Gong-Yuan Wei

List of Publications by Year in Descending Order

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	Regulatory molecule cAMP changes cell fitness of the engineered Escherichia coli for terpenoids production. *Metabolic Engineering*, **2021**, 65, 178-184	9.7	2
39	Improved production of glucan by a T-DNA-based mutant of Aureobasidium pullulans. *Applied Microbiology and Biotechnology*, **2021**, 105, 6887-6898	5.7	1
38	Efficient pullulan production by Aureobasidium pullulans using cost-effective substrates. *International Journal of Biological Macromolecules*, **2021**, 186, 544-553	7.9	3
37	Triton X-100 improves co-production of 1,3-D-glucan and pullulan by Aureobasidium pullulans. *Applied Microbiology and Biotechnology*, **2020**, 104, 10685-10696	5.7	2
36	Improved Antioxidant Capacity and Immune Function of Broiler Chickens Fed with Selenium-enriched Candida utilis. *Brazilian Journal of Poultry Science*, **2020**, 22,	1.3	1
35	Enhanced glucan and pullulan production by Aureobasidium pullulans with zinc sulfate supplementation. *Applied Microbiology and Biotechnology*, **2020**, 104, 1751-1760	5.7	4
34	Extension of cell membrane boosting squalene production in the engineered Escherichia coli. *Biotechnology and Bioengineering*, **2020**, 117, 3499-3507	4.9	10
33	Metabolic flux and transcriptome analyses provide insights into the mechanism underlying zinc sulfate improved 1,3-D-glucan production by Aureobasidium pullulans. *International Journal of Biological Macromolecules*, **2020**, 164, 140-148	7.9	1
32	Transcriptome analysis reveals the mechanism underlying improved glutathione biosynthesis and secretion in Candida utilis during selenium enrichment. *Journal of Biotechnology*, **2019**, 304, 89-96	3.7	10
31	Challenges and tackles in metabolic engineering for microbial production of carotenoids. *Microbial Cell Factories*, **2019**, 18, 55	6.4	28
30	Disruption of por1 gene in Candida utilis improves co-production of S-adenosylmethionine and glutathione. *Journal of Biotechnology*, **2019**, 290, 16-23	3.7	6
29	Improved S-adenosylmethionine and glutathione biosynthesis by heterologous expression of an ATP6 gene in Candida utilis. *Journal of Basic Microbiology*, **2018**, 58, 875-882	2.7	9
28	Sodium chloride improves pullulan production by Aureobasidium pullulans but reduces the molecular weight of pullulan. *Applied Microbiology and Biotechnology*, **2018**, 102, 8921-8930	5.7	11
27	Microbial Platform for Terpenoid Production: and Yeast. *Frontiers in Microbiology*, **2018**, 9, 2460	5.7	41
26	Efficient co-production of S-adenosylmethionine and glutathione by Candida utilis: effect of dissolved oxygen on enzyme activity and energy supply. *Journal of Chemical Technology and Biotechnology*, **2017**, 92, 2150-2158	3.5	8
25	Metabolic engineering and synthetic biology approaches driving isoprenoid production in Escherichia coli. *Bioresource Technology*, **2017**, 241, 430-438	11	47
24	The mechanism of improved intracellular organic selenium and glutathione contents in selenium-enriched Candida utilis by acid stress. *Applied Microbiology and Biotechnology*, **2017**, 101, 2131-2141	5.7	8

23	Simultaneously enhanced production and molecular weight of pullulan using a two-stage agitation speed control strategy. *Journal of Chemical Technology and Biotechnology*, **2016**, 91, 467-475	3.5	15
22	Copper sulfate improves pullulan production by bioconversion using whole cells of Aureobasidium pullulans as the catalyst. *Carbohydrate Polymers*, **2016**, 150, 209-15	10.3	8
21	The mechanism of improved pullulan production by nitrogen limitation in batch culture of Aureobasidium pullulans. *Carbohydrate Polymers*, **2015**, 127, 325-31	10.3	24
20	Glutathione is involved in physiological response of Candida utilis to acid stress. *Applied Microbiology and Biotechnology*, **2015**, 99, 10669-79	5.7	9
19	Efficient pullulan production by bioconversion using Aureobasidium pullulans as the whole-cell catalyst. *Applied Microbiology and Biotechnology*, **2015**, 99, 211-20	5.7	13
18	Efficient production of pullulan using rice hull hydrolysate by adaptive laboratory evolution of Aureobasidium pullulans. *Bioresource Technology*, **2014**, 164, 12-9	11	46
17	Pullulan production and physiological characteristics of Aureobasidium pullulans under acid stress. *Applied Microbiology and Biotechnology*, **2013**, 97, 8069-77	5.7	26
16	Selenium-enriched Candida utilis: Efficient preparation with l-methionine and antioxidant capacity in rats. *Journal of Trace Elements in Medicine and Biology*, **2013**, 27, 7-11	4.1	14
15	Improved co-production of S-adenosylmethionine and glutathione using citrate as an auxiliary energy substrate. *Bioresource Technology*, **2013**, 131, 28-32	11	28
14	Enhanced co-production of S-adenosylmethionine and glutathione by an ATP-oriented amino acid addition strategy. *Bioresource Technology*, **2012**, 107, 19-24	11	35
13	Media optimization for elevated molecular weight and mass production of pigment-free pullulan. *Carbohydrate Polymers*, **2012**, 89, 928-34	10.3	35
12	Efficient preparation of selenium/glutathione-enriched Candida utilis and its biological effects on rats. *Biological Trace Element Research*, **2012**, 150, 249-57	4.5	8
11	Efficient production of glutathione using hydrolyzate of banana peel as novel substrate. *Korean Journal of Chemical Engineering*, **2011**, 28, 1566-1572	2.8	2
10	Effects of nitrogen source and carbon/nitrogen ratio on batch fermentation of glutathione by Candida utilis. *Korean Journal of Chemical Engineering*, **2010**, 27, 551-559	2.8	10
9	Kinetic study on the pretreatment and enzymatic saccharification of rice hull for the production of fermentable sugars. *Applied Biochemistry and Biotechnology*, **2010**, 162, 1471-82	3.2	25
8	A novel strategy on the high-cell-density cultivation of Candida utilis for the enhanced production of glutathione. *Korean Journal of Chemical Engineering*, **2010**, 27, 1246-1251	2.8	8
7	Screening of Candida utilis and medium optimization for co-production of S-adenosylmethionine and glutathione. *Korean Journal of Chemical Engineering*, **2010**, 27, 1847-1853	2.8	8
6	Pretreatment and saccharification of rice hulls for the production of fermentable sugars. *Biotechnology and Bioprocess Engineering*, **2009**, 14, 828-834	3.1	39

5	Overproduction of glutathione by l-cysteine addition and a temperature-shift strategy. *Biotechnology and Bioprocess Engineering*, **2008**, 13, 347-353	3.1	12
4	Enhanced intracellular glutathione synthesis and excretion capability of Candida utilis by using a low pH-stress strategy. *Letters in Applied Microbiology*, **2005**, 40, 378-84	2.9	16
3	Glutathione: a review on biotechnological production. *Applied Microbiology and Biotechnology*, **2004** , 66, 233-42	5.7	225
2	Application of a two-stage temperature control strategy for enhanced glutathione production in the batch fermentation by Candida utilis. *Biotechnology Letters*, **2003**, 25, 887-90	3	23
1	Effect of surfactants on extracellular accumulation of glutathione by Saccharomyces cerevisiae. *Process Biochemistry*, **2003**, 38, 1133-1138	4.8	66