

Hongbing Deng

List of Publications by Year in descending order

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149
papers

7,548
citations

36203

51
h-index

66788

78
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152
all docs

152
docs citations

152
times ranked

8690
citing authors

#	ARTICLE	IF	CITATIONS
1	Emerging chitin and chitosan nanofibrous materials for biomedical applications. <i>Nanoscale</i> , 2014, 6, 9477-9493.	2.8	305
2	Cellular Structured CNTs@SiO ₂ Nanofibrous Aerogels with Vertically Aligned Vessels for Salt-Resistant Solar Desalination. <i>Advanced Materials</i> , 2020, 32, e1908269.	11.1	257
3	Applications of chitin and chitosan nanofibers in bone regenerative engineering. <i>Carbohydrate Polymers</i> , 2020, 230, 115658.	5.1	213
4	Controlled Co-delivery of Growth Factors through Layer-by-Layer Assembly of Core-Shell Nanofibers for Improving Bone Regeneration. <i>ACS Nano</i> , 2019, 13, 6372-6382.	7.3	188
5	Chitosan/silk fibroin modified nanofibrous patches with mesenchymal stem cells prevent heart remodeling post-myocardial infarction in rats. <i>Acta Biomaterialia</i> , 2018, 80, 154-168.	4.1	167
6	Highly cost-effective and high-strength hydrogels as dye adsorbents from natural polymers: chitosan and cellulose. <i>Polymer Chemistry</i> , 2017, 8, 2913-2921.	1.9	165
7	Biomimetic LBL structured nanofibrous matrices assembled by chitosan/collagen for promoting wound healing. <i>Biomaterials</i> , 2015, 53, 58-75.	5.7	157
8	Chitin derived nitrogen-doped porous carbons with ultrahigh specific surface area and tailored hierarchical porosity for high performance supercapacitors. <i>Journal of Bioresources and Bioproducts</i> , 2021, 6, 142-151.	11.8	154
9	A dynamic and self-crosslinked polysaccharide hydrogel with autonomous self-healing ability. <i>Soft Matter</i> , 2015, 11, 3971-3976.	1.2	147
10	Advanced Silk Fibroin Biomaterials for Cartilage Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2018, 4, 2704-2715.	2.6	123
11	Reed Leaves Inspired Silica Nanofibrous Aerogels with Parallel-Arranged Vessels for Salt-Resistant Solar Desalination. <i>ACS Nano</i> , 2021, 15, 12256-12266.	7.3	121
12	Nanogels fabricated by lysozyme and sodium carboxymethyl cellulose for 5-fluorouracil controlled release. <i>International Journal of Pharmaceutics</i> , 2013, 441, 721-727.	2.6	113
13	Layer-by-layer immobilization of lysozyme-chitosan-organic rectorite composites on electrospun nanofibrous mats for pork preservation. <i>Food Research International</i> , 2012, 48, 784-791.	2.9	105
14	Layer-by-layer structured polysaccharides film-coated cellulose nanofibrous mats for cell culture. <i>Carbohydrate Polymers</i> , 2010, 80, 474-479.	5.1	102
15	Quaternized chitosan-layered silicate intercalated composites based nanofibrous mats and their antibacterial activity. <i>Carbohydrate Polymers</i> , 2012, 89, 307-313.	5.1	102
16	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. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 123, 657-663.	2.5	102
17	Ultrasensitive SERS Substrate Integrated with Uniform Subnanometer Scale "Hot Spots" Created by a Graphene Spacer for the Detection of Mercury Ions. <i>Small</i> , 2017, 13, 1603347.	5.2	101
18	Antibacterial multilayer films fabricated by layer-by-layer immobilizing lysozyme and gold nanoparticles on nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 116, 432-438.	2.5	99

