

Hongbing Deng

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Antifatigue Hydration-Induced Polysaccharide Hydrogel Actuators Inspired by Crab Joint Wrinkles.. <i>ACS Applied Materials & Interfaces</i> , 2022 ,	9.5	2
146	One-step electrodeposition of Janus chitosan coating for metallic implants with anti-corrosion properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022 , 641, 128498	5.1	0
145	Janus Fibrous Mats Based Suspended Type Evaporator for Salt Resistant Solar Desalination and Salt Recovery.. <i>Small</i> , 2022 , e2107156	11	6
144	Ion-responsive chitosan hydrogel actuator inspired by carrotwood seed pod. <i>Carbohydrate Polymers</i> , 2022 , 276, 118759	10.3	2
143	Highly sensitive formaldehyde sensors based on CuO/ZnO composite nanofibrous mats using porous cellulose acetate fibers as templates.. <i>International Journal of Biological Macromolecules</i> , 2022 , 206, 653-660	7.9	0
142	Chitosan/collagen layer-by-layer deposition for improving the esophageal regeneration ability of nanofibrous mats.. <i>Carbohydrate Polymers</i> , 2022 , 286, 119269	10.3	0
141	Hollow chitosan hydrogel tube with controllable wrinkled pattern via film-to-tube fabrication.. <i>Carbohydrate Polymers</i> , 2022 , 287, 119333	10.3	2
140	Carboxymethyl chitosan assembled piezoelectric biosensor for rapid and label-free quantification of immunoglobulin Y.. <i>Carbohydrate Polymers</i> , 2022 , 290, 119482	10.3	2
139	Electrodeposition induced covalent cross-linking of chitosan for electrofabrication of hydrogel contact lenses. <i>Carbohydrate Polymers</i> , 2022 , 292, 119678	10.3	0
138	Natural polysaccharides based self-assembled nanoparticles for biomedical applications - A review. <i>International Journal of Biological Macromolecules</i> , 2021 , 192, 1240-1255	7.9	4
137	Ordered hollow nanofiber aerogel with revivability for efficient oil absorption. <i>Journal of Cleaner Production</i> , 2021 , 290, 125789	10.3	4
136	Biomimetic Silk Fibroin Hydrogels Strengthened by Silica Nanoparticles Distributed Nanofibers Facilitate Bone Repair. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2001646	10.1	4
135	Extracellular matrix imitation utilizing nanofibers-embedded biomimetic scaffolds for facilitating cartilage regeneration. <i>Chemical Engineering Journal</i> , 2021 , 410, 128379	14.7	10
134	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	18.7	47
133	Reed Leaves Inspired Silica Nanofibrous Aerogels with Parallel-Arranged Vessels for Salt-Resistant Solar Desalination. <i>ACS Nano</i> , 2021 ,	16.7	28
132	Electrical Writing Induced Covalent Cross-Linking on Hydrogel for Multidimensional Structural Information Storage. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 36538-36547	9.5	11
131	TiO ₂ /rectorite-trapped cellulose composite nanofibrous mats for multiple heavy metal adsorption. <i>International Journal of Biological Macromolecules</i> , 2021 , 183, 245-253	7.9	7

