

Dong-Guang Xiao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

110
papers

1,386
citations

20
h-index

31
g-index

123
ext. papers

1,844
ext. citations

4.8
avg, IF

4.74
L-index

#	Paper	IF	Citations
110	Effect of main taste compounds on the release of methoxyphenolic compounds in Pu-erh tea. <i>LWT - Food Science and Technology</i> , 2022 , 160, 113293	5.4	0
109	Engineering to Produce Itaconic Acid From Waste Cooking Oil.. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022 , 10, 888869	5.8	0
108	Enhancing the enzymatic hydrolysis efficiency of lignocellulose assisted by artificial fusion enzyme of swollenin-xylanase. <i>Industrial Crops and Products</i> , 2021 , 173, 114106	5.9	1
107	Fractionation, structural characteristics and immunomodulatory activity of polysaccharide fractions from asparagus (<i>Asparagus officinalis</i> L.) skin. <i>Carbohydrate Polymers</i> , 2021 , 256, 117514	10.3	9
106	Analysis of the molecular basis of <i>Saccharomyces cerevisiae</i> mutant with high nucleic acid content by comparative transcriptomics. <i>Food Research International</i> , 2021 , 142, 110188	7	1
105	Uncoupling glucose sensing from GAL metabolism for heterologous lactose fermentation in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2021 , 43, 1607-1616	3	2
104	Gene, the GATA Transcription Activator, Regulates the Production of Higher Alcohol during Wheat Beer Fermentation by. <i>Bioengineering</i> , 2021 , 8,	5.3	1
103	Comparative transcriptome analysis reveals the key regulatory genes for higher alcohol formation by yeast at different amino nitrogen concentrations. <i>Food Microbiology</i> , 2021 , 95, 103713	6	6
102	Enhancement of C6-10 fatty acid ethyl esters production in <i>Saccharomyces cerevisiae</i> CA by metabolic engineering. <i>LWT - Food Science and Technology</i> , 2021 , 145, 111496	5.4	2
101	Structural characterization and immunomodulatory activity of mycelium polysaccharide from liquid fermentation of <i>Monascus purpureus</i> (Hong Qu). <i>Carbohydrate Polymers</i> , 2021 , 262, 117945	10.3	2
100	Identification of Core Regulatory Genes and Metabolic Pathways for the -Propanol Synthesis in. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 1637-1646	5.7	3
99	Metabolic Engineering of for Ethyl Acetate Biosynthesis. <i>ACS Synthetic Biology</i> , 2021 , 10, 495-504	5.7	2
98	High-efficiency production of bisabolene from waste cooking oil by metabolically engineered <i>Yarrowia lipolytica</i> . <i>Microbial Biotechnology</i> , 2021 , 14, 2497-2513	6.3	8
97	Simultaneous Improvement of Limonene Production and Tolerance in through Tolerance Engineering and Evolutionary Engineering. <i>ACS Synthetic Biology</i> , 2021 , 10, 884-896	5.7	12
96	Hybrid promoter engineering strategies in <i>Yarrowia lipolytica</i> : isoamyl alcohol production as a test study. <i>Biotechnology for Biofuels</i> , 2021 , 14, 149	7.8	6
95	Metabolic engineering of microbes for monoterpene production. <i>Biotechnology Advances</i> , 2021 , 53, 107837	17.8	4
94	Effect of the Deletion of Genes Related to Amino Acid Metabolism on the Production of Higher Alcohols by. <i>BioMed Research International</i> , 2020 , 2020, 6802512	3	1