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19	Recyclable <i>Saccharomyces cerevisiae</i> loaded nanofibrous mats with sandwich structure constructing via bio-electrospraying for heavy metal removal. <i>Journal of Hazardous Materials</i> , 2017, 324, 365-372.	6.5	95
20	Enhanced bacterial inhibition activity of layer-by-layer structured polysaccharide film-coated cellulose nanofibrous mats via addition of layered silicate. <i>Carbohydrate Polymers</i> , 2011, 83, 239-245.	5.1	94
21	Chitosan-based drug delivery systems: From synthesis strategy to osteomyelitis treatment – A review. <i>Carbohydrate Polymers</i> , 2021, 251, 117063.	5.1	90
22	Antibacterial activity of nanofibrous mats coated with lysozyme-layered silicate composites via electrospraying. <i>Carbohydrate Polymers</i> , 2014, 99, 218-225.	5.1	86
23	Pectin/lysozyme bilayers layer-by-layer deposited cellulose nanofibrous mats for antibacterial application. <i>Carbohydrate Polymers</i> , 2015, 117, 687-693.	5.1	86
24	Electrodeposition of Ag nanoparticles on conductive polyaniline/cellulose aerogels with increased synergistic effect for energy storage. <i>Carbohydrate Polymers</i> , 2017, 156, 19-25.	5.1	86
25	Iron(II) cross-linked chitin-based gel beads: Preparation, magnetic property and adsorption of methyl orange. <i>Carbohydrate Polymers</i> , 2010, 82, 706-713.	5.1	83
26	Functional Nanoparticles in Targeting Glioma Diagnosis and Therapies. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 415-432.	0.9	80
27	Plasma treated polyethylene terephthalate/polypropylene films assembled with chitosan and various preservatives for antimicrobial food packaging. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 60-66.	2.5	80
28	KGM and PMAA based pH-sensitive interpenetrating polymer network hydrogel for controlled drug release. <i>Carbohydrate Polymers</i> , 2013, 97, 565-570.	5.1	76
29	Near-Infrared Light-Triggered Porous AuPd Alloy Nanoparticles To Produce Mild Localized Heat To Accelerate Bone Regeneration. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 4185-4191.	2.1	76
30	Enhanced physical and biological properties of silk fibroin nanofibers by layer-by-layer deposition of chitosan and rectorite. <i>Journal of Colloid and Interface Science</i> , 2018, 523, 208-216.	5.0	75
31	Antibacterial hydrogel coating by electrophoretic co-deposition of chitosan/alkynyl chitosan. <i>Carbohydrate Polymers</i> , 2013, 98, 1547-1552.	5.1	74
32	Fabrication of polymer/layered silicate intercalated nanofibrous mats and their bacterial inhibition activity. <i>Carbohydrate Polymers</i> , 2011, 83, 973-978.	5.1	70
33	Poly(vinyl alcohol)/sodium alginate/layered silicate based nanofibrous mats for bacterial inhibition. <i>Carbohydrate Polymers</i> , 2013, 92, 2232-2238.	5.1	70
34	Construction of horizontal stratum landform-like composite foams and their methyl orange adsorption capacity. <i>Applied Surface Science</i> , 2017, 397, 133-143.	3.1	70
35	Carboxymethyl chitosan/sodium alginate-based micron-fibers fabricated by emulsion electrospinning for periosteal tissue engineering. <i>Materials and Design</i> , 2020, 194, 108849.	3.3	70
36	Nanofibrous mats layer-by-layer assembled via electrospun cellulose acetate and electrosprayed chitosan for cell culture. <i>European Polymer Journal</i> , 2012, 48, 1846-1853.	2.6	69

