Hongbing Deng

List of Publications by Citations

147 papers	5,301 citations	44 h-index	65 g-index
152 ext. papers	6,457 ext. citations	7.9 avg, IF	6.03 L-index

#	Paper	IF	Citations
147	Emerging chitin and chitosan nanofibrous materials for biomedical applications. *Nanoscale*, **2014**, 6, 9477-93	7.7	262
146	Biomimetic LBL structured nanofibrous matrices assembled by chitosan/collagen for promoting wound healing. *Biomaterials*, **2015**, 53, 58-75	15.6	132
145	A dynamic and self-crosslinked polysaccharide hydrogel with autonomous self-healing ability. *Soft Matter*, **2015**, 11, 3971-6	3.6	120
144	Chitosan/silk fibroin modified nanofibrous patches with mesenchymal stem cells prevent heart remodeling post-myocardial infarction in rats. *Acta Biomaterialia*, **2018**, 80, 154-168	10.8	120
143	Highly cost-effective and high-strength hydrogels as dye adsorbents from natural polymers: chitosan and cellulose. *Polymer Chemistry*, **2017**, 8, 2913-2921	4.9	119
142	Controlled Co-delivery of Growth Factors through Layer-by-Layer Assembly of Core-Shell Nanofibers for Improving Bone Regeneration. *ACS Nano*, **2019**, 13, 6372-6382	16.7	116
141	Applications of chitin and chitosan nanofibers in bone regenerative engineering. *Carbohydrate Polymers*, **2020**, 230, 115658	10.3	106
140	Quaternized chitosan-layered silicate intercalated composites based nanofibrous mats and their antibacterial activity. *Carbohydrate Polymers*, **2012**, 89, 307-13	10.3	96
139	Layer-by-layer structured polysaccharides film-coated cellulose nanofibrous mats for cell culture. *Carbohydrate Polymers*, **2010**, 80, 474-479	10.3	96
138	Nanogels fabricated by lysozyme and sodium carboxymethyl cellulose for 5-fluorouracil controlled release. *International Journal of Pharmaceutics*, **2013**, 441, 721-7	6.5	94
137	Cellular Structured CNTs@SiO Nanofibrous Aerogels with Vertically Aligned Vessels for Salt-Resistant Solar Desalination. *Advanced Materials*, **2020**, 32, e1908269	24	94
136	Layer-by-layer immobilization of lysozyme□chitosan□rganic rectorite composites on electrospun nanofibrous mats for pork preservation. *Food Research International*, **2012**, 48, 784-791	7	91
135	Enhanced bacterial inhibition activity of layer-by-layer structured polysaccharide film-coated cellulose nanofibrous mats via addition of layered silicate. *Carbohydrate Polymers*, **2011**, 83, 239-245	10.3	91
134	Recyclable Saccharomyces cerevisiae loaded nanofibrous mats with sandwich structure constructing via bio-electrospraying for heavy metal removal. *Journal of Hazardous Materials*, **2017**, 324, 365-372	12.8	88
133	Antibacterial multilayer films fabricated by layer-by-layer immobilizing lysozyme and gold nanoparticles on nanofibers. *Colloids and Surfaces B: Biointerfaces*, **2014**, 116, 432-8	6	87
132	A study of chitosan hydrogel with embedded mesoporous silica nanoparticles loaded by ibuprofen as a dual stimuli-responsive drug release system for surface coating of titanium implants. *Colloids and Surfaces B: Biointerfaces*, **2014**, 123, 657-63	6	82
131	Ultrasensitive SERS Substrate Integrated with Uniform Subnanometer Scale □Hot Spots□Created by a Graphene Spacer for the Detection of Mercury Ions. *Small*, **2017**, 13, 1603347	11	79

130	Antibacterial activity of nanofibrous mats coated with lysozyme-layered silicate composites via electrospraying. *Carbohydrate Polymers*, **2014**, 99, 218-25	10.3	79
129	Advanced Silk Fibroin Biomaterials for Cartilage Regeneration. *ACS Biomaterials Science and Engineering*, **2018**, 4, 2704-2715	5.5	75
128	Iron(II) cross-linked chitin-based gel beads: Preparation, magnetic property and adsorption of methyl orange. *Carbohydrate Polymers*, **2010**, 82, 706-713	10.3	72
