Chengsheng Liu

List of Publications by Year in Descending Order

75 papers	3,194 citations	31 h-index	55 g-index
76 ext. papers	3,585 ext. citations	5.9 avg, IF	4.87 L-index

#	Paper	IF	Citations
75	Antibacterial porous sponge fabricated with capric acid-grafted chitosan and oxidized dextran as a novel hemostatic dressing. *Carbohydrate Polymers*, **2022**, 277, 118782	10.3	6
74	Selective capture of mercury(II) in aqueous media using nanoporous diatomite modified by allyl thiourea. *Journal of Materials Science*, **2022**, 57, 9246-9264	4.3	0
73	Carboxymethyl chitosan and carboxymethyl cellulose based self-healing hydrogel for accelerating diabetic wound healing. *Carbohydrate Polymers*, **2022**, 119687	10.3	1
72	Novel amidinothiourea-modified chitosan microparticles for selective removal of Hg(II) in solution. *Carbohydrate Polymers*, **2021**, 269, 118273	10.3	8
71	Decanoic acid functionalized chitosan: Synthesis, characterization, and evaluation as potential wound dressing material. *International Journal of Biological Macromolecules*, **2019**, 139, 1046-1053	7.9	14
70	Cr(VI) and Pb(II) capture on pH-responsive polyethyleneimine and chloroacetic acid functionalized chitosan microspheres. *Carbohydrate Polymers*, **2019**, 219, 353-367	10.3	26
69	Fabrication of methyl acrylate and tetraethylenepentamine grafted magnetic chitosan microparticles for capture of Cd(II) from aqueous solutions. *Journal of Hazardous Materials*, **2019**, 366, 346-357	12.8	46
68	Preparation, characterization, and evaluation of 3,6-O-N-acetylethylenediamine modified chitosan as potential antimicrobial wound dressing material. *Carbohydrate Polymers*, **2018**, 180, 1-12	10.3	27
67	Characterization and antibacterial mechanism of poly(aminoethyl) modified chitin synthesized via a facile one-step pathway. *Carbohydrate Polymers*, **2018**, 195, 275-287	10.3	22
66	Selective Adsorption toward Hg(II) and Inhibitory Effect on Bacterial Growth Occurring on Thiosemicarbazide-Functionalized Chitosan Microsphere Surface. *ACS Applied Materials & Interfaces*, **2018**, 10, 40302-40316	9.5	41
65	Uptake of Pb(II) and Cd(II) on Chitosan Microsphere Surface Successively Grafted by Methyl Acrylate and Diethylenetriamine. *ACS Applied Materials & Interfaces*, **2017**, 9, 11144-11155	9.5	91
64	Synthesis, characterization, and evaluation of poly(aminoethyl) modified chitosan and its hydrogel used as antibacterial wound dressing. *International Journal of Biological Macromolecules*, **2017**, 102, 457-467	7.9	30
63	Preparation and characterization of poly(maleic acid)-grafted cross-linked chitosan microspheres for Cd(II) adsorption. *Carbohydrate Polymers*, **2017**, 172, 28-39	10.3	71
62	Itaconic acid grafted carboxymethyl chitosan and its nanoparticles: Preparation, characterization and evaluation. *International Journal of Biological Macromolecules*, **2017**, 102, 10-18	7.9	21
61	Fabrication and evaluation of thermosensitive chitosan/collagen/□□glycerophosphate hydrogels for tissue regeneration. *Carbohydrate Polymers*, **2017**, 167, 145-157	10.3	59
60	Characterization and biocompatibility of injectable microspheres-loaded hydrogel for methotrexate delivery. *Carbohydrate Polymers*, **2016**, 136, 516-26	10.3	22
59	3,6-O-[N-(2-Aminoethyl)-acetamide-yl]-chitosan exerts antibacterial activity by a membrane damage mechanism. *Carbohydrate Polymers*, **2016**, 149, 102-11	10.3	45

