

Yan Yang

List of Publications by Year in descending order

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35
papers

941
citations

430874

18
h-index

454955

30
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35
all docs

35
docs citations

35
times ranked

1001
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of drying methods on the tasty compounds of <i>Pleurotus eryngii</i> . <i>Food Chemistry</i> , 2015, 166, 358-364.	8.2	88
2	Comparative study of physicochemical properties and bioactivity of <i>Hericium erinaceus</i> polysaccharides at different solvent extractions. <i>Carbohydrate Polymers</i> , 2018, 193, 373-382.	10.2	76
3	Fabrication and stabilization of biocompatible selenium nanoparticles by carboxylic curdlans with various molecular properties. <i>Carbohydrate Polymers</i> , 2018, 179, 19-27.	10.2	68
4	Structure elucidation of a bioactive polysaccharide from fruiting bodies of <i>Hericium erinaceus</i> in different maturation stages. <i>Carbohydrate Polymers</i> , 2016, 144, 196-204.	10.2	67
5	Production, physicochemical characteristics, and in vitro biological activities of polysaccharides obtained from fresh bitter melon (<i>Momordica charantia</i> L.) via room temperature extraction techniques. <i>Food Chemistry</i> , 2021, 337, 127798.	8.2	64
6	<i>Hericium erinaceus</i> polysaccharide-protein HEG-5 inhibits SGC-7901 cell growth via cell cycle arrest and apoptosis. <i>International Journal of Biological Macromolecules</i> , 2015, 76, 242-253.	7.5	44
7	Genome-Wide Analysis, Expression Profile, and Characterization of the Acid Invertase Gene Family in Pepper. <i>International Journal of Molecular Sciences</i> , 2019, 20, 15.	4.1	42
8	Ultrasonic treatment at different pH values affects the macromolecular, structural, and rheological characteristics of citrus pectin. <i>Food Chemistry</i> , 2021, 341, 128216.	8.2	42
9	Three-phase partitioning for the direct extraction and separation of bioactive exopolysaccharides from the cultured broth of <i>Phellinus baumii</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 123, 201-209.	7.5	40
10	Analysis of volatile compounds of <i>Lentinula edodes</i> grown in different culture substrate formulations. <i>Food Research International</i> , 2019, 125, 108517.	6.2	36
11	Structural elucidation and immunomodulatory activity of a β -D-glucan prepared by freeze-thawing from <i>Hericium erinaceus</i> . <i>Carbohydrate Polymers</i> , 2019, 222, 114996.	10.2	36
12	Characterization of <i>Lentinus edodes</i> β -glucan influencing the in vitro starch digestibility of wheat starch gel. <i>Food Chemistry</i> , 2017, 224, 294-301.	8.2	35
13	Pre-protective effect of polysaccharides purified from <i>Hericium erinaceus</i> against ethanol-induced gastric mucosal injury in rats. <i>International Journal of Biological Macromolecules</i> , 2020, 159, 948-956.	7.5	25
14	Genome-Wide Identification, Expression, and Functional Analysis of the Alkaline/Neutral Invertase Gene Family in Pepper. <i>International Journal of Molecular Sciences</i> , 2018, 19, 224.	4.1	24
15	The anabolism of sulphur aroma volatiles responds to enzymatic and non-enzymatic reactions during the drying process of shiitake mushrooms. <i>Food Chemistry</i> , 2022, 371, 131123.	8.2	21
16	Chemical Compositions and Macrophage Activation of Polysaccharides from Leon's Mane Culinary-Medicinal Mushroom <i>Hericium erinaceus</i> (Higher Basidiomycetes) in Different Maturation Stages. <i>International Journal of Medicinal Mushrooms</i> , 2015, 17, 443-452.	1.5	20
17	Physicochemical characteristics and biological activities of polysaccharide fractions from <i>Phellinus baumii</i> cultured with different methods. <i>International Journal of Biological Macromolecules</i> , 2015, 81, 1082-1088.	7.5	20
18	The integration of metabolome and proteome reveals bioactive polyphenols and hispidin in ARTP mutagenized <i>Phellinus baumii</i> . <i>Scientific Reports</i> , 2019, 9, 16172.	3.3	20

