

Dongfeng Wang

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.

69

papers

1,103

citations

21

h-index

29

g-index

71

ext. papers

1,390

ext. citations

5

avg, IF

4.75

L-index

#	Paper	IF	Citations
69	A review of factors affecting the stability of zein-based nanoparticles loaded with bioactive compounds: from construction to application.. <i>Critical Reviews in Food Science and Nutrition</i> , 2022 , 1-17	11.5	0
68	pH-driven self-assembly of alcohol-free curcumin-loaded propylene glycol alginate nanoparticles.. <i>International Journal of Biological Macromolecules</i> , 2021 , 195, 302-308	7.9	1
67	Preparation and characterization of metal-tea polysaccharide complexes and their inhibition on α -glucosidase. <i>Journal of Food Biochemistry</i> , 2021 , 45, e13689	3.3	1
66	High-efficiency adsorption of various heavy metals by tea residue biochar loaded with nanoscale zero-valent iron. <i>Environmental Progress and Sustainable Energy</i> , 2021 , 40, e13706	2.5	0
65	Development of pH-driven zein/tea saponin composite nanoparticles for encapsulation and oral delivery of curcumin. <i>Food Chemistry</i> , 2021 , 364, 130401	8.5	17
64	One-step self-assembly of curcumin-loaded zein/sophorolipid nanoparticles: physicochemical stability, redispersibility, solubility and bioaccessibility. <i>Food and Function</i> , 2021 , 12, 5719-5730	6.1	10
63	Construction of biopolymer-based nanoencapsulation of functional food ingredients using the pH-driven method: a review.. <i>Critical Reviews in Food Science and Nutrition</i> , 2021 , 1-15	11.5	3
62	Selective, highly efficient extraction of Cr(III), Pb(II) and Fe(III) from complex water environment with a tea residue derived porous gel adsorbent. <i>Bioresource Technology</i> , 2020 , 311, 123520	11	26
61	Self-assembled composite nanoparticles based on zein as delivery vehicles of curcumin: role of chondroitin sulfate. <i>Food and Function</i> , 2020 , 11, 5377-5388	6.1	21
60	Effect of purity of tea polysaccharides on its antioxidant and hypoglycemic activities. <i>Journal of Food Biochemistry</i> , 2020 , 44, e13277	3.3	6
59	Fabrication and characterization of zein nanoparticles by dextran sulfate coating as vehicles for delivery of curcumin. <i>International Journal of Biological Macromolecules</i> , 2020 , 151, 1074-1083	7.9	45
58	Oxidized Oligosaccharides Stabilize Rehydrated Sea Cucumbers against High-Temperature Impact. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	3
57	Modulation of Gut Microbiota by Fucoxanthin During Alleviation of Obesity in High-Fat Diet-Fed Mice. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 5118-5128	5.7	36
56	Design of Astaxanthin-Loaded Core-Shell Nanoparticles Consisting of Chitosan Oligosaccharides and Poly(lactic- co-glycolic acid): Enhancement of Water Solubility, Stability, and Bioavailability. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 5113-5121	5.7	42
55	Formation, characterization, and application of chitosan/pectin-stabilized multilayer emulsions as astaxanthin delivery systems. <i>International Journal of Biological Macromolecules</i> , 2019 , 140, 985-997	7.9	34
54	Fabrication of stable zein nanoparticles by chondroitin sulfate deposition based on antisolvent precipitation method. <i>International Journal of Biological Macromolecules</i> , 2019 , 139, 30-39	7.9	41
53	Improved cadmium resistance and removal capacity in <i>Pichia kudriavzevii</i> A16 by sucrose preincubation. <i>Journal of Basic Microbiology</i> , 2019 , 59, 867-878	2.7	1