127	Functional nanoparticles in targeting glioma diagnosis and therapies. *Journal of Nanoscience and Nanotechnology*, **2014**, 14, 415-32	1.3	70
126	Pectin/lysozyme bilayers layer-by-layer deposited cellulose nanofibrous mats for antibacterial application. *Carbohydrate Polymers*, **2015**, 117, 687-693	10.3	69
125	Plasma treated polyethylene terephthalate/polypropylene films assembled with chitosan and various preservatives for antimicrobial food packaging. *Colloids and Surfaces B: Biointerfaces*, **2014**, 114, 60-6	6	67
124	Fabrication of polymer/layered silicate intercalated nanofibrous mats and their bacterial inhibition activity. *Carbohydrate Polymers*, **2011**, 83, 973-978	10.3	67
123	Electrodeposition of Ag nanoparticles on conductive polyaniline/cellulose aerogels with increased synergistic effect for energy storage. *Carbohydrate Polymers*, **2017**, 156, 19-25	10.3	64
122	Construction of horizontal stratum landform-like composite foams and their methyl orange adsorption capacity. *Applied Surface Science*, **2017**, 397, 133-143	6.7	63
121	Enhanced physical and biological properties of silk fibroin nanofibers by layer-by-layer deposition of chitosan and rectorite. *Journal of Colloid and Interface Science*, **2018**, 523, 208-216	9.3	63
120	Layer-by-layer immobilization of quaternized carboxymethyl chitosan/organic rectorite and alginate onto nanofibrous mats and their antibacterial application. *Carbohydrate Polymers*, **2015**, 121, 428-35	10.3	62
119	Poly(vinyl alcohol)/sodium alginate/layered silicate based nanofibrous mats for bacterial inhibition. *Carbohydrate Polymers*, **2013**, 92, 2232-8	10.3	60
118	KGM and PMAA based pH-sensitive interpenetrating polymer network hydrogel for controlled drug release. *Carbohydrate Polymers*, **2013**, 97, 565-70	10.3	59
117	Nanofibrous mats layer-by-layer assembled via electrospun cellulose acetate and electrosprayed chitosan for cell culture. *European Polymer Journal*, **2012**, 48, 1846-1853	5.2	58
116	Antibacterial hydrogel coating by electrophoretic co-deposition of chitosan/alkynyl chitosan. *Carbohydrate Polymers*, **2013**, 98, 1547-52	10.3	57
115	Construction of lysozyme exfoliated rectorite-based electrospun nanofibrous membranes for bacterial inhibition. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	53
114	Coding for hydrogel organization through signal guided self-assembly. *Soft Matter*, **2014**, 10, 465-9	3.6	50
113	Electrochemical writing on edible polysaccharide films for intelligent food packaging. *Carbohydrate Polymers*, **2018**, 186, 236-242	10.3	49

112	Novel layer-by-layer structured nanofibrous mats coated by protein films for dermal regeneration. *Journal of Biomedical Nanotechnology*, **2014**, 10, 803-10	4	49
111	Antibacterial multilayer films fabricated by LBL immobilizing lysozyme and HTCC on nanofibrous mats. *International Journal of Biological Macromolecules*, **2013**, 53, 26-31	7.9	48
110	Incorporating platelet-rich plasma into coaxial electrospun nanofibers for bone tissue engineering. *International Journal of Pharmaceutics*, **2018**, 547, 656-666	6.5	47
109	Chitin-based fast responsive pH sensitive microspheres for controlled drug release. *Carbohydrate Polymers*, **2014**, 102, 413-8	10.3	47
108	Chitin derived nitrogen-doped porous carbons with ultrahigh specific surface area and tailored hierarchical porosity for high performance supercapacitors. *Journal of Bioresources and Bioproducts*, **2021**, 6, 142-151	18.7	47
107	Layer-by-layer immobilization of amphoteric carboxymethyl chitosan onto biocompatible silk fibroin nanofibrous mats. *Carbohydrate Polymers*, **2019**, 210, 9-16	10.3	46
106	Chitosan-rectorite nanospheres embedded aminated polyacrylonitrile nanofibers via shoulder-to-shoulder electrospinning and electrospraying for enhanced heavy metal removal. *Applied Surface Science*, **2018**, 437, 294-303	6.7	45