130	Chitosan-based drug delivery systems: From synthesis strategy to osteomyelitis treatment - A review. <i>Carbohydrate Polymers</i> , 2021 , 251, 117063	10.3	35
129	Chitosan/polydopamine layer by layer self-assembled silk fibroin nanofibers for biomedical applications. <i>Carbohydrate Polymers</i> , 2021 , 251, 117058	10.3	32
128	Chitosan and collagen layer-by-layer assembly modified oriented nanofibers and their biological properties. <i>Carbohydrate Polymers</i> , 2021 , 254, 117438	10.3	15
127	Glucosamine/collagen assembled biomimetic nanofibrous mats via LBL deposition for cartilage engineering. <i>Applied Surface Science</i> , 2021 , 540, 148335	6.7	2
126	Electrical Writing to Three-Dimensional Pattern Dynamic Polysaccharide Hydrogel for Programmable Shape Deformation. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2000342	4.8	4
125	Enhanced cellular compatibility of chitosan/collagen multilayers LBL modified nanofibrous mats. <i>Materials and Design</i> , 2021 , 205, 109717	8.1	2
124	Incorporation of Layered Rectorite into Biocompatible Core-Sheath Nanofibrous Mats for Sustained Drug Delivery. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 4509-4520	5.5	0
123	Application of synthetic and natural polymers in surgical mesh for pelvic floor reconstruction. <i>Materials and Design</i> , 2021 , 209, 109984	8.1	5
122	Chitosan-based recyclable composite aerogels for the photocatalytic degradation of rhodamine B. <i>Carbohydrate Polymers</i> , 2021 , 273, 118559	10.3	1
121	Carboxymethyl chitosan/sodium alginate-based micron-fibers fabricated by emulsion electrospinning for periosteal tissue engineering. <i>Materials and Design</i> , 2020 , 194, 108849	8.1	31
120	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	7.9	10
119	Magnesium-containing silk fibroin/polycaprolactone electrospun nanofibrous scaffolds for accelerating bone regeneration. <i>Arabian Journal of Chemistry</i> , 2020 , 13, 5526-5538	5.9	17
118	Incorporating chitin derived glucosamine sulfate into nanofibers via coaxial electrospinning for cartilage regeneration. <i>Carbohydrate Polymers</i> , 2020 , 229, 115544	10.3	34
117	Applications of chitin and chitosan nanofibers in bone regenerative engineering. <i>Carbohydrate Polymers</i> , 2020 , 230, 115658	10.3	106
116	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	11.7	16
115	Cellular Structured CNTs@SiO Nanofibrous Aerogels with Vertically Aligned Vessels for Salt-Resistant Solar Desalination. <i>Advanced Materials</i> , 2020 , 32, e1908269	24	94
114	Accelerating dermal wound healing and mitigating excessive scar formation using LBL modified nanofibrous mats. <i>Materials and Design</i> , 2020 , 185, 108265	8.1	39
113	Lysozyme/collagen multilayers layer-by-layer deposited nanofibers with enhanced biocompatibility and antibacterial activity. <i>Materials Science and Engineering C</i> , 2020 , 112, 110868	8.3	15

112	Nanomaterials From Mixed-Layer Clay Minerals: Structure, Properties, and Functional Applications 2019 , 365-413		1
111	Electrospun Nanofibers for Food and Food Packaging Technology 2019 , 455-516		6
110	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	9.3	15
109	Stretchable, tough, self-recoverable, and cytocompatible chitosan/cellulose nanocrystals/polyacrylamide hybrid hydrogels. <i>Carbohydrate Polymers</i> , 2019 , 222, 114977	10.3	31
108	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	16.7	116
107	Chitosan-TiO ₂ microparticles LBL immobilized nanofibrous mats via electrospaying for antibacterial applications. <i>International Journal of Biological Macromolecules</i> , 2019 , 135, 233-239	7.9	10
106	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	6.7	28
105	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	12.8	43
104	Egg source natural proteins LBL modified cellulose nanofibrous mats and their cellular compatibility. <i>Carbohydrate Polymers</i> , 2019 , 213, 329-337	10.3	14
103	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	9.5	23
102	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	7.9	39
101	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	6.4	36
100	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	7.9	19
99	A simple mechanical agitation method to fabricate chitin nanogels directly from chitin solution and subsequent surface modification. <i>Journal of Materials Chemistry B</i> , 2019 , 7, 2226-2232	7.3	7
98	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	9.3	29
97	Porous structured cellulose microsphere acts as biosensor for glucose detection with "signal-and-color" output. <i>Carbohydrate Polymers</i> , 2019 , 205, 295-301	10.3	13
96	Layer-by-layer immobilization of amphoteric carboxymethyl chitosan onto biocompatible silk fibroin nanofibrous mats. <i>Carbohydrate Polymers</i> , 2019 , 210, 9-16	10.3	46
95	Construction of highly biocompatible hydroxyethyl cellulose/soy protein isolate composite sponges for tissue engineering. <i>Chemical Engineering Journal</i> , 2018 , 341, 402-413	14.7	29