93	Sustainable production of FAEE biodiesel using the oleaginous yeast <i>Yarrowia lipolytica</i> . <i>MicrobiologyOpen</i> , 2020 , 9, e1051	3.4	10
92	Production of low-alcohol Huangjiu with improved acidity and reduced levels of higher alcohols by fermentation with scarless ALD6 overexpression yeast. <i>Food Chemistry</i> , 2020 , 321, 126691	8.5	4
91	Engineering <i>Saccharomyces cerevisiae</i> for production of the valuable monoterpene d-limonene during Chinese Baijiu fermentation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020 , 47, 511-523	4.3	12
90	Biosynthetic Pathway for Ethyl Butyrate Production in. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 4252-4260	5.7	5
89	Effect of ILV2 deletion and ILV3 or/and ILV5 overexpression in <i>Saccharomyces uvarum</i> on diacetyl and higher alcohols metabolism during wine fermentation. <i>European Food Research and Technology</i> , 2020 , 246, 563-572	3.4	1
88	Sensory and instrumental analysis-guided exploration of odor-active compounds recovery with oil during the water-boiling extraction of Pu-erh tea. <i>Food Research International</i> , 2020 , 134, 109243	7	7
87	Increasing Yield of 2,3,5,6-Tetramethylpyrazine in Baijiu Through Metabolic Engineering. <i>Frontiers in Microbiology</i> , 2020 , 11, 596306	5.7	4
86	Improve the production of D-limonene by regulating the mevalonate pathway of <i>Saccharomyces cerevisiae</i> during alcoholic beverage fermentation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2020 , 47, 1083-1097	4.2	8
85	Enhanced Production of Ethyl Lactate in by Genetic Modification. <i>Journal of Agricultural and Food Chemistry</i> , 2020 , 68, 13863-13870	5.7	5
84	Increased RNA production in <i>Saccharomyces cerevisiae</i> by simultaneously overexpressing FHL1, IFH1, and SSF2 and deleting HRP1. <i>Applied Microbiology and Biotechnology</i> , 2020 , 104, 7901-7913	5.7	0
83	Next-generation metabolic engineering of non-conventional microbial cell factories for carboxylic acid platform chemicals. <i>Biotechnology Advances</i> , 2020 , 43, 107605	17.8	7
82	A Seamless Gene Deletion Method and Its Application for Regulation of Higher Alcohols and Ester in Baijiu. <i>BioMed Research International</i> , 2019 , 2019, 6723849	3	1
81	Construction of industrial baker's yeast with high level of cAMP. <i>Journal of Food Biochemistry</i> , 2019 , 43, e12846	3.3	2
80	Directed evolution of α -amylase from <i>Bacillus licheniformis</i> to enhance its acid-stable performance. <i>Biologia (Poland)</i> , 2019 , 74, 1363-1372	1.5	4
79	Identification by comparative transcriptomics of core regulatory genes for higher alcohol production in a top-fermenting yeast at different temperatures in beer fermentation. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 4917-4929	5.7	9
78	Modulating acetate ester and higher alcohol production in <i>Saccharomyces cerevisiae</i> through the cofactor engineering. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 1003-1011	4.2	5
77	The effect of pitching rate on the production of higher alcohols by top-fermenting yeast in wheat beer fermentation. <i>Annals of Microbiology</i> , 2019 , 69, 713-726	3.2	2
76	Regulating the Golgi apparatus sorting of proteinase A to decrease its excretion in <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 601-612	4.2	2

