Discovery and Evaluation of a Functional Ternary Polymer Blend for Bone Repair: Translation from a Microarray to a Clinical Model. 2013 , 23, 2850-2862		19
657	Amphiphilic N-(2,3-dihydroxypropyl)-chitosan-cholic acid micelles for paclitaxel delivery. <i>Carbohydrate Polymers</i> , 2013 , 94, 394-9	10.3	28
656	Improvement of nanofibrillation efficiency of Chitin in water by selecting acid used for surface cationisation. 2013 , 3, 2613		17
655	In vivo evaluation of chitosan-PVP-titanium dioxide nanocomposite as wound dressing material. <i>Carbohydrate Polymers</i> , 2013 , 95, 530-9	10.3	265
654	Shear thinning three-dimensional colloidal assemblies of chitosan and poly(lactic acid) nanoparticles. 2013 , 117, 7455-64		6
653	Thermoresponsive chitosan/N-isopropylacrylamide copolymer through atom transfer radical polymerization. 2013 , 52, 14-9		19
652	The Use of Nanoscaled Fibers or Tubes to Improve Biocompatibility and Bioactivity of Biomedical Materials. 2013 , 2013, 1-16		22
651	Effect of thiol-functionalisation on chitosan antibacterial activity: Interaction with a bacterial membrane model. 2013 , 73, 1384-1390		33
650	Chitosan-heparin polyelectrolyte multilayers on cortical bone: periosteum-mimetic, cytophilic, antibacterial coatings. 2013 , 110, 609-18		31
649	A Green Industrial revolution: Using chitin towards transformative technologies. 2013 , 85, 1693-1701		18
648	Biomimetic potential of chitin-based composite biomaterials of poriferan origin. 2013 , 46-66		3
647	An assessment of biopolymer- and synthetic polymer-based scaffolds for bone and vascular tissue engineering. 2013 , 62, 523-533		67
646	Mechanical Properties and Morphological Characterization of PLA/Chitosan/Epoxidized Natural Rubber Composites. 2013 , 2013, 1-7		50
645	In vivo laser assisted microvascular repair and end-to-end anastomosis by means of indocyanine green-infused chitosan patches: a pilot study. 2013 , 45, 318-25		25
644	Nonionic polymer cross-linked chitosan hydrogel: preparation and bioevaluation. 2013 , 24, 1564-74		25

643	Chitosan Application in Dentistry ???????. 2013 , 254-263	1
642	Antioxidant, Antimicrobial Properties of Chitin, Chitosan, and Their Derivatives. 2013 , 217-228	
641	- Application of Marine Biomaterials in Orthopedic and Soft Tissue Surgical Challenges. 2013 , 584-597	8
640	- Advantages of Chitin-Based Nanobiomaterials in Nanomedicine. 2013 , 696-703	1
639	Recent Development in Applications of Important Biopolymer Chitosan in Biomedicine, Pharmaceuticals and Personal Care Products. 2013 , 2, 20-40	26
638	The identification and characterization of chitotriosidase activity in pancreatin from porcine pancreas. 2013 , 18, 2978-87	13
637	Curcumin-Loaded Chitosan/Gelatin Composite Sponge for Wound Healing Application. 2013 , 2013, 1-7	62
636	Effects of chitin and sepia ink hybrid hemostatic sponge on the blood parameters of mice. 2014 , 12, 2269-81	21
635	. 2014 ,	5
634	. 2014 ,	
633	Characterization of chitosan microparticles reinforced cellulose biocomposite sponges regenerated from ionic liquid. 2014 , 21, 4405-4418	36
632	Modification of the chitosan structure and properties using high-energy chemistry methods. 2014 , 48, 293-302	10
631	CHAPTER 7:Cationic Polysaccharides in Regenerative Medicine: Challenges and Perspectives. 2014 , 178-196	
630	In vitro assessment of biopolymer-modified porous silicon microparticles for wound healing applications. 2014 , 88, 635-42	25
629	Chitosan aerosol inhalation alleviates lipopolysaccharide- induced pulmonary fibrosis in rats. 2014 , 40, 467-73	4
628	Structural characteristics of thermosensitive chitosan glutamate hydrogels in variety of physiological environments. 2014 , 1074, 629-635	11
627	Chitin and chitosan composites for bone tissue regeneration. 2014 , 73, 59-81	40
626	Chitosan-alginate biocomposite containing fucoidan for bone tissue engineering. 2014 , 12, 300-16	165

625	Marine medicinal glycomics. 2014 , 4, 5		16
624	Evaluation of the Cytotoxic Potential Chitosan/Hydroxyapatite Biocomposites. 2014 , 805, 30-34		3
623	Blends and Nanocomposite Biomaterials for Articular Cartilage Tissue Engineering. 2014 , 7, 5327-5355		46
622	Tissue engineered poly(caprolactone)-chitosan-poly(vinyl alcohol) nanofibrous scaffolds for burn and cutting wound healing. 2014 , 8, 123-31		36
621	Fabrication of thermoplastic ductile films of chitin butyrate/poly(e-caprolactone) blends and their cytocompatibility. <i>Carbohydrate Polymers</i> , 2014 , 114, 330-338	10.3	16
620	Recent Advances on the Development of Antibacterial Polysaccharide-Based Materials. 2014 , 1-46		1
619	Electrospun chitosan/polyvinyl alcohol nanofibre mats for wound healing. 2014 , 11, 215-22		70
618	Solid state characterisation of silver sulfadiazine loaded on montmorillonite/chitosan nanocomposite for wound healing. 2014 , 113, 152-7		75
617	In situ chitosan gelation initiated by atmospheric plasma treatment. <i>Carbohydrate Polymers</i> , 2014 , 103, 472-9	10.3	34
616	The synthesis, self-assembling, and biocompatibility of a novel O-carboxymethyl chitosan cholate decorated with glycyrrhetic acid. <i>Carbohydrate Polymers</i> , 2014 , 111, 753-61	10.3	43
615	Ellagic acid encapsulated chitosan nanoparticles as anti-hemorrhagic agent. <i>Carbohydrate Polymers</i> , 2014 , 111, 215-21	10.3	42
614	Design of genipin-crosslinked microgels from concanavalin A and glucosyloxyethyl acrylated chitosan for glucose-responsive insulin delivery. <i>Carbohydrate Polymers</i> , 2014 , 103, 369-76	10.3	66
613	Size and pH effects of chitoooligomers on antibacterial activity against Staphylococcus aureus. 2014 , 64, 302-5		33
612	Determination of the substitution degree of modified chitosan by cyclic voltammetry at the water/dichloroethane interface. 2014 , 117, 534-540		2
611	Synergistic hierarchical silicone-modified polysaccharide hybrid as a soft scaffold to control cell adhesion and proliferation. 2014 , 10, 3546-56		12
610	Red emissive cross-linked chitosan and their nanoparticles for imaging the nucleoli of living cells. <i>Carbohydrate Polymers</i> , 2014 , 102, 699-707	10.3	43
609	Dynamic removal of n-hexane from water using nanocomposite membranes: Serial coating of para-aminobenzoate alumoxane, boehmite-epoxide and chitosan on Kevlar fabrics. 2014 , 20, 4491-4498		13
608	Genipin-crosslinked chitosan/poly-L-lysine gels promote fibroblast adhesion and proliferation. <i>Carbohydrate Polymers</i> , 2014 , 108, 91-8	10.3	60

607	Adsorbed fibrinogen enhances production of bone- and angiogenic-related factors by monocytes/macrophages. 2014 , 20, 250-63		30
606	Chitosan-Polyoxometalate Nanocomposites: Synthesis, Characterization and Application as Antimicrobial Agents. 2014 , 25, 839-854		34
605	Preparation and characterization of chitosan composite membranes crosslinked by carboxyl-capped poly(ethylene glycol). 2014 , 32, 236-244		7
604	Active naringin-chitosan films: impact of UV irradiation. <i>Carbohydrate Polymers</i> , 2014 , 110, 374-81	10.3	30
603	Vibrational spectroscopy for probing molecular-level interactions in organic films mimicking biointerfaces. 2014 , 207, 199-215		26
602	Exopolymers from <i>Tolypothrix tenuis</i> and three <i>Anabaena</i> sp. (Cyanobacteriaceae) as novel blood clotting agents for wound management. <i>Carbohydrate Polymers</i> , 2014 , 99, 692-9	10.3	21
601	Manufacture of layered collagen/chitosan-polycaprolactone scaffolds with biomimetic microarchitecture. 2014 , 113, 352-60		46
600	Dissolution of mechanically milled chitin in high temperature water. <i>Carbohydrate Polymers</i> , 2014 , 106, 172-8	10.3	34
599	Transglutaminase-catalyzed grafting collagen on chitosan and its characterization. <i>Carbohydrate Polymers</i> , 2014 , 105, 253-9	10.3	30
598	Preparation and application of chitin and its derivatives: a review. 2014 , 23, 307-326		115
597	Strategies to improve chitosan hemocompatibility: A review. 2014 , 53, 171-188		156
596	Chitin and chitosan in selected biomedical applications. 2014 , 39, 1644-1667		645
595	Ionic polymeric micelles based on chitosan and fatty acids and intended for wound healing. Comparison of linoleic and oleic acid. 2014 , 87, 101-6		65
594	Preparation and characterization of genipin cross-linked porous chitosan-collagen-gelatin scaffolds using chitosan-CO ₂ solution. <i>Carbohydrate Polymers</i> , 2014 , 102, 901-11	10.3	81
593	Biological properties of novel chitosan-based composites for medical application as bone substitute. 2014 , 9, 634-641		7
592	Study on multilayer structures prepared from heparin and semi-synthetic cellulose sulfates as polyanions and their influence on cellular response. 2014 , 116, 93-103		21
591	Mechanical behavior of transparent nanofibrillar cellulose-chitosan nanocomposite films in dry and wet conditions. 2014 , 32, 279-286		73
590	Crosslinker effects on functional properties of alginate/N-succinylchitosan based hydrogels. <i>Carbohydrate Polymers</i> , 2014 , 108, 321-30	10.3	57

589	Horseradish peroxidase-catalyzed formation of hydrogels from chitosan and poly(vinyl alcohol) derivatives both possessing phenolic hydroxyl groups. <i>Carbohydrate Polymers</i> , 2014 , 111, 404-9	10.3	36
588	Fibroblast viability and inhibitory activity against <i>Pseudomonas aeruginosa</i> in lactic acid-grafted chitosan hydrogels. 2014 , 131, n/a-n/a		5
587	The synergetic effect of bioactive ceramic and nanoclay on the properties of chitosan-gelatin/nanohydroxyapatite-hontmorillonite scaffold for bone tissue engineering. 2014 , 40, 10061-10072		87
586	Supercritical fluid assisted production of chitosan oligomers micrometric powders. <i>Carbohydrate Polymers</i> , 2014 , 102, 400-8	10.3	11
585	Oral chondroprotection with nutraceuticals made of chondroitin sulphate plus glucosamine sulphate in osteoarthritis. <i>Carbohydrate Polymers</i> , 2014 , 109, 126-38	10.3	47
584	Nanocrystalline chitin thin films. <i>Carbohydrate Polymers</i> , 2014 , 102, 151-8	10.3	26
583	Reduction of thrombogenicity of PVC-based sodium selective membrane electrodes using heparin-modified chitosan. <i>Carbohydrate Polymers</i> , 2014 , 99, 783-90	10.3	12
582	Soluble chitosan-carrageenan polyelectrolyte complexes and their gastroprotective activity. <i>Carbohydrate Polymers</i> , 2014 , 101, 1087-93	10.3	25
581	Evaluation of the effects of chitin nanofibrils on skin function using skin models. <i>Carbohydrate Polymers</i> , 2014 , 101, 464-70	10.3	41
580	Collagen tissue treated with chitosan solutions in carbonic acid for improved biological prosthetic heart valves. 2014 , 37, 127-40		36
579	Comprehensive characterization of chitosan/PEO/levan ternary blend films. <i>Carbohydrate Polymers</i> , 2014 , 102, 993-1000	10.3	60
578	Depolymerization of chitosan-metal complexes via a solution plasma technique. <i>Carbohydrate Polymers</i> , 2014 , 102, 504-12	10.3	31
577	Effect of chitosan molecular weight on the functional properties of chitosan-maltose Maillard reaction products and their application to fresh-cut <i>Typha latifolia</i> L. <i>Carbohydrate Polymers</i> , 2014 , 102, 682-90	10.3	27
576	Choline chloride-thiourea, a deep eutectic solvent for the production of chitin nanofibers. <i>Carbohydrate Polymers</i> , 2014 , 103, 466-71	10.3	91
575	Effect of silanization on chitosan porous scaffolds for peripheral nerve regeneration. <i>Carbohydrate Polymers</i> , 2014 , 101, 718-26	10.3	33
574	Mechanically adaptive and shape-memory behaviour of chitosan-modified cellulose whisker/elastomer composites in different pH environments. 2014 , 15, 2794-800		10
573	In vitro and in vivo evaluation of chitosan/glycerol phosphate composite membrane for guided bone regeneration. 2014 , 102, 2911-7		13
572	Role of polymeric biomaterials as wound healing agents. 2014 , 13, 180-90		66