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37	Electrochemical writing on edible polysaccharide films for intelligent food packaging. <i>Carbohydrate Polymers</i> , 2018, 186, 236-242.	5.1	69
38	Layer-by-layer immobilization of quaternized carboxymethyl chitosan/organic rectorite and alginate onto nanofibrous mats and their antibacterial application. <i>Carbohydrate Polymers</i> , 2015, 121, 428-435.	5.1	68
39	Chitosan/tannic acid bilayers layer-by-layer deposited cellulose nanofibrous mats for antibacterial application. <i>International Journal of Biological Macromolecules</i> , 2019, 139, 191-198.	3.6	68
40	Accelerating dermal wound healing and mitigating excessive scar formation using LBL modified nanofibrous mats. <i>Materials and Design</i> , 2020, 185, 108265.	3.3	67
41	Coding for hydrogel organization through signal guided self-assembly. <i>Soft Matter</i> , 2014, 10, 465-469.	1.2	66
42	Fabrication of cellulose nanofibers from waste brown algae and their potential application as milk thickeners. <i>Food Hydrocolloids</i> , 2018, 79, 473-481.	5.6	66
43	Layer-by-layer immobilization of amphoteric carboxymethyl chitosan onto biocompatible silk fibroin nanofibrous mats. <i>Carbohydrate Polymers</i> , 2019, 210, 9-16.	5.1	66
44	Chitosan/polydopamine layer by layer self-assembled silk fibroin nanofibers for biomedical applications. <i>Carbohydrate Polymers</i> , 2021, 251, 117058.	5.1	65
45	Incorporating platelet-rich plasma into coaxial electrospun nanofibers for bone tissue engineering. <i>International Journal of Pharmaceutics</i> , 2018, 547, 656-666.	2.6	64
46	Acrylic acid-grafted pre-plasma nanofibers for efficient removal of oil pollution from aquatic environment. <i>Journal of Hazardous Materials</i> , 2019, 371, 165-174.	6.5	64
47	Chitosan-rectorite nanospheres embedded aminated polyacrylonitrile nanofibers via shoulder-to-shoulder electrospinning and electro spraying for enhanced heavy metal removal. <i>Applied Surface Science</i> , 2018, 437, 294-303.	3.1	63
48	Accelerated skin wound healing by soy protein isolate- α -modified hydroxypropyl chitosan composite films. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1293-1302.	3.6	61
49	Flexible Polysaccharide Hydrogel with pH-Regulated Recovery of Self-Healing and Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2017, 302, 1700221.	1.7	59
50	Antibacterial multilayer films fabricated by LBL immobilizing lysozyme and HTCC on nanofibrous mats. <i>International Journal of Biological Macromolecules</i> , 2013, 53, 26-31.	3.6	57
51	Construction of lysozyme exfoliated rectorite-based electrospun nanofibrous membranes for bacterial inhibition. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	1.3	56
52	Graphene oxide-modified electrospun polyvinyl alcohol nanofibrous scaffolds with potential as skin wound dressings. <i>RSC Advances</i> , 2017, 7, 28826-28836.	1.7	54
53	Incorporating chitin derived glucosamine sulfate into nanofibers via coaxial electrospinning for cartilage regeneration. <i>Carbohydrate Polymers</i> , 2020, 229, 115544.	5.1	53
54	Silver ions/ovalbumin films layer-by-layer self-assembled polyacrylonitrile nanofibrous mats and their antibacterial activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 108, 322-328.	2.5	51