75	Characterization of the volatile and sensory profile of instant Pu-erh tea using GC-MS and descriptive sensory analysis. <i>Microchemical Journal</i> , 2019 , 146, 986-996	4.8	23
74	Optimization of an Aqueous Two-Phase System for the Determination of Trace Ethyl Carbamate in Red Wine. <i>Journal of Food Protection</i> , 2019 , 82, 1377-1383	2.5	4
73	Engineering the oleaginous yeast to produce limonene from waste cooking oil. <i>Biotechnology for Biofuels</i> , 2019 , 12, 241	7.8	44
72	Increased Acetate Ester Production of Polyploid Industrial Brewer's Yeast Strains via Precise and Seamless "Self-cloning" Integration Strategy. <i>Iranian Journal of Biotechnology</i> , 2019 , 17, e1990	1	3
71	Increase ethyl acetate production in <i>Saccharomyces cerevisiae</i> by genetic engineering of ethyl acetate metabolic pathway. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2019 , 46, 801-808	4.2	12
70	Overexpression of different alcohol acetyltransferase genes with BAT2 deletion in <i>Saccharomyces cerevisiae</i> affects acetate esters and higher alcohols. <i>European Food Research and Technology</i> , 2018 , 244, 555-564	3.4	5
69	Genetic engineering to alter carbon flux for various higher alcohol productions by <i>Saccharomyces cerevisiae</i> for Chinese Baijiu fermentation. <i>Applied Microbiology and Biotechnology</i> , 2018 , 102, 1783-1795	5.7	24
68	Gradual enhancement of ethyl acetate production through promoter engineering in chinese liquor yeast strains. <i>Biotechnology Progress</i> , 2018 , 34, 328-336	2.8	4
67	Optimization of sodium percarbonate pretreatment for improving 2,3-butanediol production from corncob. <i>Preparative Biochemistry and Biotechnology</i> , 2018 , 48, 218-225	2.4	5
66	Effect of β -mannanase domain from <i>Trichoderma reesei</i> on its biochemical characters and synergistic hydrolysis of sugarcane bagasse. <i>Journal of the Science of Food and Agriculture</i> , 2018 , 98, 2540-2547	4.3	7
65	Review in Metabolic Modulation of Higher Alcohols in Top-Fermenting Yeast. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 767-773	0.2	1
64	Effect of ILV6 Deletion and Expression of aldB from <i>Lactobacillus plantarum</i> in <i>Saccharomyces uvarum</i> on Diacetyl Production and Wine Flavor. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 8556-8565	5.7	7
63	Heterologous expression of <i>Spathaspora passalidarum</i> xylose reductase and xylitol dehydrogenase genes improved xylose fermentation ability of <i>Aureobasidium pullulans</i> . <i>Microbial Cell Factories</i> , 2018 , 17, 64	6.4	8
62	Effects of ATF2 Overexpression with BAT2 Deletion on the Higher Alcohols and Esters in Beer Yeast. <i>Lecture Notes in Electrical Engineering</i> , 2018 , 79-87	0.2	
61	Metabolic engineering of the thermophilic filamentous fungus to produce fumaric acid. <i>Biotechnology for Biofuels</i> , 2018 , 11, 323	7.8	24
60	An oleaginous yeast platform for renewable 1-butanol synthesis based on a heterologous CoA-dependent pathway and an endogenous pathway. <i>Microbial Cell Factories</i> , 2018 , 17, 166	6.4	8
59	PGK1 Promoter Library for the Regulation of Acetate Ester Production in <i>Saccharomyces cerevisiae</i> during Chinese Baijiu Fermentation. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7417-7427	5.7	8
58	Overexpression of SNF4 and deletions of REG1- and REG2-enhanced maltose metabolism and leavening ability of baker's yeast in lean dough. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2018 , 45, 827-838	4.2	4

57	Evaluation and Optimization of a Superior Extraction Method for the Characterization of the Volatile Profile of Black Tea by HS-SPME/GC-MS. <i>Food Analytical Methods</i> , 2017 , 10, 2481-2489	3.4	8
56	Regulation of <i>Saccharomyces cerevisiae</i> genetic engineering on the production of acetate esters and higher alcohols during Chinese Baijiu fermentation. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 949-960	4.2	30
55	Reduced production of diacetyl by overexpressing BDH2 gene and ILV5 gene in yeast of the lager brewers with one ILV2 allelic gene deleted. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 397-405	4.2	8
54	Efficient utilization of hemicellulose and cellulose in alkali liquor-pretreated corncob for bioethanol production at high solid loading by <i>Spathaspora passalidarum</i> U1-58. <i>Bioresource Technology</i> , 2017 , 232, 168-175	11	29
53	Regulation of the Hippo-YAP Pathway by Glucose Sensor O-GlcNAcylation. <i>Molecular Cell</i> , 2017 , 68, 591-606	6.5	124
52	Efficient crude multi-enzyme produced by using corncob for hydrolysis of lignocellulose. <i>3 Biotech</i> , 2017 , 7, 339	2.8	4
51	Functional analysis of the global repressor Tup1 for maltose metabolism in <i>Saccharomyces cerevisiae</i> : different roles of the functional domains. <i>Microbial Cell Factories</i> , 2017 , 16, 194	6.4	6
50	Discovering the role of the apolipoprotein gene and the genes in the putative pullulan biosynthesis pathway on the synthesis of pullulan, heavy oil and melanin in <i>Aureobasidium pullulans</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 34, 11	4.4	2
49	Reducing diacetyl production of wine by overexpressing BDH1 and BDH2 in <i>Saccharomyces uvarum</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 1541-1550	4.2	8
48	Reduced Production of Higher Alcohols by <i>Saccharomyces cerevisiae</i> in Red Wine Fermentation by Simultaneously Overexpressing BAT1 and Deleting BAT2. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 6936-6942	5.7	26
47	<i>Saccharomyces cerevisiae</i> proteinase A excretion and wine making. <i>World Journal of Microbiology and Biotechnology</i> , 2017 , 33, 210	4.4	9
46	A comparative study of volatile components in Dianhong teas from fresh leaves of four tea cultivars by using chromatography-mass spectrometry, multivariate data analysis, and descriptive sensory analysis. <i>Food Research International</i> , 2017 , 100, 267-275	7	36
45	Decreased proteinase A excretion by strengthening its vacuolar sorting and weakening its constitutive secretion in <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017 , 44, 149-159	4.2	7
44	Isolation and structural analysis of hemicellulose from corncobs after a delignification pretreatment. <i>Analytical Methods</i> , 2016 , 8, 7500-7506	3.2	9
43	Improved ethyl caproate production of Chinese liquor yeast by overexpressing fatty acid synthesis genes with OPI1 deletion. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 1261-70	4.2	12
42	MAL62 overexpression and NTH1 deletion enhance the freezing tolerance and fermentation capacity of the baker's yeast in lean dough. <i>Microbial Cell Factories</i> , 2016 , 15, 54	6.4	13
41	Determination of phthalate esters in teas and tea infusions by gas chromatography-mass spectrometry. <i>Food Chemistry</i> , 2016 , 197 Pt B, 1200-6	8.5	46
40	Enhanced production of tetramethylpyrazine in <i>Bacillus licheniformis</i> BL1 by bdhA disruption and 2,3-butanediol supplementation. <i>World Journal of Microbiology and Biotechnology</i> , 2016 , 32, 46	4.4	11