94	Electrochemical writing on edible polysaccharide films for intelligent food packaging. <i>Carbohydrate Polymers</i> , 2018 , 186, 236-242	10.3	49
93	Fabrication of cellulose nanofibers from waste brown algae and their potential application as milk thickeners. <i>Food Hydrocolloids</i> , 2018 , 79, 473-481	10.6	42
92	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	6.7	45
91	Promoting osteogenic differentiation in pre-osteoblasts and reducing tibial fracture healing time using functional nanofibers. <i>Nano Research</i> , 2018 , 11, 3658-3677	10	29
90	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	8.3	18
89	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	9.3	63
88	Dual-drug release from chitin-based core-shell microspheres fabricated by coaxial electro spray. <i>Advances in Polymer Technology</i> , 2018 , 37, 1366-1373	1.9	3
87	Advanced Silk Fibroin Biomaterials for Cartilage Regeneration. <i>ACS Biomaterials Science and Engineering</i> , 2018 , 4, 2704-2715	5.5	75
86	Electrical Writing onto a Dynamically Responsive Polysaccharide Medium: Patterning Structure and Function into a Reconfigurable Medium. <i>Advanced Functional Materials</i> , 2018 , 28, 1803139	15.6	20
85	Incorporating platelet-rich plasma into coaxial electrospun nanofibers for bone tissue engineering. <i>International Journal of Pharmaceutics</i> , 2018 , 547, 656-666	6.5	47
84	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	10.8	120
83	Accelerated skin wound healing by soy protein isolate-modified hydroxypropyl chitosan composite films. <i>International Journal of Biological Macromolecules</i> , 2018 , 118, 1293-1302	7.9	41
82	Highly cost-effective and high-strength hydrogels as dye adsorbents from natural polymers: chitosan and cellulose. <i>Polymer Chemistry</i> , 2017 , 8, 2913-2921	4.9	119
81	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	7.9	44
80	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	6	26
79	Incorporation of lysozyme-rectorite composites into chitosan films for antibacterial properties enhancement. <i>International Journal of Biological Macromolecules</i> , 2017 , 102, 789-795	7.9	29
78	Construction of horizontal stratum landform-like composite foams and their methyl orange adsorption capacity. <i>Applied Surface Science</i> , 2017 , 397, 133-143	6.7	63
77	Rectorite-intercalated nanoparticles for improving controlled release of doxorubicin hydrochloride. <i>International Journal of Biological Macromolecules</i> , 2017 , 101, 815-822	7.9	15

76	Remote controlled drug release from multi-functional FeO/GO/Chitosan microspheres fabricated by an electro spray method. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 151, 354-362	6	30
75	Presence of nano-sized chitosan-layered silicate composites protects against toxicity induced by lead ions. <i>Carbohydrate Polymers</i> , 2017 , 158, 1-10	10.3	5
74	Ultrasensitive SERS Substrate Integrated with Uniform Subnanometer Scale Plot Spots Created by a Graphene Spacer for the Detection of Mercury Ions. <i>Small</i> , 2017 , 13, 1603347	11	79
73	Graphene oxide-modified electrospun polyvinyl alcohol nanofibrous scaffolds with potential as skin wound dressings. <i>RSC Advances</i> , 2017 , 7, 28826-28836	3.7	34
72	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	6	13
71	Flexible Polysaccharide Hydrogel with pH-Regulated Recovery of Self-Healing and Mechanical Properties. <i>Macromolecular Materials and Engineering</i> , 2017 , 302, 1700221	3.9	38
70	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	10.3	18
69	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	12.8	88
68	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	9.3	13
67	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	6	21
66	Electrodeposition of Ag nanoparticles on conductive polyaniline/cellulose aerogels with increased synergistic effect for energy storage. <i>Carbohydrate Polymers</i> , 2017 , 156, 19-25	10.3	64
65	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	6.5	15
64	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	6.7	36
63	Pectin based composite nanofabrics incorporated with layered silicate and their cytotoxicity. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 123-130	7.9	12
62	Electro-molecular Assembly: Electrical Writing of Information into an Erasable Polysaccharide Medium. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 19780-6	9.5	36
61	Spherical and rodlike inorganic nanoparticle regulated the orientation of carbon nanotubes in polymer nanofibers. <i>Chemical Physics Letters</i> , 2016 , 650, 82-87	2.5	17
60	Quaternized Chitosan/Alginate-Fe ₃ O ₄ 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, 948-61	4	31
59	Antimicrobial application of nanofibrous mats self-assembled with chitosan and epigallocatechin gallate. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016 , 145, 643-652	6	39

