

Sufang Zhang

List of Publications by Year in descending order

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44
papers

1,298
citations

430442

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34
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all docs

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docs citations

44
times ranked

1149
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-omic map of the lipid-producing yeast <i>Rhodospiridium toruloides</i> . <i>Nature Communications</i> , 2012, 3, 1112.	5.8	324
2	Functional integration of multiple genes into the genome of the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>FEMS Yeast Research</i> , 2014, 14, 547-555.	1.1	94
3	<i>Rhodospiridium toruloides</i> - A potential red yeast chassis for lipids and beyond. <i>FEMS Yeast Research</i> , 2020, 20, .	1.1	83
4	Systems analysis of phosphate-limitation-induced lipid accumulation by the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>Biotechnology for Biofuels</i> , 2018, 11, 148.	6.2	78
5	Dynamics of the Lipid Droplet Proteome of the Oleaginous Yeast <i>Rhodospiridium toruloides</i> . <i>Eukaryotic Cell</i> , 2015, 14, 252-264.	3.4	71
6	Cloning and evaluation of different constitutive promoters in the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>Yeast</i> , 2016, 33, 99-106.	0.8	57
7	Fast and efficient genetic transformation of oleaginous yeast <i>Rhodospiridium toruloides</i> by using electroporation. <i>FEMS Yeast Research</i> , 2017, 17, .	1.1	54
8	Bacterial profiles and volatile flavor compounds in commercial Suancai with varying salt concentration from Northeastern China. <i>Food Research International</i> , 2020, 137, 109384.	2.9	47
9	Overexpression of Δ^{12} -Fatty Acid Desaturase in the Oleaginous Yeast <i>Rhodospiridium toruloides</i> for Production of Linoleic Acid-Rich Lipids. <i>Applied Biochemistry and Biotechnology</i> , 2016, 180, 1497-1507.	1.4	40
10	Developing a CRISPR/Cas9 System for Genome Editing in the Basidiomycetous Yeast <i>Rhodospiridium toruloides</i> . <i>Biotechnology Journal</i> , 2019, 14, e1900036.	1.8	34
11	Effects of flavourzyme addition on physicochemical properties, volatile compound components and microbial community succession of Suanzhayu. <i>International Journal of Food Microbiology</i> , 2020, 334, 108839.	2.1	30
12	The isocitrate dehydrogenase gene of oleaginous yeast <i>Lipomyces starkeyi</i> is linked to lipid accumulation. <i>Canadian Journal of Microbiology</i> , 2009, 55, 1062-1069.	0.8	29
13	Homologous gene targeting of a carotenoids biosynthetic gene in <i>Rhodospiridium toruloides</i> by <i>Agrobacterium</i> -mediated transformation. <i>Biotechnology Letters</i> , 2017, 39, 1001-1007.	1.1	24
14	Characterization the carotenoid productions and profiles of three <i>Rhodospiridium toruloides</i> mutants from <i>Agrobacterium tumefaciens</i> -mediated transformation. <i>Yeast</i> , 2017, 34, 335-342.	0.8	23
15	RNA interference in the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>FEMS Yeast Research</i> , 2019, 19, .	1.1	22
16	Improving the quality of Suancai by inoculating with <i>Lactobacillus plantarum</i> and <i>Pediococcus pentosaceus</i> . <i>Food Research International</i> , 2021, 148, 110581.	2.9	22
17	Expression of phosphotransacetylase in <i>Rhodospiridium toruloides</i> leading to improved cell growth and lipid production. <i>RSC Advances</i> , 2018, 8, 24673-24678.	1.7	21
18	PCR-based strategy for construction of multi-site-saturation mutagenic expression library. <i>Journal of Microbiological Methods</i> , 2007, 71, 225-230.	0.7	20