39	Reduced production of ethyl carbamate for wine fermentation by deleting CAR1 in <i>Saccharomyces cerevisiae</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 671-9	4.2	20
38	Diacetyl content reduction in industrial brewer's yeast through ILV2 disruption and BDH1 expression. <i>European Food Research and Technology</i> , 2016 , 242, 919-926	3.4	7
37	Improving isobutanol production in metabolically engineered <i>Escherichia coli</i> by co-producing ethanol and modulation of pentose phosphate pathway. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 851-60	4.2	6
36	Improving freeze-tolerance of baker's yeast through seamless gene deletion of NTH1 and PUT1. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016 , 43, 817-28	4.2	12
35	Construction of self-cloning industrial brewer's yeast with SOD1 gene insertion into PEP4 prosequence locus by homologous recombination. <i>Journal of the Institute of Brewing</i> , 2016 , 122, 322-328		1
34	Enhanced leavening properties of baker's yeast by reducing sucrase activity in sweet dough. <i>Applied Microbiology and Biotechnology</i> , 2016 , 100, 6375-6383	5.7	8
33	Improving Erythritol Production of <i>Aureobasidium pullulans</i> from Xylose by Mutagenesis and Medium Optimization. <i>Applied Biochemistry and Biotechnology</i> , 2016 , 180, 717-727	3.2	22
32	Effects of GLC7 and REG1 deletion on maltose metabolism and leavening ability of baker's yeast in lean dough. <i>Journal of Biotechnology</i> , 2015 , 209, 1-6	3.7	5
31	Decreased production of higher alcohols by <i>Saccharomyces cerevisiae</i> for Chinese rice wine fermentation by deletion of Bat aminotransferases. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015 , 42, 617-25	4.2	25
30	Enhanced leavening ability of baker's yeast by overexpression of SNR84 with PGM2 deletion. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2015 , 42, 939-48	4.2	5
29	Effects of MAL61 and MAL62 overexpression on maltose fermentation of baker's yeast in lean dough. <i>World Journal of Microbiology and Biotechnology</i> , 2015 , 31, 1241-9	4.4	12
28	Effects of SNF1 on Maltose Metabolism and Leavening Ability of Baker's Yeast in Lean Dough. <i>Journal of Food Science</i> , 2015 , 80, M2879-85	3.4	14
27	A genetic transformation protocol for the xylose-fermenting yeast <i>Spathaspora passalidarum</i> . <i>Engineering in Life Sciences</i> , 2015 , 15, 550-555	3.4	6
26	Determination of Phthalate Esters in Tea by Gas Chromatography/Mass Spectrometry. <i>Lecture Notes in Electrical Engineering</i> , 2015 , 305-315	0.2	1
25	Metabolic engineering of <i>Bacillus subtilis</i> to enhance the production of tetramethylpyrazine. <i>Biotechnology Letters</i> , 2015 , 37, 2475-80	3	8
24	Improvement of stress tolerance and leavening ability under multiple baking-associated stress conditions by overexpression of the SNR84 gene in baker's yeast. <i>International Journal of Food Microbiology</i> , 2015 , 197, 15-21	5.8	8
23	Optimization and evaluation of alkaline potassium permanganate pretreatment of corncob. <i>Bioresource Technology</i> , 2015 , 180, 1-6	11	52
22	Reduction of biogenic amines production by eliminating the PEP4 gene in <i>Saccharomyces cerevisiae</i> during fermentation of Chinese rice wine. <i>Food Chemistry</i> , 2015 , 178, 208-11	8.5	11