105	Silver ions/ovalbumin films layer-by-layer self-assembled polyacrylonitrile nanofibrous mats and their antibacterial activity. *Colloids and Surfaces B: Biointerfaces*, **2013**, 108, 322-8	6	45
104	Controllable immobilization of naringinase on electrospun cellulose acetate nanofibers and their application to juice debittering. *International Journal of Biological Macromolecules*, **2017**, 98, 630-636	7.9	44
103	Acrylic acid-grafted pre-plasma nanofibers for efficient removal of oil pollution from aquatic environment. *Journal of Hazardous Materials*, **2019**, 371, 165-174	12.8	43
102	Fabrication of cellulose nanofibers from waste brown algae and their potential application as milk thickeners. *Food Hydrocolloids*, **2018**, 79, 473-481	10.6	42
101	Quaternized chitosan-organic rectorite intercalated composites based nanoparticles for protein controlled release. *International Journal of Pharmaceutics*, **2012**, 438, 258-65	6.5	42
100	Accelerated skin wound healing by soy protein isolate-modified hydroxypropyl chitosan composite films. *International Journal of Biological Macromolecules*, **2018**, 118, 1293-1302	7.9	41
99	Chitosan/tannic acid bilayers layer-by-layer deposited cellulose nanofibrous mats for antibacterial application. *International Journal of Biological Macromolecules*, **2019**, 139, 191-198	7.9	39
98	Antimicrobial application of nanofibrous mats self-assembled with chitosan and epigallocatechin gallate. *Colloids and Surfaces B: Biointerfaces*, **2016**, 145, 643-652	6	39
97	Accelerating dermal wound healing and mitigating excessive scar formation using LBL modified nanofibrous mats. *Materials and Design*, **2020**, 185, 108265	8.1	39
96	Flexible Polysaccharide Hydrogel with pH-Regulated Recovery of Self-Healing and Mechanical Properties. *Macromolecular Materials and Engineering*, **2017**, 302, 1700221	3.9	38
95	Compartmentalized multilayer hydrogel formation using a stimulus-responsive self-assembling polysaccharide. *ACS Applied Materials & Interfaces*, **2014**, 6, 2948-57	9.5	37

94	Electro-molecular Assembly: Electrical Writing of Information into an Erasable Polysaccharide Medium. *ACS Applied Materials & Interfaces*, **2016**, 8, 19780-6	9.5	36
93	Near-Infrared Light-Triggered Porous AuPd Alloy Nanoparticles To Produce Mild Localized Heat To Accelerate Bone Regeneration. *Journal of Physical Chemistry Letters*, **2019**, 10, 4185-4191	6.4	36
92	Chitosan-rectorite nanospheres immobilized on polystyrene fibrous mats via alternate electrospinning/electrospraying techniques for copper ions adsorption. *Applied Surface Science*, **2017**, 426, 545-553	6.7	36
91	Chitosan-based drug delivery systems: From synthesis strategy to osteomyelitis treatment - A review. *Carbohydrate Polymers*, **2021**, 251, 117063	10.3	35
90	Graphene oxide-modified electrospun polyvinyl alcohol nanofibrous scaffolds with potential as skin wound dressings. *RSC Advances*, **2017**, 7, 28826-28836	3.7	34
89	Incorporating chitin derived glucosamine sulfate into nanofibers via coaxial electrospinning for cartilage regeneration. *Carbohydrate Polymers*, **2020**, 229, 115544	10.3	34
88	Characterization and cytotoxicity study of nanofibrous mats incorporating rectorite and carbon nanotubes. *RSC Advances*, **2014**, 4, 33355	3.7	33
87	Chitosan/polydopamine layer by layer self-assembled silk fibroin nanofibers for biomedical applications. *Carbohydrate Polymers*, **2021**, 251, 117058	10.3	32
86	Stretchable, tough, self-recoverable, and cytocompatible chitosan/cellulose nanocrystals/polyacrylamide hybrid hydrogels. *Carbohydrate Polymers*, **2019**, 222, 114977	10.3	31