52	Fabrication and Characterization of Lutein-Loaded Nanoparticles Based on Zein and Sophorolipid: Enhancement of Water Solubility, Stability, and Bioaccessibility. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 11977-11985	5-7	44
51	Construction of Fucoxanthin Vector Based on Binding of Whey Protein Isolate and Its Subsequent Complex Coacervation with Lysozyme. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 2980-2990	5-7	20
50	Dietary Recombinant Phycoerythrin Modulates the Gut Microbiota of H22 Tumor-Bearing Mice. <i>Marine Drugs</i> , 2019 , 17,	6	7
49	Novel Multifunctional and Edible Film Based on Phenyllactic Acid Grafted Chitosan Derivative and Nano Zinc Oxide. <i>Food Biophysics</i> , 2018 , 13, 102-111	3-2	5
48	Effects of metal ions in tea polysaccharides on their in vitro antioxidant activity and hypoglycemic activity. <i>International Journal of Biological Macromolecules</i> , 2018 , 113, 418-426	7-9	19
47	Comparison of La and mixed rare earths-loaded magnetic chitosan beads for fluoride adsorption. <i>International Journal of Biological Macromolecules</i> , 2018 , 111, 255-263	7-9	27
46	Effects of intrinsic metal ions of lentinan with different molecular weights from <i>Lentinus edodes</i> on the antioxidant capacity and activity against proliferation of cancer cells. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 73-81	7-9	15
45	Fabrication and Characterization of β -Lactoglobulin-Based Nanocomplexes Composed of Chitosan Oligosaccharides as Vehicles for Delivery of Astaxanthin. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 6717-6726	5-7	33
44	The stability and bioaccessibility of fucoxanthin in spray-dried microcapsules based on various biopolymers.. <i>RSC Advances</i> , 2018 , 8, 35139-35149	3-7	25
43	Construction and Characterization of Phthalocyanine-Loaded Particles of Curdlan and Their Photosensitivity. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6-3	2
42	Effect of dietary chitosan oligosaccharide complex with Ce (IV) on growth, immunity and disease resistance against <i>Vibrio splendidus</i> of sea cucumber, <i>Apostichopus japonicas</i> . <i>Aquaculture Research</i> , 2017 , 48, 1158-1167	1-9	6
41	Development of a propidium monoazide-polymerase chain reaction assay for detection of viable <i>Lactobacillus brevis</i> in beer. <i>Brazilian Journal of Microbiology</i> , 2017 , 48, 740-746	2-2	6
40	Synthesis, crystal structure and hydrolysis activity of a novel heterobinuclear cobalt(II)-sodium(II)-Schiff base complex. <i>Journal of Inorganic Biochemistry</i> , 2017 , 171, 37-44	4-2	7
39	Reduction of salt content of fish sauce by ethanol treatment. <i>Journal of Food Science and Technology</i> , 2017 , 54, 2956-2964	3-3	9
38	Novel Antimicrobial and Antioxidant Chitosan Derivatives Prepared by Green Grafting with Phenyllactic Acid. <i>Food Biophysics</i> , 2017 , 12, 470-478	3-2	5
37	Selection of <i>Zygosaccharomyces rouxii</i> strains resistant to cadmium with improved removal abilities through ultraviolet-diethyl sulfate cooperative mutagenesis. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 18630-18639	5-1	1
36	Development of a Rapid Method for the Evaluation of DPPH Radical Scavenging Activity of Ginger (<i>Zingiber officinale</i>) Foods Based on Cyclic Voltammetry. <i>Food Analytical Methods</i> , 2017 , 10, 1419-1429	3-4	2
35	A preliminary study about the influence of high hydrostatic pressure processing on the physicochemical and sensorial properties of a cloudy wheat beer. <i>Journal of the Institute of Brewing</i> , 2016 , 122, 462-467	2	10

34	Synthesis of a novel chitosan-based Ce(IV) complex with proteolytic activity in vitro toward edible biological proteins. <i>Carbohydrate Polymers</i> , 2016 , 140, 154-62	10.3	1
33	Biosorption of lead from aqueous solutions by ion-imprinted tetraethylenepentamine modified chitosan beads. <i>International Journal of Biological Macromolecules</i> , 2016 , 86, 562-9	7.9	43
32	Efficient removal of zinc by multi-stress-tolerant yeast <i>Pichia kudriavzevii</i> A16. <i>Bioresource Technology</i> , 2016 , 206, 43-49	11	18
31	Comparison study on copper bioaccumulation by growing <i>Pichia kudriavzevii</i> and <i>Saccharomyces cerevisiae</i> . <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 1353-1360	2.5	3
30	Chemical cleavage of fucoxanthin from <i>Undaria pinnatifida</i> and formation of apo-fucoxanthinones and apo-fucoxanthinals identified using LC-DAD-APCI-MS/MS. <i>Food Chemistry</i> , 2016 , 211, 365-73	8.5	18
29	Rapid Detection of <i>Enterobacter Sakazakii</i> in milk Powder using amino modified chitosan immunomagnetic beads. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 615-622	7.9	11
28	Synthesis of a chitosan-based functional biopolymer with both catalytic and binding groups for protein and DNA hydrolysis. <i>RSC Advances</i> , 2015 , 5, 19541-19551	3.7	5
27	Adsorptive removal of patulin from aqueous solution using thiourea modified chitosan resin. <i>International Journal of Biological Macromolecules</i> , 2015 , 80, 520-8	7.9	26
26	HPLC Method for Determining the Formaldehyde Content of Beer. <i>Journal of the American Society of Brewing Chemists</i> , 2015 , 73, 124-129	1.9	1
25	Different effects of sodium chloride preincubation on cadmium tolerance of <i>Pichia kudriavzevii</i> and <i>Saccharomyces cerevisiae</i> . <i>Journal of Basic Microbiology</i> , 2015 , 55, 1002-12	2.7	16
24	Degradation of four organophosphorous pesticides catalyzed by chitosan-metal coordination complexes. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15104-12	5.1	8
23	Bioaccumulation of cadmium by growing <i>Zygosaccharomyces rouxii</i> and <i>Saccharomyces cerevisiae</i> . <i>Bioresource Technology</i> , 2014 , 155, 116-21	11	39
22	Isolation and characterization of fucoidans from five brown algae and evaluation of their antioxidant activity. <i>Journal of Ocean University of China</i> , 2014 , 13, 851-856	1	16
21	La(III)-loaded bentonite/chitosan beads for defluoridation from aqueous solution. <i>Journal of Rare Earths</i> , 2014 , 32, 458-466	3.7	22
20	Effects of dietary chitosan oligosaccharide complex with rare earth on growth performance and innate immune response of turbot, <i>Scophthalmus maximus</i> L.. <i>Aquaculture Research</i> , 2013 , 44, 683-690	1.9	21
19	Biosorption of cadmium(II) from aqueous solution by chitosan encapsulated <i>Zygosaccharomyces rouxii</i> . <i>Environmental Progress and Sustainable Energy</i> , 2013 , 32, 1101-1110	2.5	7
18	Adsorption of heavy metal ions, dyes and proteins by chitosan composites and derivatives [A review]. <i>Journal of Ocean University of China</i> , 2013 , 12, 500-508	1	72
17	Chitosan removes toxic heavy metal ions from cigarette mainstream smoke. <i>Journal of Ocean University of China</i> , 2013 , 12, 509-514	1	5

