

Bo-Bo Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,020
citations

361045

20
h-index

433756

31
g-index

40
all docs

40
docs citations

40
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	Structure, bioactivity and applications of natural hyperbranched polysaccharides. Carbohydrate Polymers, 2019, 223, 115076.	5.1	70
2	Enhanced production of pigments by addition of surfactants in submerged fermentation of <i>Monascus purpureus</i> H1102. Journal of the Science of Food and Agriculture, 2013, 93, 3339-3344.	1.7	62
3	Enhanced production of natural yellow pigments from <i>Monascus purpureus</i> by liquid culture: The relationship between fermentation conditions and mycelial morphology. Journal of Bioscience and Bioengineering, 2017, 124, 452-458.	1.1	61
4	A mechanistic study of the enhancing effect of Tween 80 on the mycelial growth and exopolysaccharide production by <i>Pleurotus tuber-regium</i> . Bioresource Technology, 2011, 102, 8323-8326.	4.8	53
5	Use of Stimulatory Agents To Enhance the Production of Bioactive Exopolysaccharide from <i>Pleurotus tuber-regium</i> by Submerged Fermentation. Journal of Agricultural and Food Chemistry, 2011, 59, 1210-1216.	2.4	49
6	Immobilization of Alkaline Protease on Amino-Functionalized Magnetic Nanoparticles and Its Efficient Use for Preparation of Oat Polypeptides. Industrial & Engineering Chemistry Research, 2015, 54, 4689-4698.	1.8	48
7	Cell wall structure of mushroom sclerotium (<i>Pleurotus tuber-regium</i>): Part 2. Fine structure of a novel alkali-soluble hyper-branched cell wall polysaccharide. Food Hydrocolloids, 2014, 38, 48-55.	5.6	46
8	Production of bioactive metabolites by submerged fermentation of the medicinal mushroom <i>Antrodia cinnamomea</i> : recent advances and future development. Critical Reviews in Biotechnology, 2019, 39, 541-554.	5.1	42
9	Efficient Biosynthesis of Natural Yellow Pigments by <i>Monascus purpureus</i> in a Novel Integrated Fermentation System. Journal of Agricultural and Food Chemistry, 2018, 66, 918-925.	2.4	40
10	Using millet as substrate for efficient production of monacolin K by solid-state fermentation of <i>Monascus ruber</i> . Journal of Bioscience and Bioengineering, 2018, 125, 333-338.	1.1	39
11	Comparative Proteomic Analysis of Mushroom Cell Wall Proteins among the Different Developmental Stages of <i>Pleurotus tuber-regium</i> . Journal of Agricultural and Food Chemistry, 2012, 60, 6173-6182.	2.4	37
12	Polydopamine nanocoated whole-cell asymmetric biocatalysts. Chemical Communications, 2017, 53, 6617-6620.	2.2	37
13	Using a water-immiscible ionic liquid to improve asymmetric reduction of 4-(trimethylsilyl)-3-butyn-2-one catalyzed by immobilized <i>Candida parapsilosis</i> CCTCC M203011 cells. BMC Biotechnology, 2009, 9, 90.	1.7	33
14	Why solid-state fermentation is more advantageous over submerged fermentation for converting high concentration of glycerol into Monacolin K by <i>Monascus purpureus</i> 9901: A mechanistic study. Journal of Biotechnology, 2015, 206, 60-65.	1.9	33
15	Current Advances on the Structure, Bioactivity, Synthesis, and Metabolic Regulation of Novel Ubiquinone Derivatives in the Edible and Medicinal Mushroom <i>Antrodia cinnamomea</i> . Journal of Agricultural and Food Chemistry, 2017, 65, 10395-10405.	2.4	31
16	Robust and Biocompatible Hybrid Matrix with Controllable Permeability for Microalgae Encapsulation. ACS Applied Materials & Interfaces, 2016, 8, 8939-8946.	4.0	25
17	Enhanced production of <i>M</i> onacolin <i>K</i> by addition of precursors and surfactants in submerged fermentation of <i>Monascus purpureus</i> 9901. Biotechnology and Applied Biochemistry, 2014, 61, 202-207.	1.4	24
18	Efficient conversion of high concentration of glycerol to Monacolin K by solid-state fermentation of <i>Monascus purpureus</i> using bagasse as carrier. Bioprocess and Biosystems Engineering, 2013, 36, 293-299.	1.7	23