58	Antimicrobial application of nanofibrous mats self-assembled with quaternized chitosan and soy protein isolate. <i>Carbohydrate Polymers</i> , 2015 , 133, 229-35	10.3	30
57	Fabrication of rectorite-contained nanoparticles for drug delivery with a green and one-step synthesis method. <i>International Journal of Pharmaceutics</i> , 2015 , 493, 426-33	6.5	24
56	Antibacterial and hemostatic performance of chitosan/organic rectorite/alginate composite sponge. <i>RSC Advances</i> , 2015 , 5, 50523-50531	3.7	28
55	Biomimetic LBL structured nanofibrous matrices assembled by chitosan/collagen for promoting wound healing. <i>Biomaterials</i> , 2015 , 53, 58-75	15.6	132
54	Antimicrobial activity and cytotoxicity of nanofibrous mats immobilized with polysaccharides-rectorite based nanogels. <i>Colloids and Surfaces B: Biointerfaces</i> , 2015 , 133, 370-7	6	8
53	A dynamic and self-crosslinked polysaccharide hydrogel with autonomous self-healing ability. <i>Soft Matter</i> , 2015 , 11, 3971-6	3.6	120
52	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	3.7	14
51	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	7.3	28
50	Pectin/lysozyme bilayers layer-by-layer deposited cellulose nanofibrous mats for antibacterial application. <i>Carbohydrate Polymers</i> , 2015 , 117, 687-693	10.3	69
49	Construction of lysozyme exfoliated rectorite-based electrospun nanofibrous membranes for bacterial inhibition. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	53
48	Electrochemically induced reversible formation of carboxymethyl chitin hydrogel and tunable protein release. <i>New Journal of Chemistry</i> , 2015 , 39, 1253-1259	3.6	19
47	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, 428-35	10.3	62
46	Antibacterial multilayer films fabricated by layer-by-layer immobilizing lysozyme and gold nanoparticles on nanofibers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014 , 116, 432-8	6	87
45	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, 60-6	6	67
44	Antibacterial activity of nanofibrous mats coated with lysozyme-layered silicate composites via electrospinning. <i>Carbohydrate Polymers</i> , 2014 , 99, 218-25	10.3	79
43	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, 657-63	6	82
42	Protein/polymer co-induced exfoliated layered silicate structure based nanofibrous mats and their cytotoxicity. <i>RSC Advances</i> , 2014 , 4, 8867	3.7	15
41	Multilayer composite beads constructed via layer-by-layer self-assembly for lysozyme controlled release. <i>RSC Advances</i> , 2014 , 4, 24369-24376	3.7	11

40	Coding for hydrogel organization through signal guided self-assembly. <i>Soft Matter</i> , 2014 , 10, 465-9	3.6	50
39	Characterization and cytotoxicity study of nanofibrous mats incorporating rectorite and carbon nanotubes. <i>RSC Advances</i> , 2014 , 4, 33355	3.7	33
38	Electrical signal guided click coating of chitosan hydrogel on conductive surface. <i>RSC Advances</i> , 2014 , 4, 13477	3.7	22
37	Emerging chitin and chitosan nanofibrous materials for biomedical applications. <i>Nanoscale</i> , 2014 , 6, 9477-93	7.93	262
36	Cytotoxicity of calcium rectorite micro/nanoparticles before and after organic modification. <i>Chemical Research in Toxicology</i> , 2014 , 27, 1401-10	4	9
35	Construction of porous chitosan/nylon/TiO ₂ hybrid with highly efficient sorption capability on heavy metals. <i>Journal of Environmental Chemical Engineering</i> , 2014 , 2, 1568-1577	6.8	14
34	Compartmentalized multilayer hydrogel formation using a stimulus-responsive self-assembling polysaccharide. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 2948-57	9.5	37
33	Tunable thermosensitive behavior of multiple responsive chitin. <i>Journal of Materials Chemistry B</i> , 2014 , 2, 3050-3056	7.3	17
32	Chitin-based fast responsive pH sensitive microspheres for controlled drug release. <i>Carbohydrate Polymers</i> , 2014 , 102, 413-8	10.3	47
31	Nanofibrous mats layer-by-layer assembled by HTCC/layered silicate composites with in vitro antitumor activity against SMMC-7721 cells. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 485-99	4	12
30	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, 1346-58	4	20
29	Novel layer-by-layer structured nanofibrous mats coated by protein films for dermal regeneration. <i>Journal of Biomedical Nanotechnology</i> , 2014 , 10, 803-10	4	49
28	Functional nanoparticles in targeting glioma diagnosis and therapies. <i>Journal of Nanoscience and Nanotechnology</i> , 2014 , 14, 415-32	1.3	70
27	KGM and PMAA based pH-sensitive interpenetrating polymer network hydrogel for controlled drug release. <i>Carbohydrate Polymers</i> , 2013 , 97, 565-70	10.3	59
26	Nanogels fabricated by lysozyme and sodium carboxymethyl cellulose for 5-fluorouracil controlled release. <i>International Journal of Pharmaceutics</i> , 2013 , 441, 721-7	6.5	94
25	Antibacterial hydrogel coating by electrophoretic co-deposition of chitosan/alkynyl chitosan. <i>Carbohydrate Polymers</i> , 2013 , 98, 1547-52	10.3	57
24	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, 322-8	6	45
23	Poly(vinyl alcohol)/sodium alginate/layered silicate based nanofibrous mats for bacterial inhibition. <i>Carbohydrate Polymers</i> , 2013 , 92, 2232-8	10.3	60