16	Biosorption of citric acid-cadmium complex by imprinted chitosan polymer. <i>Desalination and Water Treatment</i> , 2013 , 51, 3754-3761		3
15	Preparation, characterization, bioavailability in vitro and in vivo of tea polysaccharides-iron complex. <i>European Food Research and Technology</i> , 2013 , 236, 341-350	3-4	34
14	Synthesis and properties of an insoluble chitosan resin modified by azamacrocyclic copper(II) complex for protein hydrolysis. <i>Journal of Applied Polymer Science</i> , 2013 , 128, 3280-3288	2-9	7
13	Adsorption behavior of As(III) onto chitosan resin with As(III) as template ions. <i>Journal of Applied Polymer Science</i> , 2012 , 125, 246-253	2-9	24
12	Chitosan oligosaccharide-Ca complex accelerates the depuration of cadmium from <i>Chlamys ferrari</i> . <i>Journal of Ocean University of China</i> , 2012 , 11, 219-226	1	7
11	Optimization of the Antibacterial Activity of Half-Fin Anchovy (<i>Setipinna taty</i>) Hydrolysates. <i>Food and Bioprocess Technology</i> , 2012 , 5, 1979-1989	5-1	36
10	Adsorption properties of Cd(II)-imprinted chitosan resin. <i>Journal of Materials Science</i> , 2011 , 46, 1535-1544	4-3	42
9	Removal of arsenic from <i>Laminaria japonica</i> Aresch juice using As(III)-imprinted chitosan resin. <i>European Food Research and Technology</i> , 2011 , 232, 911-917	3-4	19
8	Preparation and characterization of magnetic resin made from chitosan and cerium. <i>Journal of Ocean University of China</i> , 2010 , 9, 185-192	1	4
7	Study on the preparation and adsorption thermodynamics of chitosan microsphere resins. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , 2009 , 4, 160-167		4
6	A rapid quantitative method for polysaccharides in green tea and oolong tea. <i>European Food Research and Technology</i> , 2008 , 226, 691-696	3-4	17
5	Isolation and characterization of antitumor polysaccharides from the marine mollusk <i>Ruditapes philippinarum</i> . <i>European Food Research and Technology</i> , 2008 , 227, 103-110	3-4	17
4	Enzyme-like activities of algal polysaccharide - cerium complexes. <i>Journal of Ocean University of China</i> , 2005 , 4, 29-33	1	2
3	Hydrolysis activities of the particle of agarose-Ce ⁴⁺ complex for compounds containing phosphodiester or peptide bonds. <i>Journal of Ocean University of China</i> , 2005 , 4, 272-275	1	
2	Effect of rare earth elements on peroxidase activity in tea shoots. <i>Journal of the Science of Food and Agriculture</i> , 2003 , 83, 1109-1113	4-3	7
1	Effects of spraying rare earths on contents of rare Earth elements and effective components in tea. <i>Journal of Agricultural and Food Chemistry</i> , 2003 , 51, 6731-5	5-7	18