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19	Coupling use of surfactant and in situ extractant for enhanced production of Antrodin C by submerged fermentation of <i>Antrodia camphorata</i> . <i>Biochemical Engineering Journal</i> , 2013, 79, 194-199.	1.8	23
20	Single-cell yolk-shell nanoencapsulation for long-term viability with size-dependent permeability and molecular recognition. <i>National Science Review</i> , 2021, 8, nwa097.	4.6	23
21	Evaluating the effects of microparticle addition on mycelial morphology, natural yellow pigments productivity, and key genes regulation in submerged fermentation of <i>Monascus purpureus</i> . <i>Biotechnology and Bioengineering</i> , 2021, 118, 2503-2513.	1.7	23
22	Efficient synthesis of enantiopure (S)-4-(trimethylsilyl)-3-butyn-2-ol via asymmetric reduction of 4-(trimethylsilyl)-3-butyn-2-one with immobilized <i>Candida parapsilosis</i> CCTCC M203011 cells. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2008, 54, 122-129.	1.8	21
23	Efficient anti-Prelog enantioselective reduction of acetyltrimethylsilane to (R)-1-trimethylsilylethanol by immobilized <i>Candida parapsilosis</i> CCTCC M203011 cells in ionic liquid-based biphasic systems. <i>Microbial Cell Factories</i> , 2012, 11, 108.	1.9	19
24	Proteomic insights into the stimulatory effect of Tween 80 on mycelial growth and exopolysaccharide production of an edible mushroom <i>Pleurotus tuber-regium</i> . <i>Biotechnology Letters</i> , 2012, 34, 1863-1867.	1.1	18
25	Enabling the biosynthesis of Antroquinonol in submerged fermentation of <i>Antrodia camphorata</i> . <i>Biochemical Engineering Journal</i> , 2014, 91, 157-162.	1.8	17
26	Ethanol addition elevates cell respiratory activity and causes overproduction of natural yellow pigments in submerged fermentation of <i>Monascus purpureus</i> . <i>LWT - Food Science and Technology</i> , 2021, 139, 110534.	2.5	17
27	A mechanistic study on the biosynthetic regulation of bioactive metabolite Antroquinonol from edible and medicinal mushroom <i>Antrodia camphorata</i> . <i>Journal of Functional Foods</i> , 2016, 25, 70-79.	1.6	16
28	Use of agar as carrier in solid-state fermentation for Monacolin K production by <i>Monascus</i> : A novel method for direct determination of biomass and accurate comparison with submerged fermentation. <i>Biochemical Engineering Journal</i> , 2013, 80, 10-13.	1.8	9
29	Structural and thermal analysis of a hyper-branched exopolysaccharide produced by submerged fermentation of mushroom mycelium. <i>RSC Advances</i> , 2016, 6, 112260-112268.	1.7	9
30	Stimulating the biosynthesis of antroquinonol by addition of effectors and soybean oil in submerged fermentation of <i>Antrodia camphorata</i> . <i>Biotechnology and Applied Biochemistry</i> , 2016, 63, 398-406.	1.4	9
31	Unsaturated fatty acid promotes the production of triterpenoids in submerged fermentation of <i>Sanghuangporus baumii</i> . <i>Food Bioscience</i> , 2020, 37, 100712.	2.0	9
32	Induction of antroquinonol production by addition of hydrogen peroxide in the fermentation of <i>Antrodia camphorata</i> . <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 595-599.	1.7	8
33	Oxidative Stress Induction Is a Rational Strategy to Enhance the Productivity of <i>Antrodia cinnamomea</i> Fermentations for the Antioxidant Secondary Metabolite Antrodin C. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 3995-4004.	2.4	8
34	Integrated strategy of pH-shift and glucose feeding for enhanced production of bioactive Antrodin C in submerged fermentation of <i>Antrodia camphorata</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1305-1310.	1.4	7
35	Two-Dimensional Gel Electrophoresis Analysis of Mycelial Cells Treated with Tween 80: Differentially Expressed Protein Related to Enhanced Metabolite Production. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 10585-10591.	2.4	6
36	Efficient Asymmetric Reduction of 4-(Trimethylsilyl)-3-Butyn-2-One by <i>Candida parapsilosis</i> Cells in an Ionic Liquid-Containing System. <i>PLoS ONE</i> , 2012, 7, e37641.	1.1	6

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37	Chemical Composition and Safety of Unrecorded Grain Alcohol (Bai Jiu) Samples from Three Provinces in China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 2710.	1.2	6
38	Alginate@polydopamine@SiO ₂ microcapsules with controlled porosity for whole-cell based enantioselective biosynthesis of (S)-1-phenylethanol. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 214, 112454.	2.5	6
39	Chemical Characterization and Antioxidant Properties of Cell Wall Polysaccharides from <i>Antrodia cinnamomea</i> mycelia. <i>Food Bioscience</i> , 2021, 41, 100932.	2.0	5
40	Effect of cultural conditions on antrodin production by basidiomycete <i>Antrodia camphorata</i> in solid-state fermentation. <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 724-732.	1.4	2