85	Carboxymethyl chitosan/sodium alginate-based micron-fibers fabricated by emulsion electrospinning for periosteal tissue engineering. *Materials and Design*, **2020**, 194, 108849	8.1	31
84	Quaternized Chitosan/Alginate-Fe3O4 Magnetic Nanoparticles Enhance the Chemosensitization of Multidrug-Resistant Gastric Carcinoma by Regulating Cell Autophagy Activity in Mice. *Journal of Biomedical Nanotechnology*, **2016**, 12, 948-61	4	31
83	Remote controlled drug release from multi-functional FeO/GO/Chitosan microspheres fabricated by an electrospray method. *Colloids and Surfaces B: Biointerfaces*, **2017**, 151, 354-362	6	30
82	Antimicrobial application of nanofibrous mats self-assembled with quaternized chitosan and soy protein isolate. *Carbohydrate Polymers*, **2015**, 133, 229-35	10.3	30
81	Alginate/quaternized carboxymethyl chitosan/clay nanocomposite microspheres: preparation and drug-controlled release behavior. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 589-605	3.5	30
80	Incorporation of lysozyme-rectorite composites into chitosan films for antibacterial properties enhancement. *International Journal of Biological Macromolecules*, **2017**, 102, 789-795	7.9	29
79	Construction of highly biocompatible hydroxyethyl cellulose/soy protein isolate composite sponges for tissue engineering. *Chemical Engineering Journal*, **2018**, 341, 402-413	14.7	29
78	Promoting osteogenic differentiation in pre-osteoblasts and reducing tibial fracture healing time using functional nanofibers. *Nano Research*, **2018**, 11, 3658-3677	10	29
77	Adsorption of natural composite sandwich-like nanofibrous mats for heavy metals in aquatic environment. *Journal of Colloid and Interface Science*, **2019**, 539, 533-544	9.3	29

76	Incorporation of rectorite into porous polycaprolactone/TiO2 nanofibrous mats for enhancing photocatalysis properties towards organic dye pollution. *Composites Communications*, **2019**, 15, 58-63	6.7	28
75	Antibacterial and hemostatic performance of chitosan/organic rectorite/alginate composite sponge. *RSC Advances*, **2015**, 5, 50523-50531	3.7	28
74	Electrochemical deposition to construct a nature inspired multilayer chitosan/layered double hydroxides hybrid gel for stimuli responsive release of protein. *Journal of Materials Chemistry B*, **2015**, 3, 7577-7584	7.3	28
73	Reed Leaves Inspired Silica Nanofibrous Aerogels with Parallel-Arranged Vessels for Salt-Resistant Solar Desalination. *ACS Nano*, **2021**,	16.7	28
72	Carboxymethyl chitin/organic rectorite composites based nanofibrous mats and their cell compatibility. *Carbohydrate Polymers*, **2012**, 90, 1069-74	10.3	27
71	Regulating the gaps between folds on the surface of silk fibroin membranes via LBL deposition for improving their biomedical properties. *Colloids and Surfaces B: Biointerfaces*, **2017**, 154, 228-238	6	26
70	Homogeneous synthesis of chitin-based acrylate superabsorbents in NaOH/urea solution. *Carbohydrate Polymers*, **2013**, 94, 261-71	10.3	26
69	Cytotoxicity and antibacterial ability of scaffolds immobilized by polysaccharide/layered silicate composites. *Carbohydrate Polymers*, **2013**, 92, 1880-6	10.3	25
68	Fabrication of rectorite-contained nanoparticles for drug delivery with a green and one-step synthesis method. *International Journal of Pharmaceutics*, **2015**, 493, 426-33	6.5	24
67	Electroassembly of Chitin Nanoparticles to Construct Freestanding Hydrogels and High Porous Aerogels for Wound Healing. *ACS Applied Materials & Interfaces*, **2019**, 11, 34766-34776	9.5	23
66	LBL fabricated biopolymer-layered silicate based nanofibrous mats and their cell compatibility studies. *Carbohydrate Polymers*, **2012**, 90, 957-66	10.3	23
65	Electrical signal guided click coating of chitosan hydrogel on conductive surface. *RSC Advances*, **2014**, 4, 13477	3.7	22