571	2,5-Dimethoxy 2,5-dihydrofuran crosslinked chitosan fibers enhance bone regeneration in rabbit femur defects. 2014 , 4, 19516-19524		23
570	Hernia-repair prosthetic devices functionalised with chitosan and ciprofloxacin coating: controlled release and antibacterial activity. 2014 , 2, 5287-5294		51
569	Physicochemical comparison of chitin and chitosan obtained from larvae and adult Colorado potato beetle (<i>Leptinotarsa decemlineata</i>). 2014 , 45, 72-81		95
568	Triggering protein adsorption on tailored cationic cellulose surfaces. 2014 , 15, 3931-41		40
567	Injectable and redox-responsive hydrogel with adaptive degradation rate for bone regeneration. 2014 , 2, 295-304		48
566	Polysaccharide films at an air/liquid and a liquid/silicon interface: effect of the polysaccharide and liquid type on their physical properties. 2014 , 10, 8558-72		4
565	A combinatorial study of nanocomposite hydrogels: on-chip mechanical/viscoelastic and pre-osteoblast interaction characterization. 2014 , 2, 5627-5638		17
564	Synthesis and characterization of water soluble biomimetic chitosans for bone and cartilage tissue regeneration. 2014 , 2, 6517-6526		11
563	Preparation, characteristics and assessment of a novel gelatin-chitosan sponge scaffold as skin tissue engineering material. 2014 , 476, 124-33		109
562	Hydrophobic chitosan sponges modified by aluminum monostearate and dehydrothermal treatment as sustained drug delivery system. 2014 , 42, 715-25		6
561	Preparation and characterization of galactosylated alginate-chitosan oligomer microcapsule for hepatocytes microencapsulation. <i>Carbohydrate Polymers</i> , 2014 , 112, 502-11	10.3	26
560	Quaternary chitosan oligomers enhance resistance and biocontrol efficacy of <i>Rhodosporidium paludigenum</i> to green mold in satsuma orange. <i>Carbohydrate Polymers</i> , 2014 , 113, 174-81	10.3	22
559	In vitro and in vivo evaluation of chitosan microspheres with different deacetylation degree as potential embolic agent. <i>Carbohydrate Polymers</i> , 2014 , 113, 304-13	10.3	48
558	A comparison of physicochemical properties of sterilized chitosan hydrogel and its applicability in a canine model of periodontal regeneration. <i>Carbohydrate Polymers</i> , 2014 , 113, 240-8	10.3	31
557	Thermal preparation of chitosan-acrylic acid superabsorbent: optimization, characteristic and water absorbency. <i>Carbohydrate Polymers</i> , 2014 , 113, 296-303	10.3	62
556	A Hybrid Material for Sustainable Environmental Protection. 2014 , 75, 56-60		2
555	Addition of 1,3-β-D-glucan to chitosan-based composites enhances osteoblast adhesion, growth, and proliferation. 2014 , 70, 474-81		14
554	Fabrication of composition-graded collagen/chitosan/poly lactide scaffolds with gradient architecture and properties. 2014 , 83, 98-106		20

553	Chitosan-starch nanocomposite particles as a drug carrier for the delivery of bis-desmethoxy curcumin analog. <i>Carbohydrate Polymers</i> , 2014 , 114, 170-178	10.3	64
552	Study of in vitro degradation of brushite cements scaffolds. 2014 , 25, 2297-303		11
551	Synthesis and properties of poly(3-hydroxybutyrate-co-3-hydroxyvalerate)/chitin nanocrystals composite scaffolds for tissue engineering. 2014 , 25, 1635-1638		19
550	Analgesis and wound healing effect of chitosan and carboxymethyl chitosan on scalded rats. 2014 , 13, 837-841		14
549	Effect of molecular weight of chitosan on antimicrobial properties and tissue compatibility of chitosan-impregnated bacterial cellulose films. 2014 , 19, 534-544		51
548	Biohydrogels Interpenetrated with Hydroxyethyl Cellulose and Wooden Pulp for Biocompatible Materials. 2014 , 53, 4650-4659		17
547	Layer-by-layer assembly of chitosan stabilized multilayered liposomes for paclitaxel delivery. <i>Carbohydrate Polymers</i> , 2014 , 111, 298-304	10.3	50
546	Evaluation of Novel Antibiotic-Eluting Thermo-responsive Chitosan-PDEAAm Based Wound Dressings. 2014 , 63, 873-883		12
545	Preparation and biological activity of quaternized carboxymethyl chitosan conjugated with collagen peptide. 2014 , 70, 300-5		23
544	Electrospinning of chitosan/sericin/PVA nanofibers incorporated with in situ synthesis of nano silver. <i>Carbohydrate Polymers</i> , 2014 , 113, 231-9	10.3	95
543	Chitosan and Low Molecular Weight Chitosan: Biological and Biomedical Applications. 2014 , 183-242		3
542	Chitosan scaffolds with nanosilver layer for bone implantation obtained by electrolytic method. 2014 , 30, 582-586		2
541	Development of chitosan oleate ionic micelles loaded with silver sulfadiazine to be associated with platelet lysate for application in wound healing. 2014 , 88, 643-50		66
540	Synthesis and characterization of novel pH-sensitive chitosan-poly(acrylamide-co-itaconic acid) hydrogels. 2014 , 63, 1715-1723		15
539	The implications of recent advances in carboxymethyl chitosan based targeted drug delivery and tissue engineering applications. 2014 , 186, 54-87		160
538	Synthesis and characterization of PEG-conjugated quaternized chitosan and its application as a gene vector. <i>Carbohydrate Polymers</i> , 2014 , 103, 566-72	10.3	15
537	Thermo-responsive chitosan-agarose hydrogel for skin regeneration. <i>Carbohydrate Polymers</i> , 2014 , 111, 366-73	10.3	181
536	Antimicrobial coating of modified chitosan onto cotton fabrics. 2014 , 309, 138-143		81

535	Agarose drug delivery systems upgraded by surfactants inclusion: critical role of the pore architecture. <i>Carbohydrate Polymers</i> , 2014 , 103, 359-68	10.3	31
534	Structural analysis of chitosan hydrogels containing polymeric nanocapsules. 2014 , 42, 234-42		25
533	Synthesis and surface modification of polyurethanes with chitosan for antibacterial properties. <i>Carbohydrate Polymers</i> , 2014 , 112, 39-47	10.3	112
532	Preparation and functional evaluation of agarose derivatives. 2014 , 131, n/a-n/a		9
531	Apple pomace as a substrate for fungal chitosan production in an airlift bioreactor. 2014 , 3, 338-342		22
530	Sustained delivery of latanoprost by thermosensitive chitosan-gelatin-based hydrogel for controlling ocular hypertension. 2014 , 10, 4360-6		72
529	Chitosan-silica hybrid porous membranes. 2014 , 42, 553-61		49
528	Production of hexaoligochitin from colloidal chitin using a chitinase from <i>Aeromonas schubertii</i> . 2014 , 69, 59-63		16
527	Comparison of poloxamer- and chitosan-based thermally sensitive gels for the treatment of vaginal mucositis. 2014 , 40, 352-60		39
526	A new TGF- β controlled-released chitosan scaffold for tissue engineering synovial sheath. 2014 , 102, 801-7		18
525	Modification of chitin with kraft lignin and development of new biosorbents for removal of cadmium(II) and nickel(II) ions. 2014 , 12, 2245-68		111
524	Emerging biomedical applications of nano-chitins and nano-chitosans obtained via advanced eco-friendly technologies from marine resources. 2014 , 12, 5468-502		115
523	BIOMIMETIC APPROACHES TO PERIPHERAL NEUROPROSTHETIC INTERFACES. 2014 , 121-151		
522	Poly(lactic Acid)Based Bionanocomposites: A State-of-the-Art Review Report. 2015 , 108-121		
521	Ultraviolet-Crosslinkable and Injectable Chitosan/Hydroxyapatite Hybrid Hydrogel for Critical Size Calvarial Defect Repair In Vivo. 2015 , 6,		3
520	Preparation and characterizations of EGDE crosslinked chitosan electrospun membranes. 2015 , 60, 39-50		11
519	Ein Chitin-MOF-Kompositmaterial mit hierarchischem Porensystem für Anwendungen in der Luftfiltration. 2015 , 127, 12776-12780		6
518	Effects of glucose-functionalized multiwalled carbon nanotubes on the structural, mechanical, and thermal properties of chitosan nanocomposite films. 2015 , 132, n/a-n/a		14

517	Biological Chitin-MOF Composites with Hierarchical Pore Systems for Air-Filtration Applications. 2015 , 54, 12588-91		87
516	Chitin-lignin material as a novel matrix for enzyme immobilization. 2015 , 13, 2424-46		54
515	Alginate hydrogels coated with chitosan for wound dressing. 2015 , 13, 2890-908		102
514	Chitosanases from Family 46 of Glycoside Hydrolases: From Proteins to Phenotypes. 2015 , 13, 6566-87		53
513	Genipin-Crosslinked Chitosan Gels and Scaffolds for Tissue Engineering and Regeneration of Cartilage and Bone. 2015 , 13, 7314-38		160
512	Chitosan and Its Potential Use as a Scaffold for Tissue Engineering in Regenerative Medicine. 2015 , 2015, 821279		294
511	Fabrication of Chitosan Nanofibers Scaffolds with Small Amount Gelatin for Enhanced Cell Viability. 2015 , 749, 220-224		1
510	Enhanced differentiation of osteoblastic cells on novel chitosan/β1,3-glucan/bioceramic scaffolds for bone tissue regeneration. 2015 , 10, 015009		38
509	Phosphorylcholine-modified chitosan films as effective promoters of cell aggregation: correlation between the films properties and cellular response. 2015 , 15, 490-500		4
508	Carboxyl-modified poly(vinyl alcohol)-crosslinked chitosan hydrogel films for potential wound dressing. <i>Carbohydrate Polymers</i> , 2015 , 125, 189-99	10.3	170
507	Novel zinc alginate hydrogels prepared by internal setting method with intrinsic antibacterial activity. <i>Carbohydrate Polymers</i> , 2015 , 125, 103-12	10.3	53
506	Biological effects of chitosan and its derivatives. 2015 , 51, 200-216		150
505	In situ reduction and stabilization of Ag NPs onto magnetic composites for rapid hydrogenation catalysis. 2015 , 75, 680-692		5
504	Preparation and characterization of vanillin-crosslinked chitosan therapeutic bioactive microcarriers. 2015 , 79, 736-47		32
503	Antibacterial Activity Studies of Ni and SnO ₂ Loaded Chitosan Beads. 2015 , 832, 110-122		6
502	Chito oligomers preparation by chitosanase produced under solid state fermentation using shrimp by-products as substrate. <i>Carbohydrate Polymers</i> , 2015 , 121, 1-9	10.3	41
501	Heterologous expression, purification and biochemical characterization of endochitinase ChiA74 from <i>Bacillus thuringiensis</i> . 2015 , 109, 99-105		12
500	Advanced physico-chemical characterization of chitosan by means of TGA coupled on-line with FTIR and GCMS: Thermal degradation and water adsorption capacity. 2015 , 112, 1-9		243

