

# Gong-Yuan Wei

## List of Publications by Citations

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40  
papers

889  
citations

15  
h-index

29  
g-index

43  
ext. papers

1,033  
ext. citations

5.3  
avg. IF

4.18  
L-index

#	Paper	IF	Citations
40	Glutathione: a review on biotechnological production. <i>Applied Microbiology and Biotechnology</i> , <b>2004</b> , 66, 233-42	5.7	225
39	Effect of surfactants on extracellular accumulation of glutathione by <i>Saccharomyces cerevisiae</i> . <i>Process Biochemistry</i> , <b>2003</b> , 38, 1133-1138	4.8	66
38	Metabolic engineering and synthetic biology approaches driving isoprenoid production in <i>Escherichia coli</i> . <i>Bioresource Technology</i> , <b>2017</b> , 241, 430-438	11	47
37	Efficient production of pullulan using rice hull hydrolysate by adaptive laboratory evolution of <i>Aureobasidium pullulans</i> . <i>Bioresource Technology</i> , <b>2014</b> , 164, 12-9	11	46
36	Microbial Platform for Terpenoid Production: and Yeast. <i>Frontiers in Microbiology</i> , <b>2018</b> , 9, 2460	5.7	41
35	Pretreatment and saccharification of rice hulls for the production of fermentable sugars. <i>Biotechnology and Bioprocess Engineering</i> , <b>2009</b> , 14, 828-834	3.1	39
34	Enhanced co-production of S-adenosylmethionine and glutathione by an ATP-oriented amino acid addition strategy. <i>Bioresource Technology</i> , <b>2012</b> , 107, 19-24	11	35
33	Media optimization for elevated molecular weight and mass production of pigment-free pullulan. <i>Carbohydrate Polymers</i> , <b>2012</b> , 89, 928-34	10.3	35
32	Challenges and tackles in metabolic engineering for microbial production of carotenoids. <i>Microbial Cell Factories</i> , <b>2019</b> , 18, 55	6.4	28
31	Improved co-production of S-adenosylmethionine and glutathione using citrate as an auxiliary energy substrate. <i>Bioresource Technology</i> , <b>2013</b> , 131, 28-32	11	28
30	Pullulan production and physiological characteristics of <i>Aureobasidium pullulans</i> under acid stress. <i>Applied Microbiology and Biotechnology</i> , <b>2013</b> , 97, 8069-77	5.7	26
29	Kinetic study on the pretreatment and enzymatic saccharification of rice hull for the production of fermentable sugars. <i>Applied Biochemistry and Biotechnology</i> , <b>2010</b> , 162, 1471-82	3.2	25
28	The mechanism of improved pullulan production by nitrogen limitation in batch culture of <i>Aureobasidium pullulans</i> . <i>Carbohydrate Polymers</i> , <b>2015</b> , 127, 325-31	10.3	24
27	Application of a two-stage temperature control strategy for enhanced glutathione production in the batch fermentation by <i>Candida utilis</i> . <i>Biotechnology Letters</i> , <b>2003</b> , 25, 887-90	3	23
26	Enhanced intracellular glutathione synthesis and excretion capability of <i>Candida utilis</i> by using a low pH-stress strategy. <i>Letters in Applied Microbiology</i> , <b>2005</b> , 40, 378-84	2.9	16
25	Simultaneously enhanced production and molecular weight of pullulan using a two-stage agitation speed control strategy. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2016</b> , 91, 467-475	3.5	15
24	Selenium-enriched <i>Candida utilis</i> : Efficient preparation with l-methionine and antioxidant capacity in rats. <i>Journal of Trace Elements in Medicine and Biology</i> , <b>2013</b> , 27, 7-11	4.1	14

