

# Chao Feng

## 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.

63

papers

1,905

citations

27

h-index

41

g-index

64

ext. papers

2,292

ext. citations

7.2

avg. IF

4.77

L-index

#	Paper	IF	Citations
63	Copper deposited diatom-biosilica with enhanced photothermal and photodynamic performance for infected wound therapy. <i>New Journal of Chemistry</i> , <b>2022</b> , 46, 2140-2154	3.6	1
62	Multilayer calcium alginate beads containing Diatom Biosilica and Bacillus subtilis as microecologics for sewage treatment. <i>Carbohydrate Polymers</i> , <b>2021</b> , 256, 117603	10.3	4
61	A composite sponge based on alkylated chitosan and diatom-biosilica for rapid hemostasis. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 182, 2097-2107	7.9	6
60	Thrombin immobilized polydopamine-diatom biosilica for effective hemorrhage control. <i>Biomaterials Science</i> , <b>2021</b> , 9, 4952-4967	7.4	5
59	Hydroxybutyl chitosan/diatom-biosilica composite sponge for hemorrhage control. <i>Carbohydrate Polymers</i> , <b>2020</b> , 236, 116051	10.3	32
58	Thermo/photo dual-crosslinking chitosan-gelatin methacrylate hydrogel with controlled shrinking property for contraction fabrication. <i>Carbohydrate Polymers</i> , <b>2020</b> , 236, 116067	10.3	15
57	Researches on the Internal Molecular Weight Uniformity of Chitosan Biomaterials. <i>Journal of Ocean University of China</i> , <b>2020</b> , 19, 459-465	1	
56	Temperature responsive self-assembled hydroxybutyl chitosan nanohydrogel based on homogeneous reaction for smart window. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115557	10.3	18
55	Preparation and characterization of chitosan from crab shell ( <i>Portunus trituberculatus</i> ) by NaOH/urea solution freeze-thaw pretreatment procedure. <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 147, 931-936	7.9	16
54	Chitosan/Diatom-Biosilica Aerogel with Controlled Porous Structure for Rapid Hemostasis. <i>Advanced Healthcare Materials</i> , <b>2020</b> , 9, e2000951	10.1	28
53	Influence of the physicochemical characteristics of diatom frustules on hemorrhage control. <i>Biomaterials Science</i> , <b>2019</b> , 7, 1833-1841	7.4	7
52	Development of alginate hydrogel/gum Arabic/gelatin based composite capsules and their application as oral delivery carriers for antioxidant. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 132, 1090-1097	7.9	15
51	pH-sensitive amphiphilic chitosan-quercetin conjugate for intracellular delivery of doxorubicin enhancement. <i>Carbohydrate Polymers</i> , <b>2019</b> , 223, 115072	10.3	25
50	Mussel-inspired antibacterial polydopamine/chitosan/temperature-responsive hydrogels for rapid hemostasis. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 138, 321-333	7.9	28
49	Improvement of fucoxanthin oral efficacy via vehicles based on gum Arabic, gelatin and alginate hydrogel. <i>Journal of Functional Foods</i> , <b>2019</b> , 63, 103573	5.1	12
48	A thermosensitive RGD-modified hydroxybutyl chitosan hydrogel as a 3D scaffold for BMSCs culture on keloid treatment. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 125, 78-86	7.9	22
47	Multifunctional quercetin conjugated chitosan nano-micelles with P-gp inhibition and permeation enhancement of anticancer drug. <i>Carbohydrate Polymers</i> , <b>2019</b> , 203, 10-18	10.3	57

