

Huihua Huang

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49
papers

1,644
citations

25
h-index

40
g-index

51
ext. papers

2,133
ext. citations

6.5
avg, IF

5.88
L-index

#	Paper	IF	Citations
49	Eco-friendly polyvinyl alcohol/carboxymethyl cellulose hydrogels reinforced with graphene oxide and bentonite for enhanced adsorption of methylene blue. <i>Carbohydrate Polymers</i> , 2018 , 185, 1-11	10.3	263
48	Enhanced Swelling and Responsive Properties of Pineapple Peel Carboxymethyl Cellulose-g-poly(acrylic acid-co-acrylamide) Superabsorbent Hydrogel by the Introduction of Carclazyte. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 565-574	5.7	98
47	Utilization of pineapple peel for production of nanocellulose and film application. <i>Cellulose</i> , 2018 , 25, 1743-1756	5.5	77
46	Modified pineapple peel cellulose hydrogels embedded with sepia ink for effective removal of methylene blue. <i>Carbohydrate Polymers</i> , 2016 , 148, 1-10	10.3	71
45	Pineapple peel carboxymethyl cellulose/polyvinyl alcohol/mesoporous silica SBA-15 hydrogel composites for papain immobilization. <i>Carbohydrate Polymers</i> , 2017 , 169, 504-514	10.3	63
44	Structure characterization of a novel polysaccharide from <i>Hericium erinaceus</i> fruiting bodies and its immunomodulatory activities. <i>Food and Function</i> , 2018 , 9, 294-306	6.1	57
43	Green pH/magnetic sensitive hydrogels based on pineapple peel cellulose and polyvinyl alcohol: synthesis, characterization and naringin prolonged release. <i>Carbohydrate Polymers</i> , 2019 , 209, 51-61	10.3	53
42	Synthesis and response of pineapple peel carboxymethyl cellulose-g-poly (acrylic acid-co-acrylamide)/graphene oxide hydrogels. <i>Carbohydrate Polymers</i> , 2019 , 215, 366-376	10.3	52
41	Structural characterization of a novel polysaccharide fraction from <i>Hericium erinaceus</i> and its signaling pathways involved in macrophage immunomodulatory activity. <i>Journal of Functional Foods</i> , 2017 , 37, 574-585	5.1	47
40	Review on Magnetic Natural Polymer Constructed Hydrogels as Vehicles for Drug Delivery. <i>Biomacromolecules</i> , 2020 , 21, 2574-2594	6.9	46
39	Inhibitory activity and conformation changes of soybean trypsin inhibitors induced by ultrasound. <i>Ultrasonics Sonochemistry</i> , 2008 , 15, 724-30	8.9	44
38	Immune-enhancing activities of chondroitin sulfate in murine macrophage RAW 264.7 cells. <i>Carbohydrate Polymers</i> , 2018 , 198, 611-619	10.3	43
37	Modification of pineapple peel fibre with succinic anhydride for Cu ²⁺ , Cd ²⁺ and Pb ²⁺ removal from aqueous solutions. <i>Environmental Technology (United Kingdom)</i> , 2011 , 32, 739-46	2.6	42
36	Effect of thermal processing on genistein, daidzein and glycitein content in soymilk. <i>Journal of the Science of Food and Agriculture</i> , 2006 , 86, 1110-1114	4.3	41
35	Enhanced swelling and multiple-responsive properties of gelatin/sodium alginate hydrogels by the addition of carboxymethyl cellulose isolated from pineapple peel. <i>Cellulose</i> , 2018 , 25, 593-606	5.5	39
34	Synthesis, characterization and properties of pineapple peel cellulose-g-acrylic acid hydrogel loaded with kaolin and sepia ink. <i>Cellulose</i> , 2017 , 24, 69-84	5.5	38
33	Green and facile fabrication of pineapple peel cellulose/magnetic diatomite hydrogels in ionic liquid for methylene blue adsorption. <i>Cellulose</i> , 2019 , 26, 3825-3844	5.5	37