23	Efficient pullulan production by bioconversion using <i>Aureobasidium pullulans</i> as the whole-cell catalyst. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 211-20	5.7	13
22	Overproduction of glutathione by l-cysteine addition and a temperature-shift strategy. <i>Biotechnology and Bioprocess Engineering</i> , <b>2008</b> , 13, 347-353	3.1	12
21	Sodium chloride improves pullulan production by <i>Aureobasidium pullulans</i> but reduces the molecular weight of pullulan. <i>Applied Microbiology and Biotechnology</i> , <b>2018</b> , 102, 8921-8930	5.7	11
20	Transcriptome analysis reveals the mechanism underlying improved glutathione biosynthesis and secretion in <i>Candida utilis</i> during selenium enrichment. <i>Journal of Biotechnology</i> , <b>2019</b> , 304, 89-96	3.7	10
19	Effects of nitrogen source and carbon/nitrogen ratio on batch fermentation of glutathione by <i>Candida utilis</i> . <i>Korean Journal of Chemical Engineering</i> , <b>2010</b> , 27, 551-559	2.8	10
18	Extension of cell membrane boosting squalene production in the engineered <i>Escherichia coli</i> . <i>Biotechnology and Bioengineering</i> , <b>2020</b> , 117, 3499-3507	4.9	10
17	Glutathione is involved in physiological response of <i>Candida utilis</i> to acid stress. <i>Applied Microbiology and Biotechnology</i> , <b>2015</b> , 99, 10669-79	5.7	9
16	Improved S-adenosylmethionine and glutathione biosynthesis by heterologous expression of an ATP6 gene in <i>Candida utilis</i> . <i>Journal of Basic Microbiology</i> , <b>2018</b> , 58, 875-882	2.7	9
15	Efficient co-production of S-adenosylmethionine and glutathione by <i>Candida utilis</i> : effect of dissolved oxygen on enzyme activity and energy supply. <i>Journal of Chemical Technology and Biotechnology</i> , <b>2017</b> , 92, 2150-2158	3.5	8
14	The mechanism of improved intracellular organic selenium and glutathione contents in selenium-enriched <i>Candida utilis</i> by acid stress. <i>Applied Microbiology and Biotechnology</i> , <b>2017</b> , 101, 2131-2141	5.7	8
13	Efficient preparation of selenium/glutathione-enriched <i>Candida utilis</i> and its biological effects on rats. <i>Biological Trace Element Research</i> , <b>2012</b> , 150, 249-57	4.5	8
12	A novel strategy on the high-cell-density cultivation of <i>Candida utilis</i> for the enhanced production of glutathione. <i>Korean Journal of Chemical Engineering</i> , <b>2010</b> , 27, 1246-1251	2.8	8
11	Screening of <i>Candida utilis</i> and medium optimization for co-production of S-adenosylmethionine and glutathione. <i>Korean Journal of Chemical Engineering</i> , <b>2010</b> , 27, 1847-1853	2.8	8
10	Copper sulfate improves pullulan production by bioconversion using whole cells of <i>Aureobasidium pullulans</i> as the catalyst. <i>Carbohydrate Polymers</i> , <b>2016</b> , 150, 209-15	10.3	8
9	Disruption of <i>por1</i> gene in <i>Candida utilis</i> improves co-production of S-adenosylmethionine and glutathione. <i>Journal of Biotechnology</i> , <b>2019</b> , 290, 16-23	3.7	6
8	Enhanced $\beta$ -glucan and pullulan production by <i>Aureobasidium pullulans</i> with zinc sulfate supplementation. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 1751-1760	5.7	4
7	Efficient pullulan production by <i>Aureobasidium pullulans</i> using cost-effective substrates. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 186, 544-553	7.9	3
6	Triton X-100 improves co-production of $\beta$ -D-glucan and pullulan by <i>Aureobasidium pullulans</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 10685-10696	5.7	2

5	Efficient production of glutathione using hydrolyzate of banana peel as novel substrate. <i>Korean Journal of Chemical Engineering</i> , <b>2011</b> , 28, 1566-1572	2.8	2
4	Regulatory molecule cAMP changes cell fitness of the engineered <i>Escherichia coli</i> for terpenoids production. <i>Metabolic Engineering</i> , <b>2021</b> , 65, 178-184	9.7	2
3	Improved Antioxidant Capacity and Immune Function of Broiler Chickens Fed with Selenium-enriched <i>Candida utilis</i> . <i>Brazilian Journal of Poultry Science</i> , <b>2020</b> , 22,	1.3	1
2	Metabolic flux and transcriptome analyses provide insights into the mechanism underlying zinc sulfate improved $\beta$ ,3-D-glucan production by <i>Aureobasidium pullulans</i> . <i>International Journal of Biological Macromolecules</i> , <b>2020</b> , 164, 140-148	7.9	1
1	Improved production of $\beta$ glucan by a T-DNA-based mutant of <i>Aureobasidium pullulans</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2021</b> , 105, 6887-6898	5.7	1