499	Pore architecture and cell viability on freeze dried 3D recombinant human collagen-peptide (RHC)-chitosan scaffolds. 2015 , 49, 174-182		22
498	Chitosan-aluminum monostearate composite sponge dressing containing asiaticoside for wound healing and angiogenesis promotion in chronic wound. 2015 , 50, 210-25		46
497	Lysozyme depolymerization of photo-activated chitosan adhesive films. <i>Carbohydrate Polymers</i> , 2015 , 121, 56-63	10.3	28
496	The supramolecular structure of LPS-chitosan complexes of varied composition in relation to their biological activity. <i>Carbohydrate Polymers</i> , 2015 , 123, 115-21	10.3	8
495	Influence of alkali metal cations on the thermal, mechanical and morphological properties of rectorite/chitosan bio-nanocomposite films. <i>Carbohydrate Polymers</i> , 2015 , 122, 230-6	10.3	4
494	Fluorescent imino and secondary amino chitosans as potential sensing biomaterials. <i>Carbohydrate Polymers</i> , 2015 , 123, 288-96	10.3	13
493	Preparation, characterization, and biochemical activities of N-(2-Carboxyethyl)chitosan from squid pens. 2015 , 63, 2464-71		19
492	Natural-Based and Stimuli-Responsive Polymers for Tissue Engineering and Regenerative Medicine. 2015 , 49-90		3
491	Nutraceuticals and Bioactive Compounds from Seafood Processing Waste. 2015 , 1405-1425		5
490	Coating cortical bone allografts with periosteum-mimetic scaffolds made of chitosan, trimethyl chitosan, and heparin. <i>Carbohydrate Polymers</i> , 2015 , 122, 144-51	10.3	40
489	Chitosan conjugation: a facile approach to enhance the cell viability of LaF ₃ /Yb,Er upconverting nanotransducers in human breast cancer cells. <i>Carbohydrate Polymers</i> , 2015 , 121, 302-8	10.3	12
488	Favorable effects of superficially deacetylated chitin nanofibrils on the wound healing process. <i>Carbohydrate Polymers</i> , 2015 , 123, 461-7	10.3	50
487	Friction behaviour of hydrophilic lubricious coatings for medical device applications. 2015 , 89, 54-61		32
486	Fabrication and characterization of layered chitosan/silk fibroin/nano-hydroxyapatite scaffolds with designed composition and mechanical properties. 2015 , 10, 045013		24
485	Solid-state synthesis of unsaturated chitosan derivatives to design 3D structures through two-photon-induced polymerization. 2015 , 25, 280-282		24
484	Chitin extraction and chitosan production from Chilopoda (<i>Scolopendra cingulata</i>) with identification of physicochemical properties. 2015 , 57, 437-444		10
483	Mechanical properties and permeability of porous chitosan-poly(p-dioxanone)/silk fibroin conduits used for peripheral nerve repair. 2015 , 50, 192-205		18
482	HPLC detection of loss rate and cell migration of HUVECs in a proanthocyanidin cross-linked recombinant human collagen-peptide (RHC)-chitosan scaffold. 2015 , 56, 555-63		10

481	Preparation, assessment, and comparison of chitin nano-fiber films with different surface charges. 2015 , 10, 226	23
480	Eco-friendly Electrospun Polymeric Nanofibers-Based Nanocomposites for Wound Healing and Tissue Engineering. 2015 , 399-431	5
479	Preparation and characterization of quaternary ammonium chitosan hydrogel with significant antibacterial activity. 2015 , 79, 830-6	79
478	Recent progress in biomedical applications of Pluronic (PF127): Pharmaceutical perspectives. 2015 , 209, 120-38	200
477	Influence of ceria nanoparticles on chemical structure and properties of segmented polyesters. 2015 , 53, 15-22	2
476	Genipin-cross-linked chitosan-based hydrogels: Reaction kinetics and structure-related characteristics. 2015 , 132, n/a-n/a	63
475	Preparation and degradation of chitosan-poly(p-dioxanone)/silk fibroin porous conduits. 2015 , 119, 46-55	9
474	Effect of different chitosan derivatives on in vitro scratch wound assay: a comparative study. 2015 , 76, 236-41	73
473	Collagen/chitosan based two-compartment and bi-functional dermal scaffolds for skin regeneration. 2015 , 52, 155-62	44
472	Preparation and Characterization of Carboxymethyl-Functionalized Chitosan Fiber. 2015 , 12, 211-221	6
471	Cytochrome P450 bienzymes assembled on Au/chitosan/reduced graphene oxide nanosheets for electrochemically-driven drug cascade metabolism. 2015 , 165, 36-44	22
470	Chitosan hydrogels enriched with polyphenols: Antibacterial activity, cell adhesion and growth and mineralization. <i>Carbohydrate Polymers</i> , 2015 , 129, 135-42	103 30
469	Synthesis and evaluation of hydroxycamptothecin-encapsulated chitosan nanospheres for the treatment of liver cancer. 2015 , 14, 111-7	8
468	Plasma-Assisted Preparation of High-Performance Chitosan Nanofibers/Gauze Composite Bandages. 2015 , 64, 709-717	7
467	Drug Delivery Applications of Chitosan and its Derivatives. 2015 , 637-678	2
466	Fish collagen/alginate/chitooligosaccharides integrated scaffold for skin tissue regeneration application. 2015 , 81, 504-13	80
465	Chitosan-Based Polysaccharide Biomaterials. 2015 , 1837-1850	4
464	Comparison of two proanthocyanidin cross-linked recombinant human collagen-peptide (RHC) - chitosan scaffolds. 2015 , 26, 585-99	3

463	GOD/HRP Bienenzyme Synergistic Catalysis in a 2-D Graphene Framework for Glucose Biosensing. 2015 , 162, B319-B325		8
462	N-succinyl chitosan preparation, characterization, properties and biomedical applications: a state of the art review. 2015 , 31,		36
461	Chitosan as a starting material for wound healing applications. 2015 , 97, 417-26		269
460	Kinetically stable metal ligand charge transfer complexes as crosslinks in nanogels/hydrogels: Physical properties and cytotoxicity. 2015 , 26, 136-44		11
459	Antibacterial activities of novel nanocomposite biofilms of chitosan/phosphoramidate/Ag NPs. 2015 , 36, 454-466		37
458	Physicochemical Properties of Chitin and Chitosan Produced from Medicinal Fungus (<i>Fomitopsis pinicola</i>). 2015 , 10, 162-168		33
457	Biological evaluation of chitosan-based in situ-forming hydrogel with low phase transition temperature. 2015 , 132, n/a-n/a		6
456	Contact time- and pH-dependent adhesion and cohesion of low molecular weight chitosan coated surfaces. <i>Carbohydrate Polymers</i> , 2015 , 117, 887-894	10.3	54
455	Incorporation of chitosan in biomimetic gelatin/chondroitin-6-sulfate/hyaluronan cryogel for cartilage tissue engineering. <i>Carbohydrate Polymers</i> , 2015 , 117, 722-730	10.3	84
454	Chitosan-alginate membranes accelerate wound healing. 2015 , 103, 1013-22		62
453	Modification of chitosan with monomethyl fumaric acid in an ionic liquid solution. <i>Carbohydrate Polymers</i> , 2015 , 117, 973-979	10.3	38
452	Cauda equina-derived extracellular matrix for fabrication of nanostructured hybrid scaffolds applied to neural tissue engineering. 2015 , 21, 1095-105		13
451	Glycerophosphate-based chitosan thermosensitive hydrogels and their biomedical applications. <i>Carbohydrate Polymers</i> , 2015 , 117, 524-536	10.3	224
450	Flaxseed lignan wound healing formulation: characterization and in vivo therapeutic evaluation. 2015 , 72, 614-23		11
449	Development of thermoplastic starch blown film by incorporating plasticized chitosan. <i>Carbohydrate Polymers</i> , 2015 , 115, 575-81	10.3	119
448	Characterization and antioxidant activity of β -carotene loaded chitosan-graft-poly(lactide) nanomicelles. <i>Carbohydrate Polymers</i> , 2015 , 117, 169-176	10.3	82
447	Development of alginate microspheres as nystatin carriers for oral mucosa drug delivery. <i>Carbohydrate Polymers</i> , 2015 , 117, 140-149	10.3	51
446	Green chitosan-carbon dots nanocomposite hydrogel film with superior properties. <i>Carbohydrate Polymers</i> , 2015 , 115, 238-45	10.3	139

445	Comparison of the Efficiencies of Buffers Containing Ankaferd and Chitosan on Hemostasis in an Experimental Rat Model with Femoral Artery Bleeding. 2016 , 33, 48-52	5
444	Development of Biodegradable Films Based on Chitosan/Glycerol Blends Suitable for Biomedical Applications. 2016 , 07,	13
443	Novel Improvements in Thermal and Hydrophobic Properties of Chitosan Reinforced by Rice Husk Ash. 2016 , 7, 115-133	2
442	Advances in the field of soft tissue engineering. 2016 , 355-386	4
441	Biopolymers as wound healing materials. 2016 , 261-287	18
440	Ionically Crosslinked Chitosan Hydrogels for the Controlled Release of Antimicrobial Essential Oils and Metal Ions for Wound Management Applications. 2016 , 3,	14
439	Polysaccharides from the Marine Environment with Pharmacological, Cosmeceutical and Nutraceutical Potential. 2016 , 21,	133
438	New Concept of Polymethyl Methacrylate (PMMA) and Polyethylene Terephthalate (PET) Surface Coating by Chitosan. 2016 , 8,	10
437	Nanocomposite Drug Carriers. 2016 , 261-284	1
436	Preparation of Chito-Oligomers by Hydrolysis of Chitosan in the Presence of Zeolite as Adsorbent. 2016 , 14,	19
435	Biograft Block Hydroxyapatite: A Ray of Hope in the Reconstruction of Maxillofacial Defects. 2016 , 27, 247-52	6
434	Interests of chitosan nanoparticles ionically cross-linked with tripolyphosphate for biomedical applications. 2016 , 60, 1-17	107
433	Scaffold degradation during bone tissue reconstruction in mandible. 2016 , 8, 77-81	5
432	Synthesis, characterization and bioactivities of N,O-carbonylated chitosan. 2016 , 91, 220-6	20
431	Physical properties imparted by genipin to chitosan for tissue regeneration with human stem cells: A review. 2016 , 93, 1366-1381	44
430	Preparation and characterization of oxidized konjac glucomannan/carboxymethyl chitosan/graphene oxide hydrogel. 2016 , 91, 358-67	50
429	Synthesis and Properties of Hemostatic and Bacteria-Responsive in Situ Hydrogels for Emergency Treatment in Critical Situations. 2016 , 8, 12674-83	127
428	Particulate systems based on pectin/chitosan association for the delivery of manuka honey components and platelet lysate in chronic skin ulcers. 2016 , 509, 59-70	24