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55	Novel Layer-by-Layer Structured Nanofibrous Mats Coated by Protein Films for Dermal Regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 803-810.	0.5	51
56	Chitin-based fast responsive pH sensitive microspheres for controlled drug release. <i>Carbohydrate Polymers</i> , 2014, 102, 413-418.	5.1	51
57	Controllable immobilization of naringinase on electrospun cellulose acetate nanofibers and their application to juice debittering. <i>International Journal of Biological Macromolecules</i> , 2017, 98, 630-636.	3.6	50
58	Electro-molecular Assembly: Electrical Writing of Information into an Erasable Polysaccharide Medium. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 19780-19786.	4.0	49
59	Janus Fibrous Mats Based Suspended Type Evaporator for Salt Resistant Solar Desalination and Salt Recovery. <i>Small</i> , 2022, 18, e2107156.	5.2	48
60	Compartmentalized Multilayer Hydrogel Formation Using a Stimulus-Responsive Self-Assembling Polysaccharide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 2948-2957.	4.0	47
61	Incorporation of rectorite into porous polycaprolactone/TiO ₂ nanofibrous mats for enhancing photocatalysis properties towards organic dye pollution. <i>Composites Communications</i> , 2019, 15, 58-63.	3.3	47
62	Electrochemical deposition to construct a nature inspired multilayer chitosan/layered double hydroxides hybrid gel for stimuli responsive release of protein. <i>Journal of Materials Chemistry B</i> , 2015, 3, 7577-7584.	2.9	46
63	Electroassembly of Chitin Nanoparticles to Construct Freestanding Hydrogels and High Porous Aerogels for Wound Healing. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 34766-34776.	4.0	46
64	Quaternized chitosan-organic rectorite intercalated composites based nanoparticles for protein controlled release. <i>International Journal of Pharmaceutics</i> , 2012, 438, 258-265.	2.6	44
65	Stretchable, tough, self-recoverable, and cytocompatible chitosan/cellulose nanocrystals/polyacrylamide hybrid hydrogels. <i>Carbohydrate Polymers</i> , 2019, 222, 114977.	5.1	44
66	Antimicrobial application of nanofibrous mats self-assembled with chitosan and epigallocatechin gallate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 643-652.	2.5	42
67	Chitosan-rectorite nanospheres immobilized on polystyrene fibrous mats via alternate electrospinning/electrospraying techniques for copper ions adsorption. <i>Applied Surface Science</i> , 2017, 426, 545-553.	3.1	42
68	Incorporation of lysozyme-rectorite composites into chitosan films for antibacterial properties enhancement. <i>International Journal of Biological Macromolecules</i> , 2017, 102, 789-795.	3.6	41
69	Biomimetic Silk Fibroin Hydrogels Strengthened by Silica Nanoparticles Distributed Nanofibers Facilitate Bone Repair. <i>Advanced Healthcare Materials</i> , 2021, 10, e2001646.	3.9	41
70	Quaternized Chitosan/Alginate-Fe ³⁺ /O ²⁻ ; Magnetic Nanoparticles Enhance the Chemosensitization of Multidrug-Resistant Gastric Carcinoma by Regulating Cell Autophagy Activity in Mice. <i>Journal of Biomedical Nanotechnology</i> , 2016, 12, 948-961.	0.5	40
71	Remote controlled drug release from multi-functional Fe ₃ O ₄ /GO/Chitosan microspheres fabricated by an electro spray method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 151, 354-362.	2.5	40
72	Adsorption of natural composite sandwich-like nanofibrous mats for heavy metals in aquatic environment. <i>Journal of Colloid and Interface Science</i> , 2019, 539, 533-544.	5.0	40

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73	Promoting osteogenic differentiation in pre-osteoblasts and reducing tibial fracture healing time using functional nanofibers. <i>Nano Research</i> , 2018, 11, 3658-3677.	5.8	38
74	Antimicrobial application of nanofibrous mats self-assembled with quaternized chitosan and soy protein isolate. <i>Carbohydrate Polymers</i> , 2015, 133, 229-235.	5.1	36
75	Alginate/quaternized carboxymethyl chitosan/clay nanocomposite microspheres: preparation and drug-controlled release behavior. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 589-605.	1.9	35
76	Construction of highly biocompatible hydroxyethyl cellulose/soy protein isolate composite sponges for tissue engineering. <i>Chemical Engineering Journal</i> , 2018, 341, 402-413.	6.6	35
77	Controlled release of adenosine from core-shell nanofibers to promote bone regeneration through STAT3 signaling pathway. <i>Journal of Controlled Release</i> , 2020, 319, 234-245.	4.8	35
78	Chitosan and collagen layer-by-layer assembly modified oriented nanofibers and their biological properties. <i>Carbohydrate Polymers</i> , 2021, 254, 117438.	5.1	35
79	Antibacterial and hemostatic performance of chitosan-organic rectorite/alginate composite sponge. <i>RSC Advances</i> , 2015, 5, 50523-50531.	1.7	34
80	Ion-responsive chitosan hydrogel actuator inspired by carrotwood seed pod. <i>Carbohydrate Polymers</i> , 2022, 276, 118759.	5.1	34
81	Characterization and cytotoxicity study of nanofibrous mats incorporating rectorite and carbon nanotubes. <i>RSC Advances</i> , 2014, 4, 33355.	1.7	33
82	Extracellular matrix imitation utilizing nanofibers-embedded biomimetic scaffolds for facilitating cartilage regeneration. <i>Chemical Engineering Journal</i> , 2021, 410, 128379.	6.6	33
83	Urea free synthesis of chitin-based acrylate superabsorbent polymers under homogeneous conditions: Effects of the degree of deacetylation and the molecular weight. <i>Carbohydrate Polymers</i> , 2017, 174, 464-473.	5.1	31
84	Natural polysaccharides based self-assembled nanoparticles for biomedical applications – A review. <i>International Journal of Biological Macromolecules</i> , 2021, 192, 1240-1255.	3.6	31
85	Regulating the gaps between folds on the surface of silk fibroin membranes via LBL deposition for improving their biomedical properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 154, 228-238.	2.5	30
86	A versatile and injectable poly(methyl methacrylate) cement functionalized with quaternized chitosan-glycerophosphate/nanosized hydroxyapatite hydrogels. <i>Materials Science and Engineering C</i> , 2018, 90, 264-272.	3.8	30
87	Magnesium-containing silk fibroin/polycaprolactone electrospun nanofibrous scaffolds for accelerating bone regeneration. <i>Arabian Journal of Chemistry</i> , 2020, 13, 5526-5538.	2.3	30
88	Carboxymethyl chitin/organic rectorite composites based nanofibrous mats and their cell compatibility. <i>Carbohydrate Polymers</i> , 2012, 90, 1069-1074.	5.1	29
89	Homogeneous synthesis of chitin-based acrylate superabsorbents in NaOH/urea solution. <i>Carbohydrate Polymers</i> , 2013, 94, 261-271.	5.1	29
90	Cytotoxicity and antibacterial ability of scaffolds immobilized by polysaccharide/layered silicate composites. <i>Carbohydrate Polymers</i> , 2013, 92, 1880-1886.	5.1	28