58	Preparation and evaluation of adipic acid dihydrazide cross-linked carboxymethyl chitosan microspheres for copper ion adsorption. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 502, 34-43	5.1	30
57	Heterotrophic nitrogen removal by a newly-isolated alkalitolerant microorganism, Serratia marcescens W5. *Bioresource Technology*, **2016**, 211, 618-27	11	27
56	Preparation and characterization of carboxyl-functionalized chitosan magnetic microspheres and submicrospheres for Pb2+ removal. *Colloids and Surfaces A: Physicochemical and Engineering Aspects* , **2015**, 482, 353-364	5.1	38
55	Preparation, characterization and antibacterial activity of O-acetyl-chitosan-N-2-hydroxypropyl trimethyl ammonium chloride. *International Journal of Biological Macromolecules*, **2015**, 80, 8-15	7.9	37
54	Preparation and characterization of N-benzoyl-O-acetyl-chitosan. *International Journal of Biological Macromolecules*, **2015**, 77, 52-8	7.9	21
53	Biological evaluation of chitosan-based in situ-forming hydrogel with low phase transition temperature. *Journal of Applied Polymer Science*, **2015**, 132, n/a-n/a	2.9	6
52	Characterization of collagen from haddock skin and wound healing properties of its hydrolysates. *Biomedical Materials (Bristol)*, **2015**, 10, 015022	3.5	19
51	Characterizations of chitosan-based highly porous hydrogel□he effects of the solvent. *Journal of Applied Polymer Science*, **2012**, 125, E88-E98	2.9	31
50	Improved dissolution and anti-inflammatory effect of ibuprofen by solid dispersion. *Frontiers of Medicine*, **2012**, 6, 195-203	12	5
49	Design and evaluation of a highly porous thermosensitive hydrogel with low gelation temperature as a 3D culture system for Penaeus chinensis lymphoid cells. *Carbohydrate Polymers*, **2012**, 88, 361-368	10.3	18
48	Controlled gelation temperature, pore diameter and degradation of a highly porous chitosan-based hydrogel. *Carbohydrate Polymers*, **2011**, 83, 171-178	10.3	69
47	Properties of biogenic magnetite nanoparticles in the radula of chiton Acanthochiton rubrolineatus lischke. *Journal Wuhan University of Technology, Materials Science Edition*, **2011**, 26, 478-482	1	1
46	Chitosan acetate as an active coating material and its effects on the storing of Prunus avium L. *Journal of Food Science*, **2010**, 75, S125-31	3.4	58
45	Oleoyl-chitosan nanoparticles inhibits Escherichia coli and Staphylococcus aureus by damaging the cell membrane and putative binding to extracellular or intracellular targets. *International Journal of Food Microbiology*, **2009**, 132, 127-33	5.8	91
44	Biological evaluation of a novel chitosan-PVA-based local delivery system for treatment of periodontitis. *Journal of Biomedical Materials Research - Part A*, **2009**, 91, 1065-76	5.4	8
43	Preparation of chitosan-based thermosensitive hydrogels for drug delivery. *Journal of Applied Polymer Science*, **2009**, 112, 1509-1515	2.9	28
42	Effect of oleoyl-chitosan nanoparticles as a novel antibacterial dispersion system on viability, membrane permeability and cell morphology of Escherichia coli and Staphylococcus aureus. *Carbohydrate Polymers*, **2009**, 76, 17-22	10.3	126
41	Preparation and characteristics of novel porous hydrogel films based on chitosan and glycerophosphate. *Carbohydrate Polymers*, **2009**, 76, 410-416	10.3	78

40	Investigation of polymeric amphiphilic nanoparticles as antitumor drug carriers. *Journal of Materials Science: Materials in Medicine*, **2009**, 20, 991-9	4.5	20
39	Injectable thermosensitive hydrogel based on chitosan and quaternized chitosan and the biomedical properties. *Journal of Materials Science: Materials in Medicine*, **2009**, 20, 1603-10	4.5	38
38	Preparation, characterization, and antibacterial activity of oleic acid-grafted chitosan oligosaccharide nanoparticles. *Frontiers of Biology in China: Selected Publications From Chinese Universities*, **2009**, 4, 321-327		32
37	Influence of Lactobacillus E1 on the storage stability in emulsion immobilization. *Journal Wuhan University of Technology, Materials Science Edition*, **2009**, 24, 75-80	1	4
36	Preparation and characteristics of chitosan microspheres in different acetylation as drug carrier system. *Journal of Microencapsulation*, **2009**, 26, 593-602	3.4	12
35	Microencapsulation of a probiotic bacteria with alginate-gelatin and its properties. *Journal of Microencapsulation*, **2009**, 26, 315-24	3.4	67
34	Effect of Trehalose and Drying Process on the Survival of Encapsulated Lactobacillus casei ATCC 393. *Drying Technology*, **2008**, 26, 895-901	2.6	14
33	Plasma protein adsorption pattern and tissue-implant reaction of poly(vinyl alcohol)/carboxymethyl-chitosan blend films. *Journal of Biomaterials Science, Polymer Edition*, **2008**, 19, 113-29	3.5	13
32	Preparation and Properties of Amphiphilic Chitosan Derivative as a Coagulation Agent. *Environmental Engineering Science*, **2008**, 25, 1325-1332	2	11
31	Preparation and blood coagulation evaluation of chitosan microspheres. *Journal of Materials Science: Materials in Medicine*, **2008**, 19, 1371-7	4.5	47
30	Preparation and antibacterial activity of chitosan microshperes in a solid dispersing system. *Frontiers of Materials Science in China*, **2008**, 2, 214-220		53
29	Preparation of alginate-gelatin capsules and its properties. *Frontiers of Materials Science in China*, **2008**, 2, 253-260		4
28	Dissociation behaviors of carboxyl and amine groups on carboxymethyl-chitosan in aqueous system. *Journal of Polymer Science, Part B: Polymer Physics*, **2008**, 46, 1419-1429	2.6	24
27	Preparation of a multistructural film with CM-chitosan and PVA, and in vitro ornidazole release from the carrier. *Journal of Applied Polymer Science*, **2008**, 110, 1136-1144	2.9	7
26	Antibacterial mechanism of chitosan microspheres in a solid dispersing system against E. coli. *Colloids and Surfaces B: Biointerfaces*, **2008**, 65, 197-202	6	217
25	Effect of molecular weight and degree of chitosan deacetylation on the preparation and characteristics of chitosan thermosensitive hydrogel as a delivery system. *Carbohydrate Polymers*, **2008**, 73, 265-273	10.3	163
24	Antibacterial activity of oleoyl-chitosan nanoparticles: A novel antibacterial dispersion system. *Carbohydrate Polymers*, **2008**, 74, 114-120	10.3	42
23	Uptake of oleoyl-chitosan nanoparticles by A549 cells. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2008**, 4, 208-14	6	52