427	Continuous-release beads of natural allelochemicals for the long-term control of cyanobacterial growth: Preparation, release dynamics and inhibitory effects. 2016 , 95, 113-23		23
426	Preparation and characterization of porous scaffolds from chitosan-collagen-gelatin composite. 2016 , 103, 131-140		38
425	Prolonged release of TGF- β from polyelectrolyte nanoparticle loaded macroporous chitin-poly(caprolactone) scaffold for chondrogenesis. 2016 , 93, 1402-1409		16
424	Nanoparticle-mediated interplay of chitosan and melatonin for improved wound epithelialisation. <i>Carbohydrate Polymers</i> , 2016 , 146, 445-54	10.3	42
423	Naturally derived biomaterials for addressing inflammation in tissue regeneration. 2016 , 241, 1015-24		29
422	Synthesis of bio-based aldehyde from seaweed polysaccharide and its interaction with bovine serum albumin. <i>Carbohydrate Polymers</i> , 2016 , 150, 278-85	10.3	28
421	Physicochemical Aspects of Chitosan Dispersibility in Acidic Aqueous Media: Effects of the Food Acid Counter-Anion. 2016 , 11, 388-399		16
420	Comparative study of poly(L-lactic acid) scaffolds coated with chitosan nanoparticles prepared via ultrasonication and ionic gelation techniques. 2016 , 13, 498-506		22
419	Development of Polyelectrolyte Chitosan-gelatin Hydrogels for Skin Bioprinting. 2016 , 49, 105-112		49
418	Injectable and microporous scaffold of densely-packed, growth factor-encapsulating chitosan microgels. <i>Carbohydrate Polymers</i> , 2016 , 152, 792-801	10.3	26
417	Electrostatic flocking of chitosan fibres leads to highly porous, elastic and fully biodegradable anisotropic scaffolds. 2016 , 44, 267-76		19
416	BIOMECHANICAL PROPERTIES OF MESHES FOLLOWING IMPLANTATION IN THE RAT ABDOMINAL WALL MODEL. 2016 , 16, 1650036		1
415	Gelatin-based membrane containing usnic acid-loaded liposome improves dermal burn healing in a porcine model. 2016 , 513, 473-482		39
414	Sodium carboxymethylation-functionalized chitosan fibers for cutaneous wound healing application. 2016 , 10, 358-366		4
413	Core-shell hyperbranched chitosan nanostructure as a novel electrode modifier. 2016 , 93, 543-546		8
412	Improvements of physical, mechanical and biodegradation properties of polybutadiene rubber insulators by chitosan and silica nanoparticles. 2016 , 91, 1194-8		14
411	Application of Chitosan-Based Gels in Pharmaceuticals. 2016 , 325-348		2
410	Soft hydrated sliding interfaces as complex fluids. 2016 , 12, 6536-46		21

409	Wound Care: Natural BioPolymer Applications. 2016 , 8245-8257		0
408	Biomedical Benefits of Algal Glycoproteins. 2016 , 141-148		
407	Clobetasol-loaded nanostructured lipid carriers for epidermal targeting. 2016 , 68, 742-50		36
406	Novel aqueous chitosan-based dispersions as efficient drug delivery systems for topical use. Rheological, textural and release studies. <i>Carbohydrate Polymers</i> , 2016 , 151, 692-699	10.3	16
405	Melatonin-loaded chitosan/Pluronic [®] F127 microspheres as in situ forming hydrogel: An innovative antimicrobial wound dressing. 2016 , 107, 67-79		48
404	Evaluation of polypropylene mesh coated with biological hydrogels for temporary closure of open abdomen. 2016 , 31, 302-14		7
403	Fabrication and feasibility study of an absorbable diacetyl chitin surgical suture for wound healing. 2016 , 104, 116-25		24
402	Three-dimensional laser drilling of polymethyl methacrylate (PMMA) scaffold used for bone regeneration. 2016 , 84, 2649-2657		17
401	Application of UVA-riboflavin crosslinking to enhance the mechanical properties of extracellular matrix derived hydrogels. 2016 , 54, 259-67		32
400	Size effects of chitooligomers on the growth and photosynthetic characteristics of wheat seedlings. <i>Carbohydrate Polymers</i> , 2016 , 138, 27-33	10.3	35
399	Porous CS based membranes with improved antimicrobial properties for the treatment of infected wound in veterinary applications. 2016 , 60, 416-426		15
398	Response surface methodology applied to the study of the microwave-assisted synthesis of quaternized chitosan. <i>Carbohydrate Polymers</i> , 2016 , 138, 317-26	10.3	33
397	Evaluation of recombinant human collagen-peptide based porous scaffolds and molecular interaction with chitosan. 2016 , 31, 307-314		2
396	Sponge-Like Dressings Based on the Association of Chitosan and Sericin for the Treatment of Chronic Skin Ulcers. I. Design of Experiments-Assisted Development. 2016 , 105, 1180-7		33
395	Antimicrobial and biocompatible ϵ -polylysine ϵ -poly(glutamic acid) based hydrogel system for wound healing. 2016 , 31, 242-259		28
394	New core-shell hyperbranched chitosan-based nanoparticles as optical sensor for ammonia detection. 2016 , 86, 782-8		30
393	Peptide-decorated chitosan derivatives enhance fibroblast adhesion and proliferation in wound healing. <i>Carbohydrate Polymers</i> , 2016 , 142, 114-23	10.3	30
392	Chitin and chitosan from the Norway lobster by-products: Antimicrobial and anti-proliferative activities. 2016 , 87, 163-71		82

391	Plant, Soil and Microbes. 2016,		19
390	Utilization of Biomaterials as Soil Amendments and Crop Protection Agents in Integrated Nematode Management. 2016, 203-224		1
389	Preparation and characterization of chitosan/gelatin/PVA hydrogel for wound dressings. <i>Carbohydrate Polymers</i> , 2016, 146, 427-34	10.3	280
388	Dendronization of chitosan films: Surface characterization and biological activity. 2016, 100, 18-25		13
387	Preparation and characterization of crosslinked chitosan/gelatin scaffolds by ice segregation induced self-assembly. <i>Carbohydrate Polymers</i> , 2016, 141, 175-83	10.3	96
386	Influence of structural features of carrageenan on the formation of polyelectrolyte complexes with chitosan. 2016, 84, 434-41		15
385	Effect of chito-oligosaccharides over human faecal microbiota during fermentation in batch cultures. <i>Carbohydrate Polymers</i> , 2016, 137, 617-624	10.3	37
384	Square wave voltammetric determination of paracetamol at chitosan modified carbon paste electrode: Application in natural water samples, commercial tablets and human urines. 2016, 58, 70-7		34
383	Thermosensitive chitosan-based hydrogels for sustained release of ferulic acid on corneal wound healing. <i>Carbohydrate Polymers</i> , 2016, 135, 308-15	10.3	62
382	Surface fluid-swelling chitosan fiber as the wound dressing material. <i>Carbohydrate Polymers</i> , 2016, 136, 860-6	10.3	32
381	Chitosan: A Promising Substrate for Regenerative Medicine in Drug Formulation. 2016, 261-277		5
380	Biom mineralization of calcium phosphate crystals on chitin nanofiber hydrogel for bone regeneration material. <i>Carbohydrate Polymers</i> , 2016, 136, 964-9	10.3	43
379	Antioxidant and neuroprotective potential of chito oligomers in <i>Caenorhabditis elegans</i> exposed to Monocrotophos. <i>Carbohydrate Polymers</i> , 2016, 135, 138-44	10.3	23
378	Chitosan-Based Scaffolds for Cartilage Regeneration. 2016, 61-82		1
377	Chitin and Chitosan Nanocomposites for Tissue Engineering. 2016, 123-149		7
376	Chitin and Chitosan for Regenerative Medicine. 2016,		25
375	Gelatin blending and sonication of chitosan nanofiber mats produce synergistic effects on hemostatic functions. 2016, 82, 89-96		57
374	Polylactide-based microspheres prepared using solid-state copolymerized chitosan and d,l-lactide. 2016, 59, 333-338		32

373	Biomedical potential of chitosan/HA and chitosan/β1,3-glucan/HA biomaterials as scaffolds for bone regeneration--A comparative study. 2016 , 58, 891-9		41
372	Controlled delivery systems for tissue repair and regeneration. 2016 , 32, 206-228		21
371	Non-covalently crosslinked chitosan nanofibrous mats prepared by electrospinning as substrates for soft tissue regeneration. <i>Carbohydrate Polymers</i> , 2017 , 162, 82-92	10.3	35
370	Evaluation of the potential of chitosan/β1,3-glucan/hydroxyapatite material as a scaffold for living bone graft production in vitro by comparison of ADSC and BMDSC behaviour on its surface. 2017 , 12, 015030		28
369	Enzymatic synthesis of N-succinyl chitosan-collagen peptide copolymer and its characterization. <i>Carbohydrate Polymers</i> , 2017 , 166, 45-54	10.3	16
368	Long-term properties and end-of-life of polymers from renewable resources. 2017 , 137, 35-57		66
367	A novel ionic amphiphilic chitosan derivative as a stabilizer of nanoemulsions: Improvement of antimicrobial activity of <i>Cymbopogon citratus</i> essential oil. 2017 , 152, 385-392		39
366	Comparative study on the healing potential of chitosan, polymethylmethacrylate, and demineralized bone matrix in radial bone defects of rat. <i>Carbohydrate Polymers</i> , 2017 , 166, 236-248	10.3	31
365	Kinetic study of thermal degradation of chitosan as a function of deacetylation degree. <i>Carbohydrate Polymers</i> , 2017 , 167, 52-58	10.3	45
364	Fully Green Cellulose Nanocomposites. 2017 , 301-334		2
363	Pectins functionalized biomaterials; a new viable approach for biomedical applications: A review. 2017 , 101, 254-272		148
362	Gallium-modified chitosan/poly(acrylic acid) bilayer coatings for improved titanium implant performances. <i>Carbohydrate Polymers</i> , 2017 , 166, 348-357	10.3	36
361	Blends and Graft Copolymers of Cellulosics. 2017 ,		5
360	A Sustainable Bioeconomy. 2017 ,		20
359	Chitosan: A potential biopolymer for wound management. 2017 , 102, 380-383		188
358	Biochemicals. 2017 , 141-183		
357	Electrochemically Driven Omeprazole Metabolism via Cytochrome P450 Assembled on the Nanocomposites of Ceria Nanoparticles and Graphene. 2017 , 164, H470-H476		9
356	Intrinsic parameters for the synthesis and tuned properties of amphiphilic chitosan drug delivery nanocarriers. 2017 , 260, 213-225		56

355	Screening of Nanocomposite Scaffolds Arrays Using Superhydrophobic-Wettable Micropatterns. 2017 , 27, 1701219	14
354	2.13 Chitosan ?. 2017 , 279-305	7
353	Carvacrol/clay hybrids loaded into in situ gelling films. 2017 , 531, 676-688	32
352	In vitro and in vivo assessment of lactic acid-modified chitosan scaffolds for potential treatment of full-thickness burns. 2017 , 105, 2875-2891	5
351	In-situ formation of supramolecular aggregates between chitin nanofibers and silver nanoparticles. <i>Carbohydrate Polymers</i> , 2017 , 173, 295-304	10.3 16
350	Recent Progress in the Utilization of Chitin/Chitosan for Chemicals and Materials. 2017 , 151-187	1
349	Fabrication and characterization of hydrothermal cross-linked chitosan porous scaffolds for cartilage tissue engineering applications. 2017 , 80, 532-542	35
348	Fungal chitosan based nanocomposites sponges-An alternative medicine for wound dressing. 2017 , 104, 1905-1915	39
347	Stereocomplex poly(lactic acid) nanocoated chitosan microparticles for the sustained release of hydrophilic drugs. 2017 , 76, 1129-1135	11
346	Conductive composites based on chitosan and polyvinylpyrrolidone-stabilized graphene. 2017 , 59, 223-227	2
345	Convenient approach to making nanocomposites based on a chitosan/poly(vinyl pyrrolidone) polymer matrix and a graphene nanofiller. 2017 , 134, 45038	2
344	Ionic liquids in the processing and chemical modification of chitin and chitosan for biomedical applications. 2017 , 19, 1208-1220	138
343	Enhanced wound healing activity of desert locust (<i>Schistocerca gregaria</i>) vs. shrimp (<i>Penaeus monodon</i>) chitosan based scaffolds. 2017 , 97, 23-33	9
342	Preparation and cytotoxicity of chitosan-based hydrogels modified with silver nanoparticles. 2017 , 160, 325-330	47
341	Hydrogel film loaded with new formula from manuka honey for treatment of chronic wound infections. 2017 , 11, 171-176	23
340	Perspectives of Chitin- and Chitosan-Based Scaffolds Dressing in Regenerative Medicine. 2017 , 253-269	2
339	Chitin and Chitosan-Based Scaffolds. 2017 , 271-310	0
338	Magnetic Bionanocomposites. 2017 , 205-234	