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91	Electrical Writing onto a Dynamically Responsive Polysaccharide Medium: Patterning Structure and Function into a Reconfigurable Medium. <i>Advanced Functional Materials</i> , 2018, 28, 1803139.	7.8	27
92	Electrical signal guided click coating of chitosan hydrogel on conductive surface. <i>RSC Advances</i> , 2014, 4, 13477.	1.7	26
93	Fabrication of rectorite-contained nanoparticles for drug delivery with a green and one-step synthesis method. <i>International Journal of Pharmaceutics</i> , 2015, 493, 426-433.	2.6	26
94	LBL fabricated biopolymer-layered silicate based nanofibrous mats and their cell compatibility studies. <i>Carbohydrate Polymers</i> , 2012, 90, 957-966.	5.1	24
95	Lysozyme/collagen multilayers layer-by-layer deposited nanofibers with enhanced biocompatibility and antibacterial activity. <i>Materials Science and Engineering C</i> , 2020, 112, 110868.	3.8	24
96	Chitosan-based recyclable composite aerogels for the photocatalytic degradation of rhodamine B. <i>Carbohydrate Polymers</i> , 2021, 273, 118559.	5.1	24
97	Novel Polymer-Layered Silicate Intercalated Composite Beads for Drug Delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 1-14.	1.9	23
98	Electrochemically induced reversible formation of carboxymethyl chitin hydrogel and tunable protein release. <i>New Journal of Chemistry</i> , 2015, 39, 1253-1259.	1.4	23
99	LBL deposition of chitosan and silk fibroin on nanofibers for improving physical and biological performance of patches. <i>International Journal of Biological Macromolecules</i> , 2019, 130, 348-356.	3.6	23
100	TiO ₂ /rectorite-trapped cellulose composite nanofibrous mats for multiple heavy metal adsorption. <i>International Journal of Biological Macromolecules</i> , 2021, 183, 245-253.	3.6	23
101	Production of thick uniform-coating films containing rectorite on nanofibers through the use of an automated coating machine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 149, 271-279.	2.5	22
102	Low-temperature plasma treatment-assisted layer-by-layer self-assembly for the modification of nanofibrous mats. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 535-543.	5.0	22
103	LBL structured chitosan-layered silicate intercalated composites based fibrous mats for protein delivery. <i>Carbohydrate Polymers</i> , 2012, 90, 1656-1663.	5.1	21
104	Hydroxypropyl chitosan/organic rectorite-based nanofibrous mats with intercalated structure for bacterial inhibition. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013, 24, 485-496.	1.9	21
105	Electrodeposition to construct free-standing chitosan/layered double hydroxides hydro-membrane for electrically triggered protein release. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 474-479.	2.5	21
106	Electrical Writing Induced Covalent Cross-Linking on Hydrogel for Multidimensional Structural Information Storage. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 36538-36547.	4.0	21
107	Tunable thermosensitive behavior of multiple responsive chitin. <i>Journal of Materials Chemistry B</i> , 2014, 2, 3050.	2.9	20
108	Layer-by-Layer Immobilized Catalase on Electrospun Nanofibrous Mats Protects Against Oxidative Stress Induced by Hydrogen Peroxide. <i>Journal of Biomedical Nanotechnology</i> , 2014, 10, 1346-1358.	0.5	20