22	Physicochemical characterization and antibacterial property of chitosan acetates. *Carbohydrate Polymers*, **2007**, 67, 227-232	10.3	71
21	Self-assembled nanoparticles based on hydrophobically modified chitosan as carriers for doxorubicin. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2007**, 3, 258-65	6	131
20	Self-assembled nanoparticles based on linoleic-acid modified carboxymethyl-chitosan as carrier of adriamycin (ADR). *Current Applied Physics*, **2007**, 7, e125-e129	2.6	30
19	Preparations, characterizations and applications of chitosan-based nanoparticles. *Journal of Ocean University of China*, **2007**, 6, 237-243	1	37
18	Synthesis and characterization of chitosan-based biomaterials modified with different active groups and their relationship with cytotoxicity. *Journal Wuhan University of Technology, Materials Science Edition*, **2007**, 22, 695-700	1	7
17	Sweet Potato Starch Microparticles as Controlled Drug Release Carriers: Preparation and In Vitro Drug Release. *Drying Technology*, **2007**, 25, 689-693	2.6	17
16	Preparation and Characterization of Carboxymethyl Chitosan and □Cyclodextrin Microspheres by Spray Drying. *Drying Technology*, **2007**, 26, 108-115	2.6	23
15	Preparation and characterizationin vitro of sustained-release captopril/Chitosan-gelatin net-polymer microspheres (Cap/CGNPMs). *Journal Wuhan University of Technology, Materials Science Edition*, **2006**, 21, 35-40	1	
14	Drug Release Kinetics of Spray-Dried Chitosan Microspheres. *Drying Technology*, **2006**, 24, 769-776	2.6	41
13	Effect of MW and concentration of chitosan on antibacterial activity of Escherichia coli. *Carbohydrate Polymers*, **2006**, 64, 60-65	10.3	332
12	Protonation constants of chitosan with different molecular weight and degree of deacetylation. *Carbohydrate Polymers*, **2006**, 65, 194-201	10.3	246
11	Preparation and biocompatibility of chitosan microcarriers as biomaterial. *Biochemical Engineering Journal*, **2006**, 27, 269-274	4.2	74
10	Release characteristics of three model drugs from chitosan/cellulose acetate multimicrospheres. *Biochemical Engineering Journal*, **2006**, 31, 228-233	4.2	17
9	Enhancement of dissolution rate of valdecoxib using solid dispersions with polyethylene glycol 4000. *Drug Development and Industrial Pharmacy*, **2005**, 31, 1-10	3.6	37
8	Solubility of Rofecoxib in the Presence of Mannitol, Poly(vinylpyrrolidone) K30, Urea, Polyethylene Glycol 4000, and Polyethylene Glycol 6000 at (298.15, 303.15, and 308.15) K. *Journal of Chemical & Engineering Data*, **2005**, 50, 661-665	2.8	5
7	Solubility of Valdecoxib in the Presence of Poly(ethylene glycol) 4000, Poly(ethylene glycol) 6000, Poly(ethylene glycol) 8000, and Poly(ethylene glycol) 10 000 at (298.15, 303.15, and 308.15) K. *Journal of Chemical & Engineering Data*, **2005**, 50, 278-282	2.8	4
6	Solubility of Valdecoxib in the Presence of Glycerol, Propylene Glycol, and Poly(ethylene glycol) 400 at (298.15, 303.15, and 308.15) K. *Journal of Chemical & Engineering Data*, **2005**, 50, 1736-1739	2.8	5
5	Solubility of Rofecoxib in the Presence of Aqueous Solutions of Glycerol, Propylene Glycol, Ethanol, Span 20, Tween 80, and Sodium Lauryl Sulfate at (298.15, 303.15, and 308.15) K. *Journal of Chemical & Engineering Data*, **2005**, 50, 2061-2064	2.8	9

4	Characteristics of rofecoxib-polyethylene glycol 4000 solid dispersions and tablets based on solid dispersions. *Pharmaceutical Development and Technology*, **2005**, 10, 467-77	3.4	31
3	Chitosan/Cellulose Acetate Microspheres Preparation and Ranitidine Release In Vitro. *Pharmaceutical Development and Technology*, **2005**, 10, 219-225	3.4	2
2	Solubility of Valdecoxib in the Presence of Ethanol and Sodium Lauryl Sulfate at (298.15, 303.15, and 308.15) K. *Journal of Chemical & Engineering Data*, **2004**, 49, 1847-1850	2.8	17
1	Enhancement of dissolution rate of rofecoxib using solid dispersions with urea. *Drug Development Research*, **2004**, 63, 181-189	5.1	16