46	Optimization of the preparation conditions of thermo-sensitive chitosan hydrogel in heterogeneous reaction using response surface methodology. <i>International Journal of Biological Macromolecules</i> , <b>2019</b> , 121, 293-300	7.9	13
45	Reinforcement of thermoplastic chitosan hydrogel using chitin whiskers optimized with response surface methodology. <i>Carbohydrate Polymers</i> , <b>2018</b> , 189, 280-288	10.3	17
44	pH-Activated nanoparticles with targeting for the treatment of oral plaque biofilm. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 586-592	7.3	21
43	In situ controlled release of stromal cell-derived factor-1 and anti-miR-138 for on-demand cranial bone regeneration. <i>Carbohydrate Polymers</i> , <b>2018</b> , 182, 215-224	10.3	36
42	Different chemical groups modification on the surface of chitosan nonwoven dressing and the hemostatic properties. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 107, 463-469	7.9	29
41	Multifunctional chitosan/dopamine/diatom-biosilica composite beads for rapid blood coagulation. <i>Carbohydrate Polymers</i> , <b>2018</b> , 200, 6-14	10.3	37
40	A multi-responsive biomimetic nano-complex platform for enhanced gene delivery. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 5910-5921	7.3	10
39	Biosynthetic calcium-doped biosilica with multiple hemostatic properties for hemorrhage control. <i>Journal of Materials Chemistry B</i> , <b>2018</b> , 6, 7834-7841	7.3	24
38	The green and stable dissolving system based on KOH/urea for homogeneous chemical modification of chitosan. <i>International Journal of Biological Macromolecules</i> , <b>2018</b> , 120, 1103-1110	7.9	18
37	In vitro heterogeneous degradation of alginate and its validation of different molecular weight on blood bio-compatibility. <i>Journal of Biomaterials Science, Polymer Edition</i> , <b>2017</b> , 28, 380-393	3.5	5
36	Isolation of fucoxanthin from <i>Sargassum thunbergii</i> and preparation of microcapsules based on palm stearin solid lipid core. <i>Frontiers of Materials Science</i> , <b>2017</b> , 11, 66-74	2.5	14
35	Synthesis and evaluation of pH-sensitive, self-assembled chitosan-based nanoparticles as efficient doxorubicin carriers. <i>Journal of Biomaterials Applications</i> , <b>2017</b> , 31, 1182-1195	2.9	22
34	Simply constructed chitosan nanocarriers with precise spatiotemporal control for efficient intracellular drug delivery. <i>Carbohydrate Polymers</i> , <b>2017</b> , 169, 341-350	10.3	12
33	Systematic investigation of fabrication conditions of nanocarrier based on carboxymethyl chitosan for sustained release of insulin. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 102, 468-474	7.9	21
32	Chitosan based nanogels stepwise response to intracellular delivery kinetics for enhanced delivery of doxorubicin. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 104, 157-164	7.9	17
31	Preparation and antithrombotic activity identification of <i>Perinereis aibuhitensis</i> extract: a high temperature and wide pH range stable biological agent. <i>Food and Function</i> , <b>2017</b> , 8, 3533-3541	6.1	8
30	Thermo-responsive hydroxybutyl chitosan hydrogel as artery intervention embolic agent for hemorrhage control. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 566-574	7.9	15
29	Construction of multilayer alginate hydrogel beads for oral delivery of probiotics cells. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 105, 924-930	7.9	25