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109	Beneficial effects of biomimetic nano-sized hydroxyapatite/antibiotic gentamicin enriched chitosan-glycerophosphate hydrogel on the performance of injectable polymethylmethacrylate. <i>RSC Advances</i> , 2015, 5, 91082-91092.	1.7	20
110	Fabrication of self-assembled chitosan-dispersed LDL nanoparticles for drug delivery with a one-step green method. <i>International Journal of Pharmaceutics</i> , 2017, 517, 25-34.	2.6	20
111	Spherical and rodlike inorganic nanoparticle regulated the orientation of carbon nanotubes in polymer nanofibers. <i>Chemical Physics Letters</i> , 2016, 650, 82-87.	1.2	19
112	Pore volume and distribution regulation of highly nanoporous titanium dioxide nanofibers and their photovoltaic properties. <i>Journal of Colloid and Interface Science</i> , 2017, 490, 74-83.	5.0	19
113	Porous structured cellulose microsphere acts as biosensor for glucose detection with signal-and-color-output. <i>Carbohydrate Polymers</i> , 2019, 205, 295-301.	5.1	19
114	Synergistic enhancement of cytotoxicity against cancer cells by incorporation of rectorite into the paclitaxel immobilized cellulose acetate nanofibers. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 672-680.	3.6	19
115	Chitosan-TiO ₂ microparticles LBL immobilized nanofibrous mats via electrospraying for antibacterial applications. <i>International Journal of Biological Macromolecules</i> , 2019, 135, 233-239.	3.6	18
116	Construction of porous chitosan-xylan-TiO ₂ hybrid with highly efficient sorption capability on heavy metals. <i>Journal of Environmental Chemical Engineering</i> , 2014, 2, 1568-1577.	3.3	16
117	Rectorite-intercalated nanoparticles for improving controlled release of doxorubicin hydrochloride. <i>International Journal of Biological Macromolecules</i> , 2017, 101, 815-822.	3.6	16
118	Electrospun Nanofibers for Food and Food Packaging Technology. , 2019, , 455-516.		16
119	Egg source natural proteins LBL modified cellulose nanofibrous mats and their cellular compatibility. <i>Carbohydrate Polymers</i> , 2019, 213, 329-337.	5.1	16
120	Application of synthetic and natural polymers in surgical mesh for pelvic floor reconstruction. <i>Materials and Design</i> , 2021, 209, 109984.	3.3	16
121	Carboxymethyl chitosan assembled piezoelectric biosensor for rapid and label-free quantification of immunoglobulin Y. <i>Carbohydrate Polymers</i> , 2022, 290, 119482.	5.1	16
122	Electrodeposition induced covalent cross-linking of chitosan for electrofabrication of hydrogel contact lenses. <i>Carbohydrate Polymers</i> , 2022, 292, 119678.	5.1	16
123	Protein-polymer co-induced exfoliated layered silicate structure based nanofibrous mats and their cytotoxicity. <i>RSC Advances</i> , 2014, 4, 8867.	1.7	15
124	Ordered hollow nanofiber aerogel with revivability for efficient oil absorption. <i>Journal of Cleaner Production</i> , 2021, 290, 125789.	4.6	15
125	Nanofibrous mats coated by homocharged biopolymer-layered silicate nanoparticles and their antitumor activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 137-143.	2.5	14
126	Cytotoxicity of Calcium Rectorite Micro/Nanoparticles before and after Organic Modification. <i>Chemical Research in Toxicology</i> , 2014, 27, 1401-1410.	1.7	14