337	Differential neuronal and glial behavior on flat and micro patterned chitosan films. 2017 , 158, 569-577	8
336	Thyroxin releasing chitosan/collagen based smart hydrogels to stimulate neovascularization. 2017 , 133, 416-425	28
335	Formation and enzymatic degradation of poly-l-arginine/fucoidan multilayer films. 2017 , 159, 468-476	9
334	Chitin and chitosan: biopolymers for wound management. 2017 , 14, 1276-1289	102
333	Natural Polymer-Based Biomaterials and its Properties. 2017 , 607-629	
332	Chitosan Coating on Textile Fibers for Functional Properties. 2017 , 165-197	
331	Effectiveness of chitosan scaffold in skin, bone and cartilage healing. 2017 , 104, 1003-1011	105
330	The influence of polyanion molecular weight on polyelectrolyte multilayers at surfaces: protein adsorption and protein-polysaccharide complexation/stripping on natural polysaccharide films on solid supports. 2017 , 19, 23790-23801	14
329	Biocompatible chitin/carbon nanotubes composite hydrogels as neuronal growth substrates. <i>Carbohydrate Polymers</i> , 2017 , 174, 830-840	10.3 73
328	Chitosan for bone and cartilage regenerative engineering. 2017 , 33-72	3
327	Application of DoE approach in the development of mini-capsules, based on biopolymers and manuka honey polar fraction, as powder formulation for the treatment of skin ulcers. 2017 , 516, 266-277	7
326	Potential of electrospun chitosan fibers as a surface layer in functionally graded GTR membrane for periodontal regeneration. 2017 , 33, 71-83	87
325	Wound healing applications of sericin/chitosan-capped silver nanoparticles incorporated hydrogel. 2017 , 7, 77-88	76
324	Cell Adhesion and Proliferation on Sulfonated and Non-Modified Chitosan Films. 2017 , 18, 974-982	7
323	Controlled local drug delivery strategies from chitosan hydrogels for wound healing. 2017 , 14, 897-908	43
322	Hydrothermal Synthesis of Advanced Chitin-Based Materials. 2017 , 223-249	
321	Extreme Biomimetics. 2017 ,	13
320	Estimation of the performance stability of the newly developed topical haemostatic agents based on the chitosan/alginate fibrils. 2017 , 87, 780-789	3

319	Production of chitosan coatings on metal and ceramic biomaterials. 2017 , 255-293	7
318	Emerging Trends in Therapeutic Algorithm of Chronic Wound Healers: Recent Advances in Drug Delivery Systems, Concepts-to-Clinical Application and Future Prospects. 2017 , 34, 387-452	20
317	Polysaccharides in Human Health Care. 2017 , 12, 1934578X1701200	9
316	Chitosan Ascorbate Nanoparticles for the Vaginal Delivery of Antibiotic Drugs in Atrophic Vaginitis. 2017 , 15,	24
315	Design of New-Generation Usable Forms of Topical Haemostatic Agents Containing Chitosan. 2017 , 22,	6
314	Human Mesenchymal Stem Cells Differentiation Regulated by Hydroxyapatite Content within Chitosan-Based Scaffolds under Perfusion Conditions. 2017 , 9,	15
313	Aplicaciones biomédicas de biomateriales poliméricos. 2017 , 84, 241	4
312	Microbial Degradation of Lobster Shells to Extract Chitin Derivatives for Plant Disease Management. 2017 , 8, 781	21
311	Versatility of Chitosan-Based Biomaterials and Their Use as Scaffolds for Tissue Regeneration. 2017 , 2017, 8639898	33
310	Low Level Energy Photodynamic Therapy for Skin Processes and Regeneration. 2017 ,	2
309	Biodegradable and biocompatible high elastic chitosan scaffold is cell-friendly both in vitro and in vivo. 2017 , 8, 35583-35591	30
308	Microbial Valorization of Chitinous Bioresources for Chitin Extraction and Production of Chito-Oligomers and N-Acetylglucosamine: Trends, Perspectives and Prospects. 2018 , 69-107	9
307	Unique gelation of chitosan in an alkali/urea aqueous solution. 2018 , 141, 124-131	14
306	Thermoplastic blends of chitosan: A method for the preparation of high thermally stable blends with polyesters. <i>Carbohydrate Polymers</i> , 2018 , 191, 44-52	10.3 23
305	Photobiomodulation mechanisms in the kinetics of the wound healing process in rats. 2018 , 183, 22-29	25
304	Cuttlebone as a Marine-Derived Material for Preparing Bone Grafts. 2018 , 20, 363-374	7
303	A functional chitosan-based hydrogel as a wound dressing and drug delivery system in the treatment of wound healing.. 2018 , 8, 7533-7549	319
302	Application of Knitting Structure Textiles in Medical Areas. 2018 , 18, 181-191	19

301	Nanodarts, nanoblades, and nanospikes: Mechano-bactericidal nanostructures and where to find them. 2018 , 252, 55-68		68
300	Hydration of hydrogels studied by near-infrared hyperspectral imaging. 2018 , 32, e2972		3
299	Biomaterials for Skin Substitutes. 2018 , 7, 1700897		88
298	Facile preparation of polysaccharide-based sponges and their potential application in wound dressing. 2018 , 6, 634-640		37
297	PEGylated chitosan nanoparticles with embedded bismuth sulfide for dual-wavelength fluorescent imaging and photothermal therapy. <i>Carbohydrate Polymers</i> , 2018 , 184, 445-452	10.3	29
296	3D-printing porosity: A new approach to creating elevated porosity materials and structures. 2018 , 72, 94-109		50
295	Photoelectrochemical TiO nanotube arrays biosensor for asulam determination based on in-situ generation of quantum dots. 2018 , 110, 1-7		30
294	Multi-hierarchical tissue-engineering ECM-like scaffolds based on cellulose acetate with collagen and chitosan fillers. <i>Carbohydrate Polymers</i> , 2018 , 191, 119-126	10.3	28
293	Chitin production from crustacean biomass: Sustainability assessment of chemical and enzymatic processes. 2018 , 172, 4140-4151		53
292	Chitosan coatings with enhanced biostability in vivo. 2018 , 106, 270-277		7
291	Enzymatic production of fully deacetylated chitooligosaccharides and their neuroprotective and anti-inflammatory properties. 2018 , 36, 57-67		36
290	Fabrication and characterization of chitosan/gelatin/nanodiopside composite scaffolds for tissue engineering application. 2018 , 75, 1487-1504		6
289	Investigation of an elutable N-propylphosphonic acid chitosan derivative composition with a chitosan matrix prepared from carbonic acid solution. <i>Carbohydrate Polymers</i> , 2018 , 179, 196-206	10.3	6
288	Fabrication of tough poly(ethylene glycol)/collagen double network hydrogels for tissue engineering. 2018 , 106, 192-200		13
287	Biomechanical properties and healing effects of chitin patch in a rat full-thickness abdominal wall defect model. 2018 , 106, 1349-1357		3
286	Preparation and characterization of chitosan - collagen peptide / oxidized konjac glucomannan hydrogel. 2018 , 108, 376-382		42
285	Preparation and characterization of antibacterial electrospun chitosan/poly (vinyl alcohol)/graphene oxide composite nanofibrous membrane. 2018 , 435, 832-840		104
284	Enzymatic synthesis of quaternary ammonium chitosan-silk fibroin peptide copolymer and its characterization. 2018 , 109, 1125-1131		10

283	Fabrication of photo-crosslinkable glycol chitosan hydrogel as a tissue adhesive. <i>Carbohydrate Polymers</i> , 2018 , 181, 668-674	10.3	49
282	Chitosan inhibits platelet-mediated clot retraction, increases platelet-derived growth factor release, and increases residence time and bioactivity of platelet-rich plasma in vivo. 2017 , 13, 015005		10
281	Chitosan-Gelatin Hydrogel Crosslinked With Oxidized Sucrose for the Ocular Delivery of Timolol Maleate. 2018 , 107, 3098-3104		30
280	Pharmaceutical and Tissue Engineering Applications of Polyelectrolyte Complexes. 2018 , 3, 21-31		8
279	Electrically Conductive Composites Based on Chitosan and Graphene Stabilized by Pluronic F-108. 2018 , 60, 678-682		0
278	Prospects of Natural Polymeric Scaffolds in Peripheral Nerve Tissue-Regeneration. 2018 , 1077, 501-525		11
277	Design of Biomedical Polymers. 2018 , 1-48		
276	Investigation of using pectin and chitosan as natural excipients in pellet formulation. 2018 , 120, 1208-1215		13
275	Nutrients and Nutraceuticals from Seafood. 2018 , 1-45		0
274	Fabrication of engineered nanoparticles on biological macromolecular (PEGylated chitosan) composite for bio-active hydrogel system in cardiac repair applications. 2018 , 117, 553-558		34
273	Effect of vinyl montmorillonite on the physical, responsive and antimicrobial properties of the optimized polyacrylic acid/chitosan superabsorbent via Box-Behnken model. 2018 , 116, 840-848		20
272	Application of tetracycline hydrochloride loaded-fungal chitosan and extract based composite sponges for wound dressing. 2018 , 14, 63-71		37
271	Interfacial and emulsifying properties of chitosan/sodium lauryl ether sulfate system. 2018 , 557, 9-13		6
270	In vitro and in vivo evaluation of porous chitosan electret membrane for bone regeneration. 2018 , 33, 426-438		3
269	Fabrication of porous chitin membrane using ionic liquid and subsequent characterization and modelling studies. <i>Carbohydrate Polymers</i> , 2018 , 198, 443-451	10.3	16
268	Efficient conversion of chitosan into chitoooligosaccharides by a chitosanolytic activity from <i>Bacillus thuringiensis</i> . 2018 , 73, 102-108		15
267	Nutrients and Nutraceuticals from Seafood. 2018 , 1-45		1
266	Fabrication of multifunctional chitosan-based nanocomposite film with rapid healing and antibacterial effect for wound management. 2018 , 118, 1713-1725		30

265	Chitosan/polyethylene glycol fumarate blend films for wound dressing application: in vitro biocompatibility and biodegradability assays. 2018 , 7, 143-150		8
264	Stabilization of hyaluronan-based materials by peptide conjugation and its use as a cell-seeded scaffold in tissue engineering. <i>Carbohydrate Polymers</i> , 2018 , 201, 300-307	10.3	8
263	Food-Grade Biopolymers as Efficient Delivery Systems for Nutrients: An Overview. 2018 , 401-422		4
262	Skin protectant textiles loaded with fish collagen, chitosan and oak galls extract composite. 2018 , 117, 25-29		13
261	Regenerated chitin fibers reinforced with bacterial cellulose nanocrystals as suture biomaterials. <i>Carbohydrate Polymers</i> , 2018 , 180, 304-313	10.3	58
260	Hydrogels for biomedical applications from glycol chitosan and PEG diglycidyl ether exhibit pro-angiogenic and antibacterial activity. <i>Carbohydrate Polymers</i> , 2018 , 198, 124-130	10.3	37
259	Thermal, chemical, biological and mechanical properties of chitosan films with powder of eggshell membrane for biomedical applications. 2019 , 136, 725-735		14
258	Elaboration of hydroxyapatite nanoparticles and chitosan/hydroxyapatite composites: a present status. 2019 , 76, 2621-2653		18
257	Oxidizing and Nano-dispersing the Natural Silk Fibers. 2019 , 14, 250		3
256	Applications of chitosan in food, pharmaceuticals, medicine, cosmetics, agriculture, textiles, pulp and paper, biotechnology, and environmental chemistry. 2019 , 17, 1667-1692		180
255	Solvent-free synthesis and characterization of allyl chitosan derivatives.. 2019 , 9, 20968-20975		12
254	Thoughts and Tribulations on Bioceramics and Marine Structures. 2019 , 1-25		
253	Hyper-Crosslinked Carbohydrate Polymer for Repair of Critical-Sized Bone Defects. 2019 , 8, 111-120		2
252	Local drug delivery systems in the management of periodontitis: A scientific review. 2019 , 307, 393-409		61
251	The immune reaction and degradation fate of scaffold in cartilage/bone tissue engineering. 2019 , 104, 109927		43
250	Polymeric nanomaterial revolution in drug delivery systems: toward patient care. 2019 , 33-58		1
249	Application of Intelligent Traceability Management System in Agriculture—Take Aodong Fruit and Vegetable Planting Cooperative as an Example. 2019 , 1302, 022046		1
248	Preparation and Properties of Minocycline-Loaded Carboxymethyl Chitosan Gel/Alginate Nonwovens Composite Wound Dressings. 2019 , 17,		9