21	Analysis of volatile compounds in Chinese Laobaigan liquor using headspace solid-phase microextraction coupled with GC-MS. <i>Analytical Methods</i> , 2015 , 7, 1906-1913	3.2	20
20	Enhanced ethyl caproate production of Chinese liquor yeast by overexpressing EHT1 with deleted FAA1. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 563-72	4.2	27
19	Characterization of volatile compounds of pu-erh tea using solid-phase microextraction and simultaneous distillation-extraction coupled with gas chromatography-mass spectrometry. <i>Food Research International</i> , 2014 , 57, 61-70	7	83
18	Effects of MIG1, TUP1 and SSN6 deletion on maltose metabolism and leavening ability of baker's yeast in lean dough. <i>Microbial Cell Factories</i> , 2014 , 13, 93	6.4	18
17	Enhanced freeze tolerance of baker's yeast by overexpressed trehalose-6-phosphate synthase gene (TPS1) and deleted trehalase genes in frozen dough. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1275-85	4.2	11
16	Production of pullulan from xylose and hemicellulose hydrolysate by <i>Aureobasidium pullulans</i> AY82 with pH control and DL-dithiothreitol addition. <i>Biotechnology and Bioprocess Engineering</i> , 2014 , 19, 282-288	3.1	32
15	Enhanced production of 2,3-butanediol by overexpressing acetolactate synthase and acetoin reductase in <i>Klebsiella pneumoniae</i> . <i>Biotechnology and Applied Biochemistry</i> , 2014 , 61, 707-15	2.8	16
14	Enhanced acetate ester production of Chinese liquor yeast by overexpressing ATF1 through precise and seamless insertion of PGK1 promoter. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1823-8	4.2	7
13	Effect of Proteinase A Propeptide Deletion on its Enzyme Activity in <i>Saccharomyces cerevisiae</i> . <i>Lecture Notes in Electrical Engineering</i> , 2014 , 1459-1467	0.2	
12	Increased esters and decreased higher alcohols production by engineered brewer's yeast strains. <i>European Food Research and Technology</i> , 2013 , 236, 1009-1014	3.4	32
11	A rapid and efficient one-step site-directed deletion, insertion, and substitution mutagenesis protocol. <i>Analytical Biochemistry</i> , 2013 , 434, 254-8	3.1	15
10	A two-step integration method for seamless gene deletion in baker's yeast. <i>Analytical Biochemistry</i> , 2013 , 439, 30-6	3.1	9
9	Optimization of headspace solid-phase microextraction coupled with gas chromatography-mass spectrometry for detecting methoxyphenolic compounds in pu-erh tea. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 561-8	5.7	48
8	Isolation and Characterization of a Marine Microalga for Biofuel Production with Astaxanthin as a Co-Product. <i>Energies</i> , 2013 , 6, 2759-2772	3.1	25
7	Effects of overexpression of the alcohol acetyltransferase-encoding gene ATF1 and disruption of the esterase-encoding gene IAH1 on the flavour profiles of Chinese yellow rice wine. <i>International Journal of Food Science and Technology</i> , 2012 , 47, 2590-2596	3.8	16
6	Construction of recombinant industrial brewer's yeast with lower diacetyl production and proteinase A activity. <i>European Food Research and Technology</i> , 2012 , 235, 951-961	3.4	27
5	Enhanced leavening properties of baker's yeast overexpressing MAL62 with deletion of MIG1 in lean dough. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2012 , 39, 1533-9	4.2	16
4	Influence of nutrients on proteinase A activity in draft beer during fermentation. <i>International Journal of Food Science and Technology</i> , 2010 , 45, 1169-1174	3.8	10

3	Influence of Trehalose Accumulation on Response to Freeze Stress in Baker's Yeast. <i>International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010,</i>		1
2	Chloride channel-dependent copper acquisition of laccase in the basidiomycetous fungus <i>Cryptococcus neoformans</i> . <i>Science China Life Sciences, 2010, 53, 125-130</i>	8.5	5
1	Characterisation of maltose metabolism in lean dough by lagging and non-lagging baker's yeast strains. <i>Annals of Microbiology, 2008, 58, 655-660</i>	3.2	15