Sufang Zhang

List of Publications by Citations

39 papers	791 citations	14 h-index	27 g-index
44 ext. papers	1,103 ext. citations	4.2 avg, IF	3.83 L-index

#	Paper	IF	Citations
39	A multi-omic map of the lipid-producing yeast Rhodosporidium toruloides. *Nature Communications*, **2012**, 3, 1112	17.4	244
38	Functional integration of multiple genes into the genome of the oleaginous yeast Rhodosporidium toruloides. *FEMS Yeast Research*, **2014**, 14, 547-55	3.1	70
37	Dynamics of the lipid droplet proteome of the Oleaginous yeast rhodosporidium toruloides. *Eukaryotic Cell*, **2015**, 14, 252-64		58
36	Systems analysis of phosphate-limitation-induced lipid accumulation by the oleaginous yeast. *Biotechnology for Biofuels*, **2018**, 11, 148	7.8	51
35	Cloning and evaluation of different constitutive promoters in the oleaginous yeast Rhodosporidium toruloides. *Yeast*, **2016**, 33, 99-106	3.4	40
34	Overexpression of Δ12-Fatty Acid Desaturase in the Oleaginous Yeast Rhodosporidium toruloides for Production of Linoleic Acid-Rich Lipids. *Applied Biochemistry and Biotechnology*, **2016**, 180, 1497-1507	2.2	32
33	Rhodosporidium toruloides - A potential red yeast chassis for lipids and beyond. *FEMS Yeast Research*, **2020**, 20,	3.1	30
32	Fast and efficient genetic transformation of oleaginous yeast Rhodosporidium toruloides by using electroporation. *FEMS Yeast Research*, **2017**, 17,	3.1	27
31	The isocitrate dehydrogenase gene of oleaginous yeast Lipomyces starkeyi is linked to lipid accumulation. *Canadian Journal of Microbiology*, **2009**, 55, 1062-9	3.2	23
30	Developing a CRISPR/Cas9 System for Genome Editing in the Basidiomycetous Yeast Rhodosporidium toruloides. *Biotechnology Journal*, **2019**, 14, e1900036	5.6	18
29	A metabolomics-based method for studying the effect of yfcC gene in Escherichia coli on metabolism. *Analytical Biochemistry*, **2014**, 451, 48-55	3.1	16
28	PCR-based strategy for construction of multi-site-saturation mutagenic expression library. *Journal of Microbiological Methods*, **2007**, 71, 225-30	2.8	16
27	Characterization the carotenoid productions and profiles of three Rhodosporidium toruloides mutants from Agrobacterium tumefaciens-mediated transformation. *Yeast*, **2017**, 34, 335-342	3.4	15
26	Homologous gene targeting of a carotenoids biosynthetic gene in Rhodosporidium toruloides by Agrobacterium-mediated transformation. *Biotechnology Letters*, **2017**, 39, 1001-1007	3	14
25	Expression of phosphotransacetylase in leading to improved cell growth and lipid production.. *RSC Advances*, **2018**, 8, 24673-24678	3.7	14
24	Characterization of the mitochondrial NAD+ -dependent isocitrate dehydrogenase of the oleaginous yeast Rhodosporidium toruloides. *Applied Microbiology and Biotechnology*, **2012**, 94, 1095-105	5.7	14
23	Bacterial profiles and volatile flavor compounds in commercial Suancai with varying salt concentration from Northeastern China. *Food Research International*, **2020**, 137, 109384	7	11

