

Huihua Huang

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,589
citations

172207

29
h-index

189595

50
g-index

51
all docs

51
docs citations

51
times ranked

2893
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.1	382
2	Utilization of pineapple peel for production of nanocellulose and film application. <i>Cellulose</i> , 2018, 25, 1743-1756.	2.4	151
3	Enhanced Swelling and Responsive Properties of Pineapple Peel Carboxymethyl Cellulose- <i>g</i> -poly(acrylic acid- <i>co</i> -acrylamide) Superabsorbent Hydrogel by the Introduction of Carclazte. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 565-574.	2.4	138
4	Review on Magnetic Natural Polymer Constructed Hydrogels as Vehicles for Drug Delivery. <i>Biomacromolecules</i> , 2020, 21, 2574-2594.	2.6	106
5	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.	5.1	98
6	Modified pineapple peel cellulose hydrogels embedded with sepia ink for effective removal of methylene blue. <i>Carbohydrate Polymers</i> , 2016, 148, 1-10.	5.1	95
7	Pineapple peel carboxymethyl cellulose/polyvinyl alcohol/mesoporous silica SBA-15 hydrogel composites for papain immobilization. <i>Carbohydrate Polymers</i> , 2017, 169, 504-514.	5.1	93
8	Synthesis and response of pineapple peel carboxymethyl cellulose- <i>g</i> -poly (acrylic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 Td (acid-co-	5.1	86
9	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.	2.1	83
10	Immune-enhancing activities of chondroitin sulfate in murine macrophage RAW 264.7 cells. <i>Carbohydrate Polymers</i> , 2018, 198, 611-619.	5.1	71
11	Direct fabrication of hierarchically processed pineapple peel hydrogels for efficient Congo red adsorption. <i>Carbohydrate Polymers</i> , 2020, 230, 115599.	5.1	70
12	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.	2.4	69
13	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.	1.6	63
14	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.	2.4	61
15	Inhibitory activity and conformation changes of soybean trypsin inhibitors induced by ultrasound. <i>Ultrasonics Sonochemistry</i> , 2008, 15, 724-730.	3.8	60
16	Magnetic chitin hydrogels prepared from <i>Hericium erinaceus</i> residues with tunable characteristics: A novel biosorbent for Cu ²⁺ removal. <i>Carbohydrate Polymers</i> , 2019, 220, 191-201.	5.1	57
17	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.	1.6	56
18	Synthesis, characterization and properties of pineapple peel cellulose- <i>g</i> -acrylic acid hydrogel loaded with kaolin and sepia ink. <i>Cellulose</i> , 2017, 24, 69-84.	2.4	55

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19	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.	1.7	51
20	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, 739-746.	1.2	48
21	Enhanced performances of polyvinyl alcohol films by introducing tannic acid and pineapple peel-derived cellulose nanocrystals. <i>Cellulose</i> , 2018, 25, 4623-4637.	2.4	48
22	Preparation and characterization of cellulose composite hydrogels from tea residue and carbohydrate additives. <i>Carbohydrate Polymers</i> , 2016, 147, 226-233.	5.1	45
23	Synthesis of self-healing waterborne polyurethanes containing sulphonate groups. <i>RSC Advances</i> , 2017, 7, 20093-20100.	1.7	43
24	Preparation, properties and drug controlled release of chitin-based hydrogels: An updated review. <i>Carbohydrate Polymers</i> , 2022, 283, 119177.	5.1	42
25	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.	1.7	36
26	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.	1.3	32
27	Characterization and behavior of composite hydrogel prepared from bamboo shoot cellulose and β -cyclodextrin. <i>International Journal of Biological Macromolecules</i> , 2016, 89, 527-534.	3.6	32
28	Surface morphology and protective effect of <i>Herichium erinaceus</i> polysaccharide on cyclophosphamide-induced immunosuppression in mice. <i>Carbohydrate Polymers</i> , 2021, 251, 116930.	5.1	32
29	Impacts of some macromolecules on the characteristics of hydrogels prepared from pineapple peel cellulose using ionic liquid. <i>Cellulose</i> , 2013, 20, 2923-2933.	2.4	31
30	Temperature/pH dual sensitive <i>Herichium erinaceus</i> residue carboxymethyl chitin/poly (N-isopropyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.4	28
31	Preparation and characterization of papain embedded in magnetic cellulose hydrogels prepared from tea residue. <i>Journal of Molecular Liquids</i> , 2017, 232, 449-456.	2.3	27
32	Magnetic sensitive <i>Herichium erinaceus</i> residue chitin/Cu hydrogel nanocomposites for H ₂ generation by catalyzing NaBH ₄ hydrolysis. <i>Carbohydrate Polymers</i> , 2020, 229, 115426.	5.1	26
33	Smart pH/magnetic sensitive <i>Herichium erinaceus</i> residue carboxymethyl chitin/Fe ₃ O ₄ nanocomposite hydrogels with adjustable characteristics. <i>Carbohydrate Polymers</i> , 2020, 246, 116644.	5.1	26
34	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.	3.6	24
35	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.	3.6	23
36	Smart pH-Sensitive Hydrogel Based on the Pineapple Peel-Oxidized Hydroxyethyl Cellulose and the <i>Herichium erinaceus</i> Residue Carboxymethyl Chitosan for Use in Drug Delivery. <i>Biomacromolecules</i> , 2022, 23, 253-264.	2.6	23

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37	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.	1.6	22
38	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.	1.6	20
39	Enzymatic Production of Highly Unsaturated Monoacylglycerols and Diacylglycerols and Their Emulsifying Effects on the Storage Stability of a Palm Oil Based Shortening System. <i>JAOCS, Journal of the American Oil Chemists' Society</i> , 2017, 94, 1175-1188.	0.8	20
40	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.	2.4	19
41	A fungal chitin derived from <i>Herichium erinaceus</i> residue: Dissolution, gelation and characterization. <i>International Journal of Biological Macromolecules</i> , 2020, 152, 456-464.	3.6	19
42	Construction of hydrogels based on the homogeneous carboxymethylated chitin from <i>Herichium erinaceus</i> residue: Role of carboxymethylation degree. <i>Carbohydrate Polymers</i> , 2021, 262, 117953.	5.1	17
43	A novel <i>Herichium erinaceus</i> polysaccharide: Structural characterization and prevention of H ₂ O ₂ -induced oxidative damage in GES-1 cells. <i>International Journal of Biological Macromolecules</i> , 2020, 154, 1460-1470.	3.6	14
44	Interesterification of rice bran wax and palm olein catalyzed by lipase: Crystallization behaviours and characterization. <i>Food Chemistry</i> , 2019, 286, 29-37.	4.2	13
45	Preparation, Characterization and Gelation of a Fungal Nano Chitin Derived from <i>Herichium erinaceus</i> Residue. <i>Polymers</i> , 2022, 14, 474.	2.0	7
46	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.	1.7	6
47	Comparison of cellulose nanocrystals from pineapple residues and its preliminary application for Pickering emulsions. <i>Nanotechnology</i> , 2021, 32, 495708.	1.3	6
48	Changes of porcine pancreas Î±-amylase in activity and secondary conformations under inhibition of tea polyphenols. <i>International Journal of Food Science and Technology</i> , 2016, 51, 1537-1543.	1.3	4
49	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.	1.6	4
50	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> , 0, , 1-10.	1.3	4
51	Construction of hydrogels based on the chitin from <i>Herichium erinaceus</i> residue: role of molecular weight. <i>Cellulose</i> , 2022, 29, 2211-2222.	2.4	3