247	A new look towards the thermal decomposition of chitins and chitosans with different degrees of deacetylation by coupled TG-FTIR. <i>Carbohydrate Polymers</i> , 2019 , 225, 115232	10.3	39
246	Influence of the process parameters on χ chitin and χ chitin extraction: probing about the grinding and particles size. 2019 , 14, 722-732		3
245	In Situ Hydrogel-Forming/Nitric Oxide-Releasing Wound Dressing for Enhanced Antibacterial Activity and Healing in Mice with Infected Wounds. 2019 , 11,		22
244	Evaluation of cytotoxicity, hemocompatibility and spectral studies of chitosan assisted polyurethanes prepared with various diisocyanates. 2019 , 129, 116-126		13
243	Green Synthesis of Chitosan-Silver/Gold Hybrid Nanoparticles for Biomedical Applications. 2019 , 2000, 79-84		3
242	Hyaluronic acid and chitosan-based nanosystems: a new dressing generation for wound care. 2019 , 16, 715-740		43
241	Fundamentals and Applications of Chitosan. 2019 , 49-123		42
240	Sustainable Agriculture Reviews 35. 2019 ,		6
239	In vivo χ Wound healing studies of <i>Leptospermum scoparium</i> honey loaded chitosan bioactive wound dressing. 2019 , 26, 100162		7
238	Nanocarrier-based systems for wound healing. 2019 , 45, 1389-1402		7
237	Melatonin loaded lipid enriched chitosan microspheres χ Hybrid dressing for moderate exuding wounds. 2019 , 52, 431-439		5
236	Modifications of Polymeric Membranes Used in Guided Tissue and Bone Regeneration. 2019 , 11,		22
235	Advancement in science and technology of carbon dot-polymer hybrid composites: a review. 2019 , 1, 022001		66
234	Polyaniline colloids stabilized with bioactive polysaccharides: Non-cytotoxic antibacterial materials. <i>Carbohydrate Polymers</i> , 2019 , 219, 423-430	10.3	8
233	Preparation and Properties of Interpolymer Complexes Capable of Soil Structuring. 2019 , 92, 208-217		5
232	A Composite Chitosan-Reinforced Scaffold Fails to Provide Osteochondral Regeneration. 2019 , 20,		10
231	Polyhydroxybutyrate/Chitosan 3D Scaffolds Promote In Vitro and In Vivo Chondrogenesis. 2019 , 189, 556-575		10
230	Degradability of chitosan micro/nanoparticles for pulmonary drug delivery. 2019 , 5, e01684		84

229	Nanostructured Lipid Carriers of Pioglitazone Loaded Collagen/Chitosan Composite Scaffold for Diabetic Wound Healing. 2019 , 8, 499-513	19
228	Influence of the physicochemical characteristics of diatom frustules on hemorrhage control. 2019 , 7, 1833-1841	7
227	Fabrication and characterization of low-cost freeze-gelated chitosan/collagen/hydroxyapatite hydrogel nanocomposite scaffold. 2019 , 24, 191-203	16
226	Composite materials based on hydroxyapatite embedded in biopolymer matrices: ways of synthesis and application. 2019 , 403-440	
225	Thermally triggered injectable chitosan/silk fibroin/bioactive glass nanoparticle hydrogels for in-situ bone formation in rat calvarial bone defects. 2019 , 91, 60-71	81
224	Synthesis of superabsorbent polymers based on chitosan derivative graft acrylic acid-co-acrylamide and its property testing. 2019 , 132, 575-584	34
223	Preparation, Mechanical Properties, and Biocompatibility of Graphene Oxide-Reinforced Chitin Monofilament Absorbable Surgical Sutures. 2019 , 17,	18
222	Sustainable and green approach of chitosan production from <i>Penicillium citrinum</i> biomass using industrial wastewater as a cheap substrate. 2019 , 240, 431-440	15
221	Adipose tissue-derived mesenchymal stem cells and keratinocytes co-culture on gelatin/chitosan/glycerol phosphate nanoscaffold in skin regeneration. 2019 , 43, 1365	15
220	Nutrients and Nutraceuticals from Seafood. 2019 , 1397-1440	0
219	Soy isoflavone-loaded alginate microspheres in thermosensitive gel base: attempts to improve wound-healing efficacy. 2019 , 71, 774-787	13
218	Synthesis and study of a new biopolymer-based chitosan/hematoxylin grafted to cotton wound dressings. 2019 , 136, 47625	11
217	Bioengineering of microbial transglutaminase for biomedical applications. 2019 , 103, 2973-2984	14
216	The Production Possibility of the Antimicrobial Filaments by Co-Extrusion of the PLA Pellet with Chitosan Powder for FDM 3D Printing Technology. 2019 , 11,	12
215	Obtaining and Characterization of the PLA/Chitosan Foams with Antimicrobial Properties Achieved by the Emulsification Combined with the Dissolution of Chitosan by CO Saturation. 2019 , 24,	10
214	Ionizing Radiation for Preparation and Functionalization of Membranes and Their Biomedical and Environmental Applications. 2019 , 9,	7
213	Physicochemical Properties of Chitosan and its Degradation Products. 2019 , 61-80	4
212	Oligoarginine mediated collagen/chitosan gel composite for cutaneous wound healing. 2019 , 122, 1120-1127	35

211	Super-hydrophilic and high strength polymeric foam dressings of modified chitosan blends for topical wound delivery of chloramphenicol. <i>Carbohydrate Polymers</i> , 2019 , 208, 1-13	10.3	34
210	Preparation, characterization and evaluation of glycerol plasticized chitosan/PVA blends for burn wounds. 2019 , 124, 155-162		39
209	Freeze-dried chitosan-platelet-rich plasma implants improve supraspinatus tendon attachment in a transosseous rotator cuff repair model in the rabbit. 2019 , 33, 792-807		7
208	Chitosan/hollow silica sphere nanocomposites for wound healing application. 2019 , 34, 231-239		6
207	Chitosan and its derivatives: synthesis, biotechnological applications, and future challenges. 2019 , 103, 1557-1571		49
206	Graphene oxide containing chitosan scaffolds for cartilage tissue engineering. 2019 , 127, 396-405		58
205	Design, Development, and Characterization of Imiquimod-Loaded Chitosan Films for Topical Delivery. 2019 , 20, 58		8
204	Marine organisms as a source of natural matrix for bone tissue engineering. 2019 , 45, 1469-1481		23
203	Chondroitin and Glucosamine. 2019 , 27-35		3
202	Bioactive dressings to promote wound healing. 2019 , 135-167		8
201	The role of nanostructures in various wound dressings. 2019 , 489-508		2
200	Curcumin loaded fish scale collagen-HPMC nanogel for wound healing application: Ex-vivo and In-vivo evaluation. 2019 , 68, 165-174		24
199	Enhanced dual network hydrogels consisting of thiolated chitosan and silk fibroin for cartilage tissue engineering. <i>Carbohydrate Polymers</i> , 2020 , 227, 115335	10.3	34
198	Fabrication and characterization of polymer-infiltrated glass ceramic-titania scaffold for bone substitution. 2020 , 35, 168-178		6
197	Understanding the effect of deacetylation on chitin by measuring chemical shift anisotropy tensor and spin lattice relaxation time. 2020 , 738, 136782		15
196	Preparation and bioactivity of acetylated konjac glucomannan fibrous membrane and its application for wound dressing. <i>Carbohydrate Polymers</i> , 2020 , 229, 115404	10.3	14
195	Fabrication and characterization of chitosan based collagen/ gelatin composite scaffolds from big eye snapper <i>Priacanthus hamrur</i> skin for antimicrobial and anti oxidant applications. 2020 , 107, 110270		19
194	Hydrogels and hydrogel composites for 3D and 4D printing applications. 2020 , 427-465		4

193	Electrospun chitosan/nanocrystalline cellulose-graft-poly(N-vinylcaprolactam) nanofibers as the reinforced scaffold for tissue engineering. 2020 , 55, 2176-2185	26
192	Biocompatible compositions based on chitosan and copolymer (lactide/titanium oxide) for engineering of tissue substitutes for wound healing. 2020 , 77, 5083-5101	3
191	Kinetics and controlled release of lidocaine from novel carrageenan and alginate-based blend hydrogels. 2020 , 147, 67-78	19
190	Potentials of sandwich-like chitosan/polycaprolactone/gelatin scaffolds for guided tissue regeneration membrane. 2020 , 109, 110618	27
189	The Pattern of Acetylation Defines the Priming Activity of Chitosan Tetramers. 2020 , 142, 1975-1986	34
188	Chitosan adsorption on nanodiamonds: stability and mechanism. 2020 , 28, 299-303	2
187	Characterization and evaluation of a novel O-carboxymethyl chitosan films with Mimosa tenuiflora extract for skin regeneration and wound healing. 2020 , 35, 39-56	3
186	Polysaccharide-Based Formulations for Healing of Skin-Related Wound Infections: Lessons from Animal Models and Clinical Trials. 2019 , 10,	33
185	Dual-Functioning Scaffolds for the Treatment of Spinal Cord Injury: Alginate Nanofibers Loaded with the Sigma 1 Receptor (S1R) Agonist RC-33 in Chitosan Films. 2019 , 18,	12
184	Integrated approach in designing biphasic nanocomposite collagen/nBCP scaffolds with controlled porosity and permeability for bone tissue engineering. 2020 , 108, 1738-1753	7
183	Crayfish hemocyanin on chitin bone substitute scaffolds promotes the proliferation and osteogenic differentiation of human mesenchymal stem cells. 2020 , 108, 694-708	7
182	Sprayed Pickering emulsion with high antibacterial activity for wound healing. 2020 , 30, 669-676	6
181	Prospection of recent chitosan biomedical trends: Evidence from patent analysis (2009-2020). 2020 , 165, 1924-1938	30
180	Continuous production of uniform chitosan beads as hemostatic dressings by a facile flow injection method. 2020 , 8, 7941-7946	7
179	A Review on Chitosan's Uses as Biomaterial: Tissue Engineering, Drug Delivery Systems and Cancer Treatment. 2020 , 13,	26
178	Biomedical exploitation of chitin and chitosan-based matrices via ionic liquid processing. 2020 , 471-497	
177	Biomedical applications of bionanocomposites. 2020 , 457-483	1
176	Microfibers synthesized by wet-spinning of chitin nanomaterials: mechanical, structural and cell proliferation properties.. 2020 , 10, 29450-29459	9