22	Identification of the orotidine-5′-monophosphate decarboxylase gene of the oleaginous yeast Rhodosporidium toruloides. *Yeast*, **2008**, 25, 623-30	3.4	10
21	RNA interference in the oleaginous yeast Rhodosporidium toruloides. *FEMS Yeast Research*, **2019**, 19,	3.1	9
20	Development of an Agrobacterium-Mediated Transformation Method and Evaluation of Two Exogenous Constitutive Promoters in Oleaginous Yeast Lipomyces starkeyi. *Applied Biochemistry and Biotechnology*, **2017**, 183, 867-875	3.2	8
19	Developing a flippase-mediated maker recycling protocol for the oleaginous yeast Rhodosporidium toruloides. *Biotechnology Letters*, **2018**, 40, 933-940	3	7
18	Efficient co-expression of multiple enzymes from a single promoter mediated by virus 2A sequence in the oleaginous yeast Rhodosporidium toruloides. *FEMS Yeast Research*, **2018**, 18,	3.1	7
17	Highly-efficient colony PCR method for red yeasts and its application to identify mutations within two leucine auxotroph mutants. *Yeast*, **2012**, 29, 467-74	3.4	7
16	Efficient gene disruption in Saccharomyces cerevisiae using marker cassettes with long homologous arms prepared by the restriction-free cloning strategy. *World Journal of Microbiology and Biotechnology*, **2011**, 27, 2999-3003	4.4	7
15	High-quality RNA preparation from Rhodosporidium toruloides and cDNA library construction therewith. *Molecular Biotechnology*, **2011**, 47, 144-51	3	7
14	Effects of flavourzyme addition on physicochemical properties, volatile compound components and microbial community succession of Suanzhayu. *International Journal of Food Microbiology*, **2020**, 334, 108839	5.8	7
13	Exchanging the order of carotenogenic genes linked by porcine teschovirus-1 2A peptide enable to optimize carotenoid metabolic pathway in .. *RSC Advances*, **2018**, 8, 34967-34972	3.7	6
12	Purification and characterization of a β1,3-glucomannanase expressed in Pichia pastoris. *Enzyme and Microbial Technology*, **2011**, 49, 223-8	3.8	4
11	Expression of VHb Improved Lipid Production in Rhodosporidium toruloides. *Energies*, **2020**, 13, 4446	3.1	3
10	Analysis of carotenoid profile changes and carotenogenic genes transcript levels in Rhodosporidium toruloides mutants from an optimized Agrobacterium tumefaciens-mediated transformation method. *Biotechnology and Applied Biochemistry*, **2021**, 68, 71-81	2.8	3
9	Relationships between the bacterial diversity and metabolites of a Chinese fermented pork product, sour meat. *International Journal of Food Science and Technology*, **2021**, 56, 2742-2750	3.8	3
8	Effects of salt concentration on the quality of paocai, a fermented vegetable product from China. *Journal of the Science of Food and Agriculture*, **2021**, 101, 6202-6210	4.3	2
7	Improving the quality of Suancai by inoculating with Lactobacillus plantarum and Pediococcus pentosaceus. *Food Research International*, **2021**, 148, 110581	7	2
6	The complete mitochondrial genome of the lipid-producing yeast Rhodotorula toruloides. *FEMS Yeast Research*, **2020**, 20,	3.1	1
5	Inhibition of biogenic amines accumulation during Yucha fermentation by autochthonous Lactobacillus plantarum strains. *Journal of Food Processing and Preservation*, **2021**, 45, e15291	2.1	1

4	Moderate fermentation contributes to the formation of typical aroma and good organoleptic properties: A study based on different brands of Chouguiyu. *LWT - Food Science and Technology*, **2021**, 152, 112325	5.4	1
3	Comprehensive metabolite analysis of wheat dough in a continuous heating process.. *Food Research International*, **2022**, 153, 110972	7	0
2	Moderate papain addition improves the physicochemical, microbiological, flavor and sensorial properties of Chouguiyu, traditional Chinese fermented fish. *Food Bioscience*, **2022**, 46, 101587	4.9	0
1	Engineering the Oleaginous Yeast for Improved Resistance Against Inhibitors in Biomass Hydrolysates. *Frontiers in Bioengineering and Biotechnology*, **2021**, 9, 768934	5.8	0