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19	A metabolomics-based method for studying the effect of yfcC gene in <i>Escherichia coli</i> on metabolism. <i>Analytical Biochemistry</i> , 2014, 451, 48-55.	1.1	20
20	Characterization of the mitochondrial NAD ⁺ -dependent isocitrate dehydrogenase of the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 1095-1105.	1.7	18
21	Moderate fermentation contributes to the formation of typical aroma and good organoleptic properties: A study based on different brands of Chouguiyu. <i>LWT - Food Science and Technology</i> , 2021, 152, 112325.	2.5	15
22	Identification of the orotidine 5-phosphate decarboxylase gene of the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>Yeast</i> , 2008, 25, 623-630.	0.8	14
23	Exchanging the order of carotenogenic genes linked by porcine teschovirus-1 2A peptide enable to optimize carotenoid metabolic pathway in <i>Saccharomyces cerevisiae</i> . <i>RSC Advances</i> , 2018, 8, 34967-34972.	1.7	12
24	Efficient co-expression of multiple enzymes from a single promoter mediated by virus 2A sequence in the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>FEMS Yeast Research</i> , 2018, 18, .	1.1	12
25	Development of an <i>Agrobacterium</i> -Mediated Transformation Method and Evaluation of Two Exogenous Constitutive Promoters in Oleaginous Yeast <i>Lipomyces starkeyi</i> . <i>Applied Biochemistry and Biotechnology</i> , 2017, 183, 867-875.	1.4	11
26	Relationships between the bacterial diversity and metabolites of a Chinese fermented pork product, sour meat. <i>International Journal of Food Science and Technology</i> , 2021, 56, 2742-2750.	1.3	11
27	Moderate papain addition improves the physicochemical, microbiological, flavor and sensorial properties of Chouguiyu, traditional Chinese fermented fish. <i>Food Bioscience</i> , 2022, 46, 101587.	2.0	11
28	Highly efficient colony PCR method for red yeasts and its application to identify mutations within two leucine auxotroph mutants. <i>Yeast</i> , 2012, 29, 467-474.	0.8	10
29	Genetic Engineering Production of Ethyl Carbamate Hydrolase and Its Application in Degrading Ethyl Carbamate in Chinese Liquor. <i>Foods</i> , 2022, 11, 937.	1.9	10
30	High-Quality RNA Preparation from <i>Rhodospiridium toruloides</i> and cDNA Library Construction Therewith. <i>Molecular Biotechnology</i> , 2011, 47, 144-151.	1.3	9
31	Developing a flippase-mediated marker recycling protocol for the oleaginous yeast <i>Rhodospiridium toruloides</i> . <i>Biotechnology Letters</i> , 2018, 40, 933-940.	1.1	9
32	Purification and characterization of a β -1,3-glucomannanase expressed in <i>Pichia pastoris</i> . <i>Enzyme and Microbial Technology</i> , 2011, 49, 223-228.	1.6	8
33	Engineering the Oleaginous Yeast <i>Rhodospiridium toruloides</i> for Improved Resistance Against Inhibitors in Biomass Hydrolysates. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 768934.	2.0	8
34	Efficient gene disruption in <i>Saccharomyces cerevisiae</i> using marker cassettes with long homologous arms prepared by the restriction-free cloning strategy. <i>World Journal of Microbiology and Biotechnology</i> , 2011, 27, 2999-3003.	1.7	7
35	Lipase Addition Promoted the Growth of <i>Proteus</i> and the Formation of Volatile Compounds in Suanzhayu, a Traditional Fermented Fish Product. <i>Foods</i> , 2021, 10, 2529.	1.9	7
36	Inhibition of biogenic amines accumulation during Yucha fermentation by autochthonous <i>Lactobacillus plantarum</i> strains. <i>Journal of Food Processing and Preservation</i> , 2021, 45, e15291.	0.9	6

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37	Expression of VHB Improved Lipid Production in <i>Rhodospiridium toruloides</i> . <i>Energies</i> , 2020, 13, 4446.	1.6	5
38	Effects of salt concentration on the quality of paocai, a fermented vegetable product from <sc>China</sc>. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 6202-6210.	1.7	5
39	Reduction of lipid-accumulation of oleaginous yeast <i>Rhodospiridium toruloides</i> through CRISPR/Cas9-mediated inactivation of lipid droplet structural proteins. <i>FEMS Microbiology Letters</i> , 2021, 368, .	0.7	5
40	Analysis of carotenoid profile changes and carotenogenic genes transcript levels in <i>Rhodospiridium toruloides</i> mutants from an optimized <i>Agrobacterium tumefaciens</i> -mediated transformation method. <i>Biotechnology and Applied Biochemistry</i> , 2021, 68, 71-81.	1.4	4
41	The complete mitochondrial genome of the lipid-producing yeast <i>Rhodotorula toruloides</i> . <i>FEMS Yeast Research</i> , 2020, 20, .	1.1	2
42	Complexation behavior of <i>Auricularia auricula</i> polysaccharide and whey protein isolate: Characterization and potential beverage application. <i>Journal of Food Processing and Preservation</i> , 0, , .	0.9	2
43	Comprehensive metabolite analysis of wheat dough in a continuous heating process. <i>Food Research International</i> , 2022, 153, 110972.	2.9	2
44	Effects of papain, <i>Lactiplantibacillus plantarum</i> and their combinations on bacterial community changes and flavour improvement in <i>Suanzhayu</i> , a Chinese traditional fish. <i>International Journal of Food Science and Technology</i> , 2022, 57, 5366-5375.	1.3	2