

# Xuewu Guo

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

701  
citations

567144

15  
h-index

610775

24  
g-index

48  
all docs

48  
docs citations

48  
times ranked

811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the inactivation of lactate dehydrogenase, ethanol dehydrogenase, and phosphotransacetylase on 2,3-butanediol production in <i>Klebsiella pneumoniae</i> strain. <i>Biotechnology for Biofuels</i> , 2014, 7, 44.	6.2	67
2	Improved Ethanol Production by Mixed Immobilized Cells of <i>Kluyveromyces marxianus</i> and <i>Saccharomyces cerevisiae</i> from Cheese Whey Powder Solution Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 532-538.	1.4	43
3	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.	4.8	38
4	Enhanced ethyl caproate production of Chinese liquor yeast by overexpressing <i>EHT1</i> with deleted <i>FAA1</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 563-572.	1.4	37
5	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.	1.4	36
6	Engineering Microbial Consortia for High-Performance Cellulosic Hydrolyzates-Fed Microbial Fuel Cells. <i>Frontiers in Microbiology</i> , 2019, 10, 409.	1.5	36
7	Synthetic <i>Klebsiella pneumoniae</i> – <i>Shewanella oneidensis</i> Consortium Enables Glycerol-Fed High-Performance Microbial Fuel Cells. <i>Biotechnology Journal</i> , 2018, 13, e1700491.	1.8	30
8	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.	1.4	29
9	Development of <i>Saccharomyces cerevisiae</i> Producing Higher Levels of Sulfur Dioxide and Glutathione to Improve Beer Flavor Stability. <i>Applied Biochemistry and Biotechnology</i> , 2012, 166, 402-413.	1.4	28
10	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.	1.6	27
11	Construction of lactose-consuming <i>Saccharomyces cerevisiae</i> for lactose fermentation into ethanol fuel. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2013, 40, 353-363.	1.4	23
12	Reduction of biogenic amines production by eliminating the <i>PEP4</i> gene in <i>Saccharomyces cerevisiae</i> during fermentation of Chinese rice wine. <i>Food Chemistry</i> , 2015, 178, 208-211.	4.2	19
13	Improved ethyl caproate production of Chinese liquor yeast by overexpressing fatty acid synthesis genes with <i>OPI1</i> deletion. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2016, 43, 1261-1270.	1.4	19
14	Efficient production of 2,3-butanediol from cheese whey powder (CWP) solution by <i>Klebsiella pneumoniae</i> through integrating pulsed fed-batch fermentation with a two-stage pH control strategy. <i>Fuel</i> , 2017, 203, 469-477.	3.4	19
15	A rapid and efficient one-step site-directed deletion, insertion, and substitution mutagenesis protocol. <i>Analytical Biochemistry</i> , 2013, 434, 254-258.	1.1	18
16	Biosynthetic Pathway for Ethyl Butyrate Production in <i>Saccharomyces cerevisiae</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 4252-4260.	2.4	17
17	Effects of Soya Fatty Acids on Cassava Ethanol Fermentation. <i>Applied Biochemistry and Biotechnology</i> , 2010, 160, 410-420.	1.4	16
18	Metabolic Engineering of <i>Saccharomyces cerevisiae</i> for Ethyl Acetate Biosynthesis. <i>ACS Synthetic Biology</i> , 2021, 10, 495-504.	1.9	16