28	Mechanism of surface charge triggered intestinal epithelial tight junction opening upon chitosan nanoparticles for insulin oral delivery. <i>Carbohydrate Polymers</i> , <b>2017</b> , 157, 596-602	10.3	68
27	Multilayer micro-dispersing system as oral carriers for co-delivery of doxorubicin hydrochloride and P-gp inhibitor. <i>International Journal of Biological Macromolecules</i> , <b>2017</b> , 94, 170-180	7.9	18
26	Investigation of gelling behavior of thiolated chitosan in alkaline condition and its application in stent coating. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 307-15	10.3	27
25	Sodium carboxymethylation-functionalized chitosan fibers for cutaneous wound healing application. <i>Frontiers of Materials Science</i> , <b>2016</b> , 10, 358-366	2.5	4
24	Chitosan based nanoparticles as protein carriers for efficient oral antigen delivery. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 91, 716-23	7.9	60
23	A thermosensitive hydroxybutyl chitosan hydrogel as a potential co-delivery matrix for drugs on keloid inhibition. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 3936-3944	7.3	34
22	Improving the osteogenesis of rat mesenchymal stem cells by chitosan-based-microRNA nanoparticles. <i>Carbohydrate Polymers</i> , <b>2016</b> , 138, 49-58	10.3	42
21	Biomaterials based on N,N,N-trimethyl chitosan fibers in wound dressing applications. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 89, 471-6	7.9	56
20	Multilayer sodium alginate beads with porous core containing chitosan based nanoparticles for oral delivery of anticancer drug. <i>International Journal of Biological Macromolecules</i> , <b>2016</b> , 85, 1-8	7.9	28
19	Surface fluid-swallowable chitosan fiber as the wound dressing material. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 860-6	10.3	32
18	Positive/negative surface charge of chitosan based nanogels and its potential influence on oral insulin delivery. <i>Carbohydrate Polymers</i> , <b>2016</b> , 136, 867-74	10.3	64
17	Chitosan-Coated Diatom Silica as Hemostatic Agent for Hemorrhage Control. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 34234-34243	9.5	109
16	Nano-polyplex based on oleoyl-carboxymethyl-chitosan (OCMCS) and hyaluronic acid for oral gene vaccine delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 145, 492-501	6	32
15	Influence of the graft density of hydrophobic groups on thermo-responsive nanoparticles for anti-cancer drugs delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2016</b> , 148, 147-156	6	23
14	Development of part-dissolvable chitosan fibers with surface N-succinylation for wound care dressing. <i>Frontiers of Materials Science</i> , <b>2015</b> , 9, 272-281	2.5	8
13	Surface charge effect on mucoadhesion of chitosan based nanogels for local anti-colorectal cancer drug delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2015</b> , 128, 439-447	6	77
12	Enhanced transdermal lymphatic drug delivery of hyaluronic acid modified transfersomes for tumor metastasis therapy. <i>Chemical Communications</i> , <b>2015</b> , 51, 1453-6	5.8	36
11	Immobilization of coacervate microcapsules in multilayer sodium alginate beads for efficient oral anticancer drug delivery. <i>Biomacromolecules</i> , <b>2014</b> , 15, 985-96	6.9	56

10	In vitro and in vivo evaluation of chitosan microspheres with different deacetylation degree as potential embolic agent. <i>Carbohydrate Polymers</i> , <b>2014</b> , 113, 304-13	10.3	48
9	Transport mechanism of doxorubicin loaded chitosan based nanogels across intestinal epithelium. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , <b>2014</b> , 87, 197-207	5.7	49
8	Optimization and characteristics of preparing chitosan microspheres using response surface methodology. <i>Journal of Applied Polymer Science</i> , <b>2013</b> , 127, 4433-4439	2.9	28
7	Hydroxybutyl chitosan thermo-sensitive hydrogel: a potential drug delivery system. <i>Journal of Materials Science</i> , <b>2013</b> , 48, 5614-5623	4.3	76
6	Biocompatibility, cellular uptake and biodistribution of the polymeric amphiphilic nanoparticles as oral drug carriers. <i>Colloids and Surfaces B: Biointerfaces</i> , <b>2013</b> , 103, 345-53	6	43
5	Construction of hyaluronic acid noisome as functional transdermal nanocarrier for tumor therapy. <i>Carbohydrate Polymers</i> , <b>2013</b> , 94, 634-41	10.3	56
4	Chitosan/o-carboxymethyl chitosan nanoparticles for efficient and safe oral anticancer drug delivery: in vitro and in vivo evaluation. <i>International Journal of Pharmaceutics</i> , <b>2013</b> , 457, 158-67	6.5	169
3	Preparation and property of layer-by-layer alginate hydrogel beads based on multi-phase emulsion technique. <i>Journal of Sol-Gel Science and Technology</i> , <b>2012</b> , 62, 217-226	2.3	14
2	The effect of carboxymethyl-chitosan nanoparticles on proliferation of keloid fibroblast. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , <b>2011</b> , 6, 31-37		10
1	Adsorption characteristics of residual oil on amphiphilic chitosan derivative. <i>Water Science and Technology</i> , <b>2010</b> , 61, 2363-74	2.2	3