22	Homogeneous synthesis of chitin-based acrylate superabsorbents in NaOH/urea solution. <i>Carbohydrate Polymers</i> , 2013 , 94, 261-71	10.3	26
21	Cytotoxicity and antibacterial ability of scaffolds immobilized by polysaccharide/layered silicate composites. <i>Carbohydrate Polymers</i> , 2013 , 92, 1880-6	10.3	25
20	Cytotoxicity and Antibacterial Activity of Chitosan-organic Rectorite Intercalated Nanofibrous Mats. <i>Current Nanoscience</i> , 2013 , 9, 8-13	1.4	7
19	Nanofibrous mats coated by homocharged biopolymer-layered silicate nanoparticles and their antitumor activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013 , 105, 137-43	6	14
18	Novel polymer-layered silicate intercalated composite beads for drug delivery. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 1-14	3.5	21
17	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	3.5	30
16	Antibacterial multilayer films fabricated by LBL immobilizing lysozyme and HTCC on nanofibrous mats. <i>International Journal of Biological Macromolecules</i> , 2013 , 53, 26-31	7.9	48
15	Hydroxypropyl chitosan/organic rectorite-based nanofibrous mats with intercalated structure for bacterial inhibition. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2013 , 24, 485-96	3.5	20
14	Cytotoxicity and Antibacterial Activity of Chitosan-organic Rectorite Intercalated Nanofibrous Mats. <i>Current Nanoscience</i> , 2013 , 9, 8-13	1.4	
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	7	91
12	Quaternized chitosan-organic rectorite intercalated composites based nanoparticles for protein controlled release. <i>International Journal of Pharmaceutics</i> , 2012 , 438, 258-65	6.5	42
11	LBL fabricated biopolymer-layered silicate based nanofibrous mats and their cell compatibility studies. <i>Carbohydrate Polymers</i> , 2012 , 90, 957-66	10.3	23
10	Carboxymethyl chitin/organic rectorite composites based nanofibrous mats and their cell compatibility. <i>Carbohydrate Polymers</i> , 2012 , 90, 1069-74	10.3	27
9	LBL structured chitosan-layered silicate intercalated composites based fibrous mats for protein delivery. <i>Carbohydrate Polymers</i> , 2012 , 90, 1656-63	10.3	18
8	Structure and properties of chitin/alginate blend membranes from NaOH/urea aqueous solution. <i>International Journal of Biological Macromolecules</i> , 2012 , 51, 1121-6	7.9	11
7	Nanofibrous mats layer-by-layer assembled via electrospun cellulose acetate and electrospayed chitosan for cell culture. <i>European Polymer Journal</i> , 2012 , 48, 1846-1853	5.2	58
6	Quaternized chitosan-layered silicate intercalated composites based nanofibrous mats and their antibacterial activity. <i>Carbohydrate Polymers</i> , 2012 , 89, 307-13	10.3	96
5	MOLECULAR IMAGING OF ATHEROSCLEROTIC PLAQUE VIA PROFILIN-1 ANTIBODY LABELLED QUATERNISED CHITOSAN ENCAPSULATED MAGNETIC NANOPARTICLES. <i>Heart</i> , 2012 , 98, E116.1-E116	5.1	

4	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	10.3	91
3	Fabrication of polymer/layered silicate intercalated nanofibrous mats and their bacterial inhibition activity. <i>Carbohydrate Polymers</i> , 2011 , 83, 973-978	10.3	67
2	Layer-by-layer structured polysaccharides film-coated cellulose nanofibrous mats for cell culture. <i>Carbohydrate Polymers</i> , 2010 , 80, 474-479	10.3	96
1	Iron(II) cross-linked chitin-based gel beads: Preparation, magnetic property and adsorption of methyl orange. <i>Carbohydrate Polymers</i> , 2010 , 82, 706-713	10.3	72