64	Production of thick uniform-coating films containing rectorite on nanofibers through the use of an automated coating machine. *Colloids and Surfaces B: Biointerfaces*, **2017**, 149, 271-279	6	21
63	Novel polymer-layered silicate intercalated composite beads for drug delivery. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 1-14	3.5	21
62	Electrical Writing onto a Dynamically Responsive Polysaccharide Medium: Patterning Structure and Function into a Reconfigurable Medium. *Advanced Functional Materials*, **2018**, 28, 1803139	15.6	20
61	Layer-by-layer immobilized catalase on electrospun nanofibrous mats protects against oxidative stress induced by hydrogen peroxide. *Journal of Biomedical Nanotechnology*, **2014**, 10, 1346-58	4	20
60	Hydroxypropyl chitosan/organic rectorite-based nanofibrous mats with intercalated structure for bacterial inhibition. *Journal of Biomaterials Science, Polymer Edition*, **2013**, 24, 485-96	3.5	20
59	Electrochemically induced reversible formation of carboxymethyl chitin hydrogel and tunable protein release. *New Journal of Chemistry*, **2015**, 39, 1253-1259	3.6	19

58	LBL deposition of chitosan and silk fibroin on nanofibers for improving physical and biological performance of patches. *International Journal of Biological Macromolecules*, **2019**, 130, 348-356	7.9	19
57	A versatile and injectable poly(methyl methacrylate) cement functionalized with quaternized chitosan-glycerophosphate/nanosized hydroxyapatite hydrogels. *Materials Science and Engineering C*, **2018**, 90, 264-272	8.3	18
56	Urea free synthesis of chitin-based acrylate superabsorbent polymers under homogeneous conditions: Effects of the degree of deacetylation and the molecular weight. *Carbohydrate Polymers*, **2017**, 174, 464-473	10.3	18
55	LBL structured chitosan-layered silicate intercalated composites based fibrous mats for protein delivery. *Carbohydrate Polymers*, **2012**, 90, 1656-63	10.3	18
54	Magnesium-containing silk fibroin/polycaprolactone electrospun nanofibrous scaffolds for accelerating bone regeneration. *Arabian Journal of Chemistry*, **2020**, 13, 5526-5538	5.9	17
53	Spherical and rodlike inorganic nanoparticle regulated the orientation of carbon nanotubes in polymer nanofibers. *Chemical Physics Letters*, **2016**, 650, 82-87	2.5	17
52	Tunable thermosensitive behavior of multiple responsive chitin. *Journal of Materials Chemistry B*, **2014**, 2, 3050-3056	7.3	17
51	Controlled release of adenosine from core-shell nanofibers to promote bone regeneration through STAT3 signaling pathway. *Journal of Controlled Release*, **2020**, 319, 234-245	11.7	16
50	Rectorite-intercalated nanoparticles for improving controlled release of doxorubicin hydrochloride. *International Journal of Biological Macromolecules*, **2017**, 101, 815-822	7.9	15
49	Low-temperature plasma treatment-assisted layer-by-layer self-assembly for the modification of nanofibrous mats. *Journal of Colloid and Interface Science*, **2019**, 540, 535-543	9.3	15
48	Protein□polymer co-induced exfoliated layered silicate structure based nanofibrous mats and their cytotoxicity. *RSC Advances*, **2014**, 4, 8867	3.7	15
47	Fabrication of self-assembled chitosan-dispersed LDL nanoparticles for drug delivery with a one-step green method. *International Journal of Pharmaceutics*, **2017**, 517, 25-34	6.5	15
46	Lysozyme/collagen multilayers layer-by-layer deposited nanofibers with enhanced biocompatibility and antibacterial activity. *Materials Science and Engineering C*, **2020**, 112, 110868	8.3	15
45	Chitosan and collagen layer-by-layer assembly modified oriented nanofibers and their biological properties. *Carbohydrate Polymers*, **2021**, 254, 117438	10.3	15
44	Egg source natural proteins LBL modified cellulose nanofibrous mats and their cellular compatibility. *Carbohydrate Polymers*, **2019**, 213, 329-337	10.3	14