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19	Reduced production of diacetyl by overexpressing <i>BDH2</i> gene and <i>ILV5</i> gene in yeast of the lager brewers with one <i>ILV2</i> allelic gene deleted. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 397-405.	1.4	14
20	<i>Saccharomyces cerevisiae</i> proteinase A excretion and wine making. <i>World Journal of Microbiology and Biotechnology</i> , 2017, 33, 210.	1.7	14
21	Production of low-alcohol Huangjiu with improved acidity and reduced levels of higher alcohols by fermentation with scarless <i>ALD6</i> overexpression yeast. <i>Food Chemistry</i> , 2020, 321, 126691.	4.2	14
22	Reducing diacetyl production of wine by overexpressing <i>BDH1</i> and <i>BDH2</i> in <i>Saccharomyces uvarum</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2017, 44, 1541-1550.	1.4	13
23	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.	1.9	13
24	Development of a one-step gene knock-out and knock-in method for metabolic engineering of <i>Aureobasidium pullulans</i> . <i>Journal of Biotechnology</i> , 2017, 251, 145-150.	1.9	12
25	Effect of <i>ILV6</i> Deletion and Expression of <i>aldB</i> 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.	2.4	12
26	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.	1.4	11
27	Enhancement of C6-C10 fatty acid ethyl esters production in <i>Saccharomyces cerevisiae</i> CA by metabolic engineering. <i>LWT - Food Science and Technology</i> , 2021, 145, 111496.	2.5	10
28	Intergeneric yeast fusants with efficient ethanol production from cheese whey powder solution: Construction of a <i>Kluyveromyces marxianus</i> and <i>Saccharomyces cerevisiae</i> AY hybrid. <i>Engineering in Life Sciences</i> , 2012, 12, 656-661.	2.0	9
29	Enhanced acetate ester production of Chinese liquor yeast by overexpressing <i>ATF1</i> through precise and seamless insertion of <i>PGK1</i> promoter. <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014, 41, 1823-1828.	1.4	7
30	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.	2.9	7
31	Uncoupling glucose sensing from GAL metabolism for heterologous lactose fermentation in <i>Saccharomyces cerevisiae</i> . <i>Biotechnology Letters</i> , 2021, 43, 1607-1616.	1.1	7
32	A genetic transformation protocol for the xylose-fermenting yeast <i>Spathaspora passalidarum</i> . <i>Engineering in Life Sciences</i> , 2015, 15, 550-555.	2.0	6
33	Production of 2,3-butanediol by <i>Enterobacter cloacae</i> from corn-cob-derived xylose. <i>Turkish Journal of Biology</i> , 2016, 40, 856-865.	2.1	6
34	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> , 2018, 34, 11.	1.7	5
35	Effect of the Deletion of Genes Related to Amino Acid Metabolism on the Production of Higher Alcohols by <i>Saccharomyces cerevisiae</i> . <i>BioMed Research International</i> , 2020, 2020, 1-12.	0.9	5
36	Increased RNA production in <i>Saccharomyces cerevisiae</i> by simultaneously overexpressing <i>FHL1</i> , <i>IFH1</i> , and <i>SSF2</i> and deleting <i>HRP1</i> . <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 7901-7913.	1.7	4

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37	Enhanced enzymatic xylose/cellulose fractionation from alkaline liquor-pretreated corn cob by surfactant addition and separate fermentation to bioethanol. Turkish Journal of Biology, 2014, 38, 478-484.	2.1	3
38	Regulating the Golgi apparatus sorting of proteinase A to decrease its excretion in <i>Saccharomyces cerevisiae</i> . Journal of Industrial Microbiology and Biotechnology, 2019, 46, 601-612.	1.4	3
39	Optimization of Culture Conditions for Production of Astaxanthin by <i>Phaffia rhodozyma</i> . International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	2
40	Effect of MIG1 Gene Deletion on Lactose Utilization in Lac+ <i>Saccharomyces cerevisiae</i> Engineering Strains. Lecture Notes in Electrical Engineering, 2015, , 143-151.	0.3	2
41	Isolation of One <i>S. cerevisiae</i> BY-14 Mutant BL-23 with High-Yield Production of Glutathione by Ion Implantation. International Conference on Bioinformatics and Biomedical Engineering: [proceedings] International Conference on Bioinformatics and Biomedical Engineering, 2010, , .	0.0	0
42	Notice of Retraction: Optimization the Protoplast Formation and Regeneration Conditions of <i>Kluyveromyces marxianus</i> and <i>Saccharomyces cerevisiae</i> . , 2011, , .		0
43	Research on the dilute acid hydrolysis of corncob and the fermentation of 2,3-butanediol. , 2013, , .		0
44	Increasing Galactose Utilized Ability of <i>Saccharomyces cerevisiae</i> Through Gene Engineering. Lecture Notes in Electrical Engineering, 2014, , 213-219.	0.3	0
45	Improved Lactose Utilization by Overexpression $\beta$ -Galactosidase and Lactose Permease in <i>Klebsiella pneumoniae</i> . Lecture Notes in Electrical Engineering, 2015, , 121-131.	0.3	0