175	Regulation of inflammatory microenvironment using a self-healing hydrogel loaded with BM-MSCs for advanced wound healing in rat diabetic foot ulcers. 2020 , 11, 2041731420947242	26
174	Chitosan and its Derivatives as Potential Biomaterials. 2020 , 2509-2527	1
173	Marine-origin Polysaccharides for Tissue Engineering and Regenerative Medicine. 2020 , 2619-2650	1
172	Chemical Modifications of Chitin and Chitosan. 2020 , 885-963	4
171	Incorporation of FGF-2 into Pharmaceutical Grade Fucoidan/Chitosan Polyelectrolyte Multilayers. 2020 , 18,	6
170	Thermoresponsive Chitosan/DOPA-Based Hydrogel as an Injectable Therapy Approach for Tissue-Adhesion and Hemostasis. 2020 , 6, 3619-3629	30
169	Biomaterials for diabetic wound-healing therapies. 2020 , 273-304	1
168	Biodegradable 3D printed HA/CMCS/PDA scaffold for repairing lacunar bone defect. 2020 , 116, 111148	13
167	Physical and biological properties of blend-electrospun polycaprolactone/chitosan-based wound dressings loaded with N-decyl-N, N-dimethyl-1-decanaminium chloride: An in vitro and in vivo study. 2020 , 108, 3084-3098	8
166	Chitosan-coated silver nanoparticles promoted antibacterial, antibiofilm, wound-healing of murine macrophages and antiproliferation of human breast cancer MCF 7 cells. 2020 , 90, 106675	21
165	The effect of form of carboxymethyl-chitosan dressings on biological properties in wound healing. 2020 , 194, 111191	24
164	Synthesis of Hybrid Chitosan Silver Nanoparticles Loaded with Doxorubicin with Promising Anti-cancer Activity. 2020 , 10, 758-765	8
163	Marine-Derived Polymers in Ionic Liquids: Architectures Development and Biomedical Applications. 2020 , 18,	10
162	Design and Preparation of New Multifunctional Hydrogels Based on Chitosan/Acrylic Polymers for Drug Delivery and Wound Dressing Applications. 2020 , 12,	14
161	Chitosan-Based Bioactive Glass Gauze: Microstructural Properties, In Vitro Bioactivity, and Biological Tests. 2020 , 13,	10
160	Effective adsorptive removal of reactive dyes by magnetic chitosan nanoparticles: Kinetic, isothermal studies and response surface methodology. 2020 , 164, 344-355	52
159	Chitosan dressings containing inorganic additives and levofloxacin as potential wound care products with enhanced hemostatic properties. 2020 , 162, 693-703	16
158	Effects of the Origin and Deacetylation Degree of Chitosan on Properties of Its Coatings on Titanium. 2020 , 10, 99	3

157	Effect of surface modification by femtosecond laser on zirconia based ceramics for screening of cell-surface interaction. 2020 , 513, 145914		19
156	Functionalized polyaniline:chitosan nanocomposites as a potential biomaterial. 2020 , 32, 334-343		2
155	Doxorubicin-Loaded Squid Pen Plaster: A Natural Drug Delivery System for Cancer Cells.. 2020 , 3, 1514-1519		2
154	Chromatographic mode transition from size exclusion to slalom chromatography as observed for chitosan. <i>Carbohydrate Polymers</i> , 2020 , 235, 115950	10.3	4
153	Patterns matter part 1: Chitosan polymers with non-random patterns of acetylation. 2020 , 151, 104583		19
152	A comparative pulmonary pharmacokinetic study of budesonide using polymeric nanoparticles targeted to the lungs in treatment of asthma. 2020 , 48, 749-762		5
151	Phase equilibria and structures of phases in the chitosan/polyvinyl alcohol systems. 2020 , 69, 675-682		2
150	Chitosan/collagen based biomimetic osteochondral tissue constructs: A growth factor-free approach. 2020 , 156, 681-690		22
149	Chemie der Chitosan-Aerogele: Lenkung der dreidimensionalen Poren für maßgeschneiderte Anwendungen. 2021 , 133, 9913-9938		
148	Chemistry of Chitosan Aerogels: Three-Dimensional Pore Control for Tailored Applications. 2021 , 60, 9828-9851		35
147	Development of hybrid scaffold: Bioactive glass nanoparticles/chitosan for tissue engineering applications. 2021 , 109, 590-599		14
146	Chitosan-based glycerol-plasticized membranes: bactericidal and fibroblast cellular growth properties. 2021 , 78, 4297-4312		1
145	Study of vitamin E microencapsulation and controlled release from chitosan/sodium lauryl ether sulfate microcapsules. <i>Carbohydrate Polymers</i> , 2021 , 251, 116988	10.3	25
144	Anti-bacterial dynamic hydrogels prepared from O-carboxymethyl chitosan by dual imine bond crosslinking for biomedical applications. 2021 , 167, 1146-1155		15
143	Pterocarpus marsupium Roxburgh heartwood extract/chitosan nanoparticles loaded hydrogel as an innovative wound healing agent in the diabetic rat model. 2021 , 26, 101916		9
142	Management of recurrent aphthous ulcers exploiting polymer-based Muco-adhesive sponges and evaluation. 2021 , 28, 87-99		6
141	Antimicrobial Properties and Application of Polysaccharides and Their Derivatives. 2021 , 39, 133-146		13
140	Biosynthesized silver nanoparticles loaded in gelatine hydrogel for a natural antibacterial and anti-biofilm wound dressing. 2021 , 36, 111-123		5

- 139 Chitosan based bionanocomposites in osteoporosis. **2021**, 243-266
- 138 Bifunctional scaffolds of hydroxyapatite/poly(dopamine)/carboxymethyl chitosan with osteogenesis and anti-osteosarcoma effect. **2021**, 9, 3319-3333 8
- 137 Physical and Chemical Modification of Chitin/Chitosan for Functional Wound Dressings. **2021**, 257-299 1
- 136 Preparation and biomedical application of injectable hydrogels. 3
- 135 Alginate-based bionanocomposites in medical textiles. **2021**, 377-398
- 134 Hydroxyapatite Based Materials for Bone Tissue Engineering: A Brief and Comprehensive Introduction. **2021**, 11, 149 27
- 133 Catechol functionalized chitosan/active peptide microsphere hydrogel for skin wound healing. **2021**, 173, 591-606 14
- 132 Preparation and Characterization of Polyvinyl Alcohol-Chitosan/Cerium Hydrogel with Significant Antibacterial Activity. **2021**, 73, 2000253 1
- 131 Tin Oxide Encapsulated into Pyrolyzed Chitosan as a Negative Electrode for Lithium Ion Batteries. **2021**, 14, 2
- 130 Development of a Mechanically Strong Nondegradable Protein Hydrogel with a Sponge-Like Morphology. **2021**, 21, e2000396 1
- 129 Chitosan and Derivatives: Bioactivities and Application in Foods. **2021**, 12, 407-432 8
- 128 Natural bio-based monomers for biomedical applications: a review. **2021**, 25, 8 16
- 127 Preparation of alginate-chitosan floating granules loaded with 2-methyl-4-chlorophenoxy acetic acid (MCPA) and their bioactivity on water hyacinth. **2021**, 77, 3942-3951 2
- 126 Green and chemically synthesized magnetic iron oxide nanoparticles-based chitosan composites: preparation, characterization, and future perspectives. **2021**, 32, 10587-10599 1
- 125 Effects of chitosan and platelet-rich plasma on facial nerve regeneration in an animal model. **2021**, 1 1
- 124 Marine Polysaccharides: Properties and Applications. **2021**, 37-60 2
- 123 Investigation of the Potential of Nebivolol Hydrochloride-Loaded Chitosomal Systems for Tissue Regeneration: In Vitro Characterization and In Vivo Assessment. **2021**, 13, 2
- 122 Ag-Based Synergistic Antimicrobial Composites. A Critical Review. **2021**, 11, 9

121	Understanding the Potential Role and Delivery Approaches of Nitric Oxide in Chronic Wound Healing Management. 2021 , 27, 1999-2014	5
120	Chitosan/PVA Based Membranes Processed by Gamma Radiation as Scaffolding Materials for Skin Regeneration. 2021 , 11,	1
119	The effects of the molecular weight of chitosan on the tissue inflammatory response. 2021 , 109, 2556-2569	1
118	Thermo-responsive chitosan/silk fibroin/amino-functionalized mesoporous silica hydrogels with strong and elastic characteristics for bone tissue engineering. 2021 , 182, 1746-1758	6
117	Prospection of chitosan and its derivatives in wound healing: Proof of patent analysis (2010-2020). 2021 , 184, 701-712	11
116	Chitosan-Coated Poly(lactic acid) Nanofibres Loaded with Essential Oils for Wound Healing. 2021 , 13,	6
115	Understanding the structural diversity of chitins as a versatile biomaterial. 2021 , 379, 20200331	9
114	Novel synthesis of natural cation exchange resin by crosslinking the sodium alginate as a natural polymer with 1,6-hexamethylene diisocyanate in inert solvents: Characteristics and applications. 2021 , 184, 926-935	3
113	Hydroxypropyl Chitosan/Soy Protein Isolate Conduits Promote Peripheral Nerve Regeneration. 2021 ,	0
112	Highly Segregated Biocomposite Membrane as a Functionally Graded Template for Periodontal Tissue Regeneration. 2021 , 11,	1
111	3D Printed Chitosan Composite Scaffold for Chondrocytes Differentiation. 2021 , 17, 832-842	3
110	Biomaterials for Soft Tissue Repair and Regeneration: A Focus on Italian Research in the Field. 2021 , 13,	5
109	Anisotropic Chitosan Scaffolds Generated by Electrostatic Flocking Combined with Alginate Hydrogel Support Chondrogenic Differentiation. 2021 , 22,	4
108	pH-Sensitive Hydrogels Based on Copolymers of Chitosan with Acrylamide and Sodium Acrylate. 899, 92-97	0
107	Design and evaluation of chitosan-amino acid thermosensitive hydrogel. 1	0
106	Preparation of Centella asiatica loaded gelatin/chitosan/nonwoven fabric composite hydrogel wound dressing with antibacterial property. 2021 , 192, 350-359	4
105	Mucoadhesive Biopolymer Nanoparticles for Encapsulation of Lipophilic Nutrients With Enhanced Bioactivity. 1	1
104	Chitosan alginate nanoparticles as a platform for the treatment of diabetic and non-diabetic pressure ulcers: Formulation and in vitro/in vivo evaluation. 2021 , 607, 120963	8

103	Biotinylated chitosan macromolecule based nanosystems: A review from chemical design to biological targets. 2021 , 188, 82-93	1
102	Recent advances in biopolymer-based formulations for wound healing applications. 2021 , 160, 110784	5
101	Cationic waterborne polyurethane-chitosan based on natural rubber as new green antimicrobial coating. 2021 , 161, 106497	2
100	Chitosan/gelatin/PVA membranes for mammalian cell culture. 2021 , 2, 100163	1
99	Characterization of Chitosan-Based Scaffolds Seeded with Sheep Nasal Chondrocytes for Cartilage Tissue Engineering. 2021 , 49, 1572-1586	6
98	Enhanced Cellular Activity on Conducting Polymer. 2021 , 734-773	
97	Chitin and chitosan. 2021 , 1039-1072	4
96	Effect of the Degree of Acetylation of Chitin Nonwoven Fabrics for Promoting Wound Healing.. 2021 , 4, 1833-1842	4
95	Methods of Polysaccharides Crosslinking: Future-Promising Crosslinking Techniques of Alginate Hydrogels for 3D Printing in Biomedical Applications. 2021 , 355-382	0
94	Chitosan-Based Polysaccharide Biomaterials. 2014 , 1-13	1
93	Recent Advances on the Development of Antibacterial Polysaccharide-Based Materials. 2015 , 1751-1803	5
92	Functional Biocomposites of Calcium Phosphate-chitosan and Its Derivatives for Hard Tissue Regeneration Short Review. 2018 , 97-130	0
91	Selective synthesis of N,N,N-trimethylated chitosan derivatives at different degree of substitution and investigation of structure-activity relationship for activity against P. aeruginosa and MRSA. 2020 , 160, 548-557	17
90	Wound Healing: Hemoderivatives and Biopolymers. 2017 , 1642-1660	1
89	Lysozyme-Induced Degradation of Chitosan: The Characterisation of Degraded Chitosan Scaffolds. 2017 , 1, 12-22	36
88	Biopolymeric, Nanopatterned, Fibrous Carriers for Wound Healing Applications. 2020 , 26, 4894-4908	9
87	Biomedical and Pharmaceutical-Related Applications of Laccases. 2020 , 21, 78-98	11
86	Chitosan and Its Derivatives - Biomaterials with Diverse Biological Activity for Manifold Applications. 2019 , 19, 737-750	20

