

Rui-Sang Liu

List of Publications by Year in descending order

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623734

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490
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#	ARTICLE	IF	CITATIONS
1	Tuber melanosporum fermentation medium optimization by Plackett-Burman design coupled with Draper-Lin small composite design and desirability function. <i>Bioresource Technology</i> , 2010, 101, 3139-3146.	9.6	68
2	Response surface modeling the significance of nitrogen source on the cell growth and Tuber polysaccharides production by submerged cultivation of Chinese truffle <i>Tuber sinense</i> . <i>Process Biochemistry</i> , 2008, 43, 868-876.	3.7	48
3	Scale-up study on the fed-batch fermentation of <i>Ganoderma lucidum</i> for the hyperproduction of ganoderic acid and <i>Ganoderma</i> polysaccharides. <i>Process Biochemistry</i> , 2011, 46, 404-408.	3.7	44
4	Quantitative response of cell growth and Tuber polysaccharides biosynthesis by medicinal mushroom Chinese truffle <i>Tuber sinense</i> to metal ion in culture medium. <i>Bioresource Technology</i> , 2008, 99, 7606-7615.	9.6	40
5	Fed-batch fermentation of <i>Tuber melanosporum</i> for the hyperproduction of mycelia and bioactive Tuber polysaccharides. <i>Bioresource Technology</i> , 2009, 100, 3644-3649.	9.6	35
6	Evaluation of aroma active compounds in Tuber fruiting bodies by gas chromatography-olfactometry in combination with aroma reconstitution and omission test. <i>Applied Microbiology and Biotechnology</i> , 2012, 94, 353-363.	3.6	33
7	Lycopene production from synthetic medium by <i>Blakeslea trispora</i> NRRL 2895 (+) and 2896 (âˆ™) in a stirred-tank fermenter. <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 739-749.	3.4	30
8	Metabolism of l-methionine linked to the biosynthesis of volatile organic sulfur-containing compounds during the submerged fermentation of <i>Tuber melanosporum</i> . <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 9981-9992.	3.6	27
9	Aroma improvement by repeated freeze-thaw treatment during <i>Tuber melanosporum</i> fermentation. <i>Scientific Reports</i> , 2015, 5, 17120.	3.3	27
10	Optimization of the mated fermentation process for the production of lycopene by <i>Blakeslea trispora</i> NRRL 2895 (+) and NRRL 2896 (âˆ™). <i>Bioprocess and Biosystems Engineering</i> , 2012, 35, 553-564.	3.4	24
11	Current progress on truffle submerged fermentation: a promising alternative to its fruiting bodies. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 2041-2053.	3.6	19
12	Screening of the key volatile organic compounds of <i>Tuber melanosporum</i> fermentation by aroma sensory evaluation combination with principle component analysis. <i>Scientific Reports</i> , 2015, 5, 17954.	3.3	16
13	<i>Actinobacillus succinogenes</i> ATCC 55618 Fermentation Medium Optimization for the Production of Succinic Acid by Response Surface Methodology. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-9.	3.0	15
14	Quantitative analysis for the effect of plant oil and fatty acid on <i>Tuber melanosporum</i> culture by uniform design combined with partial least squares regression. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 1689-1697.	3.6	14
15	Regulating ehrlich and demethiolation pathways for alcohols production by the expression of ubiquitin-protein ligase gene HUWE1. <i>Scientific Reports</i> , 2016, 6, 20828.	3.3	10
16	Ranking the significance of fermentation conditions on the volatile organic compounds of <i>Tuber melanosporum</i> fermentation system by combination of head-space solid phase microextraction and chromatographic fingerprint similarity analysis. <i>Bioprocess and Biosystems Engineering</i> , 2014, 37, 543-552.	3.4	6