43	Beneficial effects of biomimetic nano-sized hydroxyapatite/antibiotic gentamicin enriched chitosan□glycerophosphate hydrogel on the performance of injectable polymethylmethacrylate. *RSC Advances*, **2015**, 5, 91082-91092	3.7	14
42	Construction of porous chitosan□xylan□TiO2 hybrid with highly efficient sorption capability on heavy metals. *Journal of Environmental Chemical Engineering*, **2014**, 2, 1568-1577	6.8	14
41	Nanofibrous mats coated by homocharged biopolymer-layered silicate nanoparticles and their antitumor activity. *Colloids and Surfaces B: Biointerfaces*, **2013**, 105, 137-43	6	14

40	Electrodeposition to construct free-standing chitosan/layered double hydroxides hydro-membrane for electrically triggered protein release. *Colloids and Surfaces B: Biointerfaces*, **2017**, 158, 474-479	6	13
39	Pore volume and distribution regulation of highly nanoporous titanium dioxide nanofibers and their photovoltaic properties. *Journal of Colloid and Interface Science*, **2017**, 490, 74-83	9.3	13
38	Porous structured cellulose microsphere acts as biosensor for glucose detection with "signal-and-color" output. *Carbohydrate Polymers*, **2019**, 205, 295-301	10.3	13
37	Pectin based composite nanofabrics incorporated with layered silicate and their cytotoxicity. *International Journal of Biological Macromolecules*, **2016**, 93, 123-130	7.9	12
36	Nanofibrous mats layer-by-layer assembled by HTCC/layered silicate composites with in vitro antitumor activity against SMMC-7721 cells. *Journal of Biomedical Nanotechnology*, **2014**, 10, 485-99	4	12
35	Multilayer composite beads constructed via layer-by-layer self-assembly for lysozyme controlled release. *RSC Advances*, **2014**, 4, 24369-24376	3.7	11
34	Structure and properties of chitin/alginate blend membranes from NaOH/urea aqueous solution. *International Journal of Biological Macromolecules*, **2012**, 51, 1121-6	7.9	11
33	Electrical Writing Induced Covalent Cross-Linking on Hydrogel for Multidimensional Structural Information Storage. *ACS Applied Materials & Interfaces*, **2021**, 13, 36538-36547	9.5	11
32	Chitosan-TiO microparticles LBL immobilized nanofibrous mats via electrospraying for antibacterial applications. *International Journal of Biological Macromolecules*, **2019**, 135, 233-239	7.9	10
31	Synergistic enhancement of cytotoxicity against cancer cells by incorporation of rectorite into the paclitaxel immobilized cellulose acetate nanofibers. *International Journal of Biological Macromolecules*, **2020**, 152, 672-680	7.9	10
30	Extracellular matrix imitation utilizing nanofibers-embedded biomimetic scaffolds for facilitating cartilage regeneration. *Chemical Engineering Journal*, **2021**, 410, 128379	14.7	10
29	Cytotoxicity of calcium rectorite micro/nanoparticles before and after organic modification. *Chemical Research in Toxicology*, **2014**, 27, 1401-10	4	9
28	Antimicrobial activity and cytotoxicity of nanofibrous mats immobilized with polysaccharides-rectorite based nanogels. *Colloids and Surfaces B: Biointerfaces*, **2015**, 133, 370-7	6	8
27	Cytotoxicity and Antibacterial Activity of Chitosan-organic Rectorite Intercalated Nanofibrous Mats. *Current Nanoscience*, **2013**, 9, 8-13	1.4	7
26	TiO/rectorite-trapped cellulose composite nanofibrous mats for multiple heavy metal adsorption. *International Journal of Biological Macromolecules*, **2021**, 183, 245-253	7.9	7
25	A simple mechanical agitation method to fabricate chitin nanogels directly from chitin solution and subsequent surface modification. *Journal of Materials Chemistry B*, **2019**, 7, 2226-2232	7.3	7
24	Electrospun Nanofibers for Food and Food Packaging Technology **2019**, 455-516		6