32	Magnetic chitin hydrogels prepared from <i>Herichium erinaceus</i> residues with tunable characteristics: A novel biosorbent for Cu removal. <i>Carbohydrate Polymers</i> , 2019 , 220, 191-201	10.3	37
31	Direct fabrication of hierarchically processed pineapple peel hydrogels for efficient Congo red adsorption. <i>Carbohydrate Polymers</i> , 2020 , 230, 115599	10.3	37
30	Assessments of antioxidant effect of black tea extract and its rationals by erythrocyte haemolysis assay, plasma oxidation assay and cellular antioxidant activity (CAA) assay. <i>Journal of Functional Foods</i> , 2015 , 18, 1095-1105	5.1	36
29	Effects of tea polyphenols on the activities of soybean trypsin inhibitors and trypsin. <i>Journal of the Science of Food and Agriculture</i> , 2004 , 84, 121-126	4.3	34
28	Preparation and characterization of cellulose composite hydrogels from tea residue and carbohydrate additives. <i>Carbohydrate Polymers</i> , 2016 , 147, 226-233	10.3	33
27	Synthesis of self-healing waterborne polyurethanes containing sulphonate groups. <i>RSC Advances</i> , 2017 , 7, 20093-20100	3.7	31
26	Impacts of some macromolecules on the characteristics of hydrogels prepared from pineapple peel cellulose using ionic liquid. <i>Cellulose</i> , 2013 , 20, 2923-2933	5.5	28
25	Enhanced performances of polyvinyl alcohol films by introducing tannic acid and pineapple peel-derived cellulose nanocrystals. <i>Cellulose</i> , 2018 , 25, 4623-4637	5.5	25
24	Characterisation and comparison of phenols, flavonoids and isoflavones of soymilk and their correlations with antioxidant activity. <i>International Journal of Food Science and Technology</i> , 2014 , 49, 2290-2298	3.8	23
23	Preparation and characterization of papain embedded in magnetic cellulose hydrogels prepared from tea residue. <i>Journal of Molecular Liquids</i> , 2017 , 232, 449-456	6	22
22	Characterization and behavior of composite hydrogel prepared from bamboo shoot cellulose and β -cyclodextrin. <i>International Journal of Biological Macromolecules</i> , 2016 , 89, 527-34	7.9	22
21	Changes of trypsin in activity and secondary structure induced by complex with trypsin inhibitors and tea polyphenol. <i>European Food Research and Technology</i> , 2008 , 227, 361-365	3.4	19
20	Temperature/pH dual sensitive <i>Herichium erinaceus</i> residue carboxymethyl chitin/poly (N-isopropyl acrylamide) sequential IPN hydrogels. <i>Cellulose</i> , 2020 , 27, 825-838	5.5	19
19	Changes of heat-treated soymilks in bioactive compounds and their antioxidant activities under in vitro gastrointestinal digestion. <i>European Food Research and Technology</i> , 2014 , 239, 637-652	3.4	18
18	Magnetic sensitive <i>Herichium erinaceus</i> residue chitin/Cu hydrogel nanocomposites for H generation by catalyzing NaBH hydrolysis. <i>Carbohydrate Polymers</i> , 2020 , 229, 115426	10.3	18
17	Green magnetic hydrogels synthesis, characterization and flavourzyme immobilization based on chitin from <i>Herichium erinaceus</i> residue and polyvinyl alcohol. <i>International Journal of Biological Macromolecules</i> , 2019 , 138, 462-472	7.9	17
16	Extraction of a novel fungal chitin from <i>Herichium erinaceus</i> residue using multistep mild procedures. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 1279-1286	7.9	15
15	Surface morphology and protective effect of <i>Herichium erinaceus</i> polysaccharide on cyclophosphamide-induced immunosuppression in mice. <i>Carbohydrate Polymers</i> , 2021 , 251, 116930	10.3	14

14	Enzymatic Production of Highly Unsaturated Monoacylglycerols and Diacylglycerols and Their Emulsifying Effects on the Storage Stability of a Palm Oil Based Shortening System. <i>JAACS, Journal of the American Oil ChemistssSociety</i> , 2017 , 94, 1175-1188	1.8	13
13	Smart pH/magnetic sensitive Hericium erinaceus residue carboxymethyl chitin/FeO nanocomposite hydrogels with adjustable characteristics. <i>Carbohydrate Polymers</i> , 2020 , 246, 116644	10.3	12
12	A fungal chitin derived from Hericium erinaceus residue: Dissolution, gelation and characterization. <i>International Journal of Biological Macromolecules</i> , 2020 , 152, 456-464	7.9	12
11	Two-Stage Enzymatic Preparation of Eicosapentaenoic Acid (EPA) And Docosahexaenoic Acid (DHA) Enriched Fish Oil Triacylglycerols. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 218-227	5.7	10
10	Preparation, properties and drug controlled release of chitin-based hydrogels: An updated review.. <i>Carbohydrate Polymers</i> , 2022 , 283, 119177	10.3	7
9	Interesterification of rice bran wax and palm olein catalyzed by lipase: Crystallization behaviours and characterization. <i>Food Chemistry</i> , 2019 , 286, 29-37	8.5	6
8	A novel Hericium erinaceus polysaccharide: Structural characterization and prevention of HO-induced oxidative damage in GES-1 cells. <i>International Journal of Biological Macromolecules</i> , 2020 , 154, 1460-1470	7.9	6
7	Construction of hydrogels based on the homogeneous carboxymethylated chitin from Hericium erinaceus residue: Role of carboxymethylation degree. <i>Carbohydrate Polymers</i> , 2021 , 262, 117953	10.3	5
6	Changes of porcine pancreas ßmylase in activity and secondary conformations under inhibition of tea polyphenols. <i>International Journal of Food Science and Technology</i> , 2016 , 51, 1537-1543	3.8	4
5	Changes in inhibitory activity and secondary conformation of soybean trypsin inhibitors induced by tea polyphenol complexation. <i>Journal of the Science of Food and Agriculture</i> , 2009 , 89, 2435-2439	4.3	3
4	Effects of epicatechin gallate (ECG) on fetal bovine serum (FBS)-induced steatosis in human liver cell line L02 and 2,2?-azobis (2-amidinopropane) (AAPH)-induced oxidative stress in human erythrocytes. <i>European Food Research and Technology</i> , 2016 , 242, 495-504	3.4	2
3	Preparation, Characterization and Gelation of a Fungal Nano Chitin Derived from Residue.. <i>Polymers</i> , 2022 , 14,	4.5	1
2	A study on chitosan-coated liposomes as a carrier of bovine serum albumin as oral protein drug. <i>Journal of Dispersion Science and Technology</i> ,1-10	1.5	1
1	Construction of hydrogels based on the chitin from Hericium erinaceus residue: role of molecular weight. <i>Cellulose</i> , 2022 , 29, 2211	5.5	0