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127	Pectin based composite nanofabrics incorporated with layered silicate and their cytotoxicity. International Journal of Biological Macromolecules, 2016, 93, 123-130.	3.6	14
128	Structure and properties of chitin/alginate blend membranes from NaOH/urea aqueous solution. International Journal of Biological Macromolecules, 2012, 51, 1121-1126.	3.6	13
129	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, 485-499.	0.5	13
130	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.	3.6	12
131	Multilayer composite beads constructed via layer-by-layer self-assembly for lysozyme controlled release. RSC Advances, 2014, 4, 24369-24376.	1.7	11
132	Antifatigue Hydration-Induced Polysaccharide Hydrogel Actuators Inspired by Crab Joint Wrinkles. ACS Applied Materials & Interfaces, 2022, 14, 6251-6260.	4.0	11
133	Antimicrobial activity and cytotoxicity of nanofibrous mats immobilized with polysaccharides-rectorite based nanogels. Colloids and Surfaces B: Biointerfaces, 2015, 133, 370-377.	2.5	10
134	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.	2.3	10
135	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.	2.9	9
136	Tubular chitosan hydrogels with a tuneable lamellar structure programmed by electrical signals. Chemical Communications, 2022, 58, 5781-5784.	2.2	9
137	Cytotoxicity and Antibacterial Activity of Chitosan-organic Rectorite Intercalated Nanofibrous Mats. Current Nanoscience, 2013, 9, 8-13.	0.7	7
138	Electrical Writing to Three-Dimensional Pattern Dynamic Polysaccharide Hydrogel for Programmable Shape Deformation. Macromolecular Rapid Communications, 2021, 42, e2000342.	2.0	7
139	Enhanced cellular compatibility of chitosan/collagen multilayers LBL modified nanofibrous mats. Materials and Design, 2021, 205, 109717.	3.3	7
140	Hollow chitosan hydrogel tube with controllable wrinkled pattern via film-to-tube fabrication. Carbohydrate Polymers, 2022, 287, 119333.	5.1	6
141	Presence of nano-sized chitosan-layered silicate composites protects against toxicity induced by lead ions. Carbohydrate Polymers, 2017, 158, 1-10.	5.1	5
142	Dual-drug release from chitin-based core-shell microspheres fabricated by coaxial electrospray. Advances in Polymer Technology, 2018, 37, 1366-1373.	0.8	5
143	Incorporation of Layered Rectorite into Biocompatible Core-Shell Nanofibrous Mats for Sustained Drug Delivery. ACS Biomaterials Science and Engineering, 2021, 7, 4509-4520.	2.6	5
144	Chitosan/collagen layer-by-layer deposition for improving the esophageal regeneration ability of nanofibrous mats. Carbohydrate Polymers, 2022, 286, 119269.	5.1	5

#	ARTICLE	IF	CITATIONS
145	Glucosamine/collagen assembled biomimetic nanofibrous mats via LBL deposition for cartilage engineering. <i>Applied Surface Science</i> , 2021, 540, 148335.	3.1	3
146	Nanomaterials From Mixed-Layer Clay Minerals: Structure, Properties, and Functional Applications. , 2019, , 365-413.		2
147	Electrical signals regulate the release of insulin from electrodeposited chitosan composite hydrogel: An in vitro and in vivo study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2022, 110, 2464-2471.	1.6	2
148	MOLECULAR IMAGING OF ATHEROSCLEROTIC PLAQUE VIA PROFILIN-1 ANTIBODY LABELLED QUATERNISED CHITOSAN ENCAPSULATED MAGNETIC NANOPARTICLES. <i>Heart</i> , 2012, 98, E116.1-E116.	1.2	0
149	Cytotoxicity and Antibacterial Activity of Chitosan-organic Rectorite Intercalated Nanofibrous Mats. <i>Current Nanoscience</i> , 2013, 9, 8-13.	0.7	0