23	Janus Fibrous Mats Based Suspended Type Evaporator for Salt Resistant Solar Desalination and Salt Recovery.. *Small*, **2022**, e2107156	11	6

22	Presence of nano-sized chitosan-layered silicate composites protects against toxicity induced by lead ions. *Carbohydrate Polymers*, **2017**, 158, 1-10	10.3	5
21	Application of synthetic and natural polymers in surgical mesh for pelvic floor reconstruction. *Materials and Design*, **2021**, 209, 109984	8.1	5
20	Natural polysaccharides based self-assembled nanoparticles for biomedical applications - A review. *International Journal of Biological Macromolecules*, **2021**, 192, 1240-1255	7.9	4
19	Ordered hollow nanofiber aerogel with revivability for efficient oil absorption. *Journal of Cleaner Production*, **2021**, 290, 125789	10.3	4
18	Biomimetic Silk Fibroin Hydrogels Strengthened by Silica Nanoparticles Distributed Nanofibers Facilitate Bone Repair. *Advanced Healthcare Materials*, **2021**, 10, e2001646	10.1	4
17	Electrical Writing to Three-Dimensional Pattern Dynamic Polysaccharide Hydrogel for Programmable Shape Deformation. *Macromolecular Rapid Communications*, **2021**, 42, e2000342	4.8	4
16	Dual-drug release from chitin-based core-shell microspheres fabricated by coaxial electrospray. *Advances in Polymer Technology*, **2018**, 37, 1366-1373	1.9	3
15	Antifatigue Hydration-Induced Polysaccharide Hydrogel Actuators Inspired by Crab Joint Wrinkles.. *ACS Applied Materials & Interfaces*, **2022**,	9.5	2
14	Ion-responsive chitosan hydrogel actuator inspired by carrotwood seed pod. *Carbohydrate Polymers* , **2022**, 276, 118759	10.3	2
13	Glucosamine/collagen assembled biomimetic nanofibrous mats via LBL deposition for cartilage engineering. *Applied Surface Science*, **2021**, 540, 148335	6.7	2
12	Enhanced cellular compatibility of chitosan/collagen multilayers LBL modified nanofibrous mats. *Materials and Design*, **2021**, 205, 109717	8.1	2
11	Hollow chitosan hydrogel tube with controllable wrinkled pattern via film-to-tube fabrication.. *Carbohydrate Polymers*, **2022**, 287, 119333	10.3	2
10	Carboxymethyl chitosan assembled piezoelectric biosensor for rapid and label-free quantification of immunoglobulin Y.. *Carbohydrate Polymers*, **2022**, 290, 119482	10.3	2
9	Nanomaterials From Mixed-Layer Clay Minerals: Structure, Properties, and Functional Applications **2019**, 365-413		1
8	Chitosan-based recyclable composite aerogels for the photocatalytic degradation of rhodamine B. *Carbohydrate Polymers*, **2021**, 273, 118559	10.3	1
7	One-step electrodeposition of Janus chitosan coating for metallic implants with anti-corrosion properties. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 641, 128498	5.1	0
6	Incorporation of Layered Rectorite into Biocompatible Core-Sheath Nanofibrous Mats for Sustained Drug Delivery. *ACS Biomaterials Science and Engineering*, **2021**, 7, 4509-4520	5.5	0
5	Highly sensitive formaldehyde sensors based on CuO/ZnO composite nanofibrous mats using porous cellulose acetate fibers as templates.. *International Journal of Biological Macromolecules*, **2022**, 206, 653-660	7.9	0

4	Chitosan/collagen layer-by-layer deposition for improving the esophageal regeneration ability of nanofibrous mats.. *Carbohydrate Polymers*, **2022**, 286, 119269	10.3	0
3	Electrodeposition induced covalent cross-linking of chitosan for electrofabrication of hydrogel contact lenses. *Carbohydrate Polymers*, **2022**, 292, 119678	10.3	0
2	Cytotoxicity and Antibacterial Activity of Chitosan-organic Rectorite Intercalated Nanofibrous Mats. *Current Nanoscience*, **2013**, 9, 8-13	1.4	
1	MOLECULAR IMAGING OF ATHEROSCLEROTIC PLAQUE VIA PROFILIN-1 ANTIBODY LABELLED QUATERNISED CHITOSAN ENCAPSULATED MAGNETIC NANOPARTICLES. *Heart*, **2012**, 98, E116.1-E116	5.1	