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19	Preparative isolation of cordycepin, N ⁶ -(2-hydroxyethyl)-adenosine and adenosine from <i>Cordyceps militaris</i> by macroporous resin and purification by recycling high-speed counter-current chromatography. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1033-1034, 218-225.	2.3	19
20	Effects of different carbon sources and C/N values on nonvolatile taste components of <i>Pleurotus eryngii</i> . <i>International Journal of Food Science and Technology</i> , 2015, 50, 2360-2366.	2.7	17
21	Effects of culture substrates on taste component content and taste quality of <i>Lentinula edodes</i> . <i>International Journal of Food Science and Technology</i> , 2017, 52, 981-991.	2.7	16
22	Three-phase partitioning system with dimethyl carbonate as organic phase for partitioning of exopolysaccharides from <i>Phellinus baumii</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 131, 941-948.	7.5	16
23	Effects of Atmospheric and Room Temperature Plasma (ARTP) Mutagenesis on Physicochemical Characteristics and Immune Activity In Vitro of <i>Hericium erinaceus</i> Polysaccharides. <i>Molecules</i> , 2019, 24, 262.	3.8	16
24	Characterization of Compounds with Tumor Cell Proliferation Inhibition Activity from Mushroom (<i>Phellinus baumii</i>) Mycelia Produced by Solid-State Fermentation. <i>Molecules</i> , 2017, 22, 698.	3.8	13
25	Screening candidate genes related to volatile synthesis in shiitake mushrooms and construction of regulatory networks to effectively improve mushroom aroma. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5618-5626.	3.5	12
26	Regioselective sulfation of β -glucan from <i>Ganoderma lucidum</i> and structure-anticoagulant activity relationship of sulfated derivatives. <i>International Journal of Biological Macromolecules</i> , 2020, 155, 470-478.	7.5	12
27	Characterization of Polysaccharides from the Fruiting Bodies of Two Species of Genus <i>Ganoderma</i> (Agaricomycetes) and Determination of Water-Soluble β -D-Glucan Using High-Performance Liquid Chromatography. <i>International Journal of Medicinal Mushrooms</i> , 2017, 19, 75-85.	1.5	10
28	Key metabolism pathways and regulatory mechanisms of high polysaccharide yielding in <i>Hericium erinaceus</i> . <i>BMC Genomics</i> , 2021, 22, 160.	2.8	9
29	Employment of ARTP to Generate <i>Phellinus baumii</i> (Agaricomycetes) Strain with High Flavonoids Production and Validation by Liquid Fermentation. <i>International Journal of Medicinal Mushrooms</i> , 2019, 21, 1207-1221.	1.5	8
30	Antioxidant and Cytotoxic Activities of Ethanolic Extracts and Isolated Fractions of Species of the Genus <i>Phellinus</i> Qu \AA l. (Aphyllphoromycetidae). <i>International Journal of Medicinal Mushrooms</i> , 2011, 13, 145-152.	1.5	7
31	Hypoglycemic Effect of Ethanol and Ethyl Acetate Extract of <i>Phellinus baumii</i> Fruiting Body in Streptozotocin-Induced Diabetic Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015, 2015, 1-7.	1.2	5
32	Antioxidant and Neuroprotector Influence of Endo-Polyphenol Extract from Magnesium Acetate Multi-Stage Addition in the Oak Bracket Medicinal Mushroom, <i>Phellinus baumii</i> (Agaricomycetes). <i>International Journal of Medicinal Mushrooms</i> , 2020, 22, 183-195.	1.5	5
33	Structural Properties and Macrophage Activation of Cell Wall Polysaccharides from the Fruiting Bodies of <i>Hericium erinaceus</i> . <i>Polymers</i> , 2018, 10, 850.	4.5	4
34	Characterization and Heterologous Expression of UDP-Glucose 4-Epimerase From a <i>Hericium erinaceus</i> Mutant with High Polysaccharide Production. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 796278.	4.1	4
35	Genetic Diversity Analysis of Pepper Inbred Lines. , 2015, , .		0