85	Current Progress in Biomedical Applications of Chitosan-Carbon Nanotube Nanocomposites: A Review. 2020 , 20, 1619-1632	4
84	Nanoparticle-loaded microcapsules providing effective UV protection for Cry1Ac. 2021 , 38, 522-532	1
83	Wound healing and antibacterial activities of water-soluble chitosan nanoparticles and excretion/secretion as a natural combination from medicinal maggots, <i>Lucilia cuprina</i> . 088391152110539	
82	A review on valorization of chitinous waste. 2021 , 28, 1	0
81	Pickering emulsions-chitosan hydrogel beads carrier system for loading of resveratrol: Formulation approach and characterization studies. 2021 , 169, 105074	1
80	Chitin and Chitosan for Tissue Engineering Application. 2012 , 435-452	
79	Chitin and Chitosan as Biomaterial Building Blocks. 177-198	
78	Fabrication and Characteristics of Chitosan Non-woven Fabric developed using only water as plasticizer. 2014 , 16, 319-325	
77	Chitosan: Drug Delivery Systems. 1709-1721	
76	Cell Encapsulation. 1348-1358	
75	Gallnut dyeing of Crabon Fiber Contained Cotton Towels. 2015 , 17, 1030-1038	3
74	Nanocomposite Membranes in Water Treatment. 2015 , 134-181	
73	Wound Healing: Hemoderivatives and Biopolymers. 8280-8298	
72	Dermal and Transdermal Drug Delivery Systems. 2606-2619	1
71	Biofiber-Reinforced Biopolymer Composites. 2016 , 359-408	
70	Smart Biomaterials in Tissue-Engineering Applications. 2016 , 125-150	
69	CHAPTER 11:Ionic Liquids as Tools in the Production of Smart Polymeric Hydrogels. 2017 , 304-318	
68	Cellulosic Polymer Blends 2: With Aliphatic Polyesters. 2017 , 45-73	

- 67 Skin Tissue Engineering. **2017**, 1408-1423
- 66 Wound Care: Natural Biopolymer Applications. **2017**, 1607-1619
- 65 Chapter 11:3D Tissue Modeling of Skin Tissue. **2019**, 233-252
- 64 Biocompatible and Biodegradable Chitosan Composites in Wound Healing Application: In Situ Novel Photo-Induced Skin Regeneration Approach. **2019**, 143-183 1
- 63 Enhanced Cellular Activity on Conducting Polymer. **2019**, 150-189
- 62 Design of Biomedical Polymers. **2019**, 191-237
- 61 Effects of Cell Seeding Methods on Chondrogenic Differentiation of Rat Mesenchymal Stem Cells in Polyhydroxybutyrate/Chitosan Scaffolds. **2019**, 63, 6-16
- 60 Preparation of extract-loaded chitosan-sodium lauryl sulfate beads and chitosan-alginate films for wound dressing application. **2021**, 8, 754-775 1
- 59 Biocompatibility of Materials for Biomedical Engineering. **2020**, 1250, 125-140 1
- 58 Chemically modified chitin, chitosan, and chitinous polymers as biomaterials. **2020**, 43-69 1
- 57 Encyclopedia of Biophysics. **2020**, 1-7
- 56 Chitin and chitosan composites for wearable electronics and energy storage devices. **2020**, 71-88 1
- 55 A novel image analysis algorithm reveals that media conditioned with chitosan and platelet-rich plasma biomaterial dose dependently increases fibroblast migration in a scratch assay. **2020**, 6,
- 54 Enhanced Dissolution of Chitin Using Acidic Deep Eutectic Solvents: A Sustainable and Simple Approach to Extract Chitin from Crayfish shell Wastes as Alternative Feedstocks. 2
- 53 Study of double-bonded carboxymethyl chitosan/cysteamine-modified chondroitin sulfate composite dressing for hemostatic application. **2021**, 110875 5
- 52 Self-crosslinked chitosan/κ-carrageenan-based biomimetic membranes to combat diabetic burn wound infections.. **2021**, 197, 157-157 4
- 51 Microstructure and properties of thermomechanically processed chitosan citrate-based materials.. *Carbohydrate Polymers*, **2022**, 278, 118984 10.3 1
- 50 A novel method of creating thermoplastic chitosan blends to produce cell scaffolds by FDM additive manufacturing.. *Carbohydrate Polymers*, **2022**, 280, 119028 10.3 1

49	Bio-orthogonally crosslinked catechol-chitosan hydrogel for effective hemostasis and wound healing.. <i>Carbohydrate Polymers</i> , 2022 , 281, 119039	10.3	4
48	Lawson-encapsulated chitosan/polyethylene oxide nanofibrous mat as a potential antibacterial biobased wound dressing. 2021 , 2, 219-226		5
47	Nanostructured-lipid carriers-Chitosan hydrogel beads carrier system for loading of resveratrol: A new method of topical application.. 2022 , 8853282211053923		0
46	Combination of Polysaccharide Nanofibers Derived from Cellulose and Chitin Promotes the Adhesion, Migration and Proliferation of Mouse Fibroblast Cells.. 2022 , 12,		3
45	General Characteristics, Biomedical and Dental Application, and Usage of Chitosan in the Treatment of Temporomandibular Joint Disorders: A Narrative Review.. 2022 , 14,		3
44	Chitin and Its Derivatives. 2022 , 205-228		
43	Effect of Ce-doped bioactive glass/collagen/chitosan nanocomposite scaffolds on the cell morphology and proliferation of rabbit's bone marrow mesenchymal stem cells-derived osteogenic cells.. 2022 , 20, 33		0
42	Characterization of Chitin-Glucan Complex of Ganoderma lucidum Extract and Its Application as Hemostatic Hydrogel. 1		1
41	Crustacean waste biorefinery as a sustainable cost-effective business model. 2022 , 135937		2
40	A bio-based elastomer from cornstalk pith scaffold and natural rubber complexing with ferric ions: Preparation and mechanical properties. 2022 , 244, 124678		0
39	Strong and Elastic Chitosan/Silk Fibroin Hydrogels Incorporated with Growth-Factor-Loaded Microspheres for Cartilage Tissue Engineering.. 2022 , 7,		5
38	Bone Quantification Around Chitosan-Coated Titanium Dental Implants: A Preliminary Study by Micro-CT Analysis in Jaw of a Canine Model.. 2022 , 10, 858786		0
37	Phenytoin-loaded bioactive nanoparticles for the treatment of diabetic pressure ulcers: formulation and in vitro/in vivo evaluation.. 2022 , 1		1
36	Accelerated Discovery of the Polymer Blends for Cartilage Repair through Data-Mining Tools and Machine-Learning Algorithm.. 2022 , 14,		1
35	Marine Biomaterials for Pharmaceutical Applications: A Review. 2022 , 08,		
34	Fabrication of alginate/chitosan nanocomposite sponges using green synthesized carbon dots as potential wound dressing. 2022 , 24, 100910		0
33	Advances in adhesive hydrogels for tissue engineering. 2022 , 172, 111241		0
32	Strong and Elastic Hydrogels From Dual-Crosslinked Composites Composed of Glycol Chitosan and Amino-Functionalized Bioactive Glass Nanoparticles. 2022 , 12, 1874		1

31	Contribution of polysaccharides from crustacean in fermented food products. 2022,	0
30	Bi Kaliks[4]aren-Fonksiyonlu Biyopolimerlerin Hazırlanması ve Cr(VI)/As(V) Anyonlarına Karşı Ekstraksiyon Yeteneklerinin İncelenmesi.	
29	Homogeneous Etherification Modification of Chitosan and Preparation of High-Strength Hydrogel. 2022, 2261, 012011	
28	Surface Functionalized Polyaniline Nanofibers:Chitosan Nanocomposite for Promoting Neuronal-like Differentiation of Primary Adipose Derived Mesenchymal Stem Cells and Urease Activity. 2022, 5, 3193-3211	0
27	Progress of Polysaccharide-Contained Polyurethanes for Biomedical Applications.	0
26	Regioselective sulfated chitosan produces a biocompatible and antibacterial wound dressing with low inflammatory response. 2022, 139, 213020	2
25	Accurate Determination of the Degree of Deacetylation of Chitosan Using UPLC/MS/MS. 2022, 23, 8810	0
24	Nanogel-Based Transdermal Drug Delivery System: A Therapeutic Strategy with Under Discussed Potential. 2022, 22,	1
23	Drug-Loaded Chitosan Scaffolds for Periodontal Tissue Regeneration. 2022, 14, 3192	3
22	Advances in chitosan-based wound dressings: Modifications, fabrications, applications and prospects. 2022, 297, 120058	1
21	Effective dispersion of oxidized multi-walled carbon nanotubes using a water-soluble N,O-carboxymethyl chitosan via non-covalent interaction. 2022, 12, 23754-23761	0
20	Chitosan-G-Glycidyl Methacrylate/Au Nanocomposites Promote Accelerated Skin Wound Healing. 2022, 14, 1855	1
19	Multi-Crosslinked Strong and Elastic Bioglass/Chitosan-Cysteine Hydrogels with Controlled Quercetin Delivery for Bone Tissue Engineering. 2022, 14, 2048	0
18	Basella alba stem extract integrated poly (vinyl alcohol)/chitosan composite films: A promising bio-material for wound healing. 2022,	2
17	Valorization of Agri-Food Waste and By-Products: Shellfish. 2023,	0
16	Fabrication and DOE Optimization of Electrospun Chitosan/Gelatin/PVA Nanofibers for Skin Tissue Engineering. 2200562	0
15	Medicinal Potential of the Insoluble Extracted Fibers Isolated from the Fomes fomentarius (Agaricomycetes) Fruiting Bodies: A Review. 2022,	0
14	Recent Advances in Composites from Seaweeds. 2023, 275-291	0

- 13 Synthesis and characterization of mussel-inspired nanocomposites based on dopamine-chitosan-iron oxide for wound healing: In vitro study. **2023**, 632, 122538 ○
- 12 Bioderived dyes-mediated vat photopolymerization 3D printing of chitosan hydrogels for tissue engineering. **2023**, 69, 103553 ○
- 11 Chitosan-based hemostatic sponges as new generation hemostatic materials for uncontrolled bleeding emergency: Modification, composition, and applications. **2023**, 311, 120780 ○
- 10 Kaolin-loaded carboxymethyl chitosan/sodium alginate composite sponges for rapid hemostasis. **2023**, 233, 123532 ○
- 9 Chitosan-based beads as sustainable adsorbents for wastewater remediation: a review. ○
- 8 The Effects of Chitosan on the Healing Process of Oral Mucosa: An Observational Cohort Feasibility Split-Mouth Study. **2023**, 13, 706 ○
- 7 Design, development, in-vitro and in-vivo evaluation of polylactic acid-based multifunctional nanofibrous patches for efficient healing of diabetic wounds. **2023**, 13, ○
- 6 Fabrication of Acorn-Loaded Chitosan/Gelatin Nanofibrous Web to Increase Antibacterial Activity for Wound-Healing Applications. **2023**, 24, 893-905 ○
- 5 Chitin as a biobased material in osteoporosis. **2023**, 349-362 ○
- 4 Phosphoserine-loaded chitosan membranes promote bone regeneration by activating endogenous stem cells. 11, ○
- 3 Gyroid-structured nanoporous chitosan from block copolymer template for UVC reflection. **2023**, 15, ○
- 2 Nanocellulose-Based Thermoplastic Polyurethane Biocomposites with Shape Memory Effect. **2023**, 7, 168 ○
- 1 Biodegradable nanomaterials as antimicrobial agents. **2023**, 117-130 ○