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**发表论文2011-2012**

2013-01-01

序号	论文标题	期刊	年、卷、期、页	作者	收录类别
1.	Alg14 organizes the formation of a multiglycosyltransferase complex involved in initiation of lipid-linked oligosaccharide biosynthesis.	Glycobiology	2012,22(4),504-516	Lu Jishun, Takahashi Tetsuo, Ohoka Atsuko, Nakajima Kei-ichi, Hashimoto Ryo, Miura Nobuaki, Tachikawa Hiroyuki, Gao Xiaodong*.	SCI
2.	Physical interactions among human glycosyltransferases involved in dolichol-linked oligosaccharide biosynthesis.	Trends in glycoscience and glycotechnology	2012,24(135),65-77	Takahashi Tetsuo, Gao Xiaodong*.	SCI
3.	Recent advances in the stereoselective synthesis of carbohydrate 2-C-analogs.	Organic & Biomolecular Chemistry	2012, 10(12),2351-2362	Yin Jian*, Torsten Linker.	SCI
4.	Structure and Functional Properties of Starches from Chinese Ginkgo ( <i>Ginkgo biloba L.</i> ) Nuts.	Food Research International	2012, 49(1),303-310	Miao Ming, Jiang Huan, Jiang Bo*, Cui W. Steve, Jin Zhengyu, Zhang Tao.	SCI
5.	Functional characteristics of starches from the root of <i>Cynanchum auriculatum</i> Royle ex Wight grown in China.	Carbohydrate Polymers	2012, 88(2),568-575	Miao Ming, Jiang Huan, Jiang Bo*, Cui W. Steve, Jin Zhengyu, Zhang Tao.	SCI
6.	Metabolic engineering of <i>Escherichia coli</i> for biosynthesis of heparosan, a bioengineered heparin precursor.	Metabolic Engineering	2012,14(5):521-527	Zhang Chunyu, Liu Long, Chen Jinghua, Liu Jian, Li Jianghua, Du Guocheng*, Chen Jian.	SCI
7.	Functions, applications and production of 2-O-D-glucopyranosyl-L-ascorbic acid.	Applied Microbiology and Biotechnology	2012,95(2):313-320	Han Ruizhi, Liu Long, Li Jianghua, Du Guocheng*, Chen Jian.	SCI
8.	Optimization of glucose feeding	Journal of	2012, 39,359-365	Chen Xin, Liu Long, Li	SCI

	approaches for enhanced glucosamine and N-acetylglucosamine production by an engineered <i>Escherichia coli</i> .	Industrial Microbiology and Biotechnology		Jianghua, Liu Jie, Du Guocheng*, Chen Jian.	
9.	Effects of carbon sources and feeding strategies on heparosan production by <i>Escherichia coli</i> K5.	Bioprocess and Biosystems Engineering	2012, 35,1209-1218	Liu Yanfeng, Liu Long, Chen Jinghua, Li Jianghua, Du Guocheng*, Chen Jian.	SCI
10.	Structure-based replacement of methionine residues at the catalytic domains with serine significantly improves the oxidative stability of alkaline amylase from alkaliphilic <i>Alkalimonas amylolytica</i> .	Biotechnology Progress	2012,28(5),1271-1277	Yang Haiquan, Liu Long, Li Jianghua, Du Guocheng*, Chen Jian.	SCI
11.	High-level expression, purification, and enzymatic characterization of truncated poly(vinyl alcohol) dehydrogenase in methylotrophic yeast <i>Pichia pastoris</i> .	Applied Microbiology and Biotechnology	2012, DOI: 10.1007/s00253-012-3986-3	Jia Dongxu, Li Jianghua, Liu Long, Yang Yu, Zhang Dongxu, Du Guocheng*, Chen Jian.	SCI
12.	Structure-based engineering of methionine residues in the catalytic cores of alkaline amylase from <i>Alkalimonas amylolytica</i> for improved oxidative stability.	Applied and Environmental Microbiology	2012, 78,7519-7526	Yang Haiquan, Liu Long, Wang Mingxing, Li Jianghua, Nam Sun Wang, Du Guocheng*, Chen Jian.	SCI
13.	Comparative analysis of heterologous expression, biochemical characterization and optimal production of a novel alkaline $\alpha$ -amylase from alkaliphilic <i>Alkalimonas amylolytica</i> in <i>Escherichia coli</i> and <i>Pichia pastoris</i> .	Biotechnology Progress	2012,DOI: 10.1002/btpr.1657.	Yang Haiquan, Liu Long, Li Jianghua, Du Guocheng*, Chen Jian.	SCI
14.	Enhanced glucosamine production by <i>Aspergillus sp.</i> BCRC 31742 based on the time-variant kinetics analysis of dissolved oxygen level.	Bioresource Technology	2012,111:507-511	Zhang Jiaxin, Liu Long, Li Jianghua, Du Guocheng*, Chen Jian.	SCI
15.	Recent advances in curdlan biosynthesis, biotechnological production, and applications.	Applied Microbiology and Biotechnology	2012,93(2),525-531	Zhan Xiaobei*, Lin Chichung, Zhang Hongtao.	SCI
16.	Improved curdlan fermentation process based on optimization of dissolved oxygen combined with pH control and metabolic characterization of <i>Agrobacterium sp.</i> ATCC 31749.	Applied Microbiology and Biotechnology	2012,93,367-379	Zhang Hongtao, Zhan Xiaobei*, Zheng Zhiyong, Wu Jianrong, English Nike, Yu Xiaobin, Lin Chichung.	SCI
17.	A new polysialic acid production process based on dual stage pH control and fed-batch fermentation for higher yield and resulting high molecular weight product.	Applied Microbiology and Biotechnology	2012,doi 10.1007/s00253-012-4503-4	Zheng Zhiyong, Wang Shunzhi, Li Guoshun, Zhan Xiaobei*, Lin Chichung, Wu Jianrong, Zhu Li.	SCI

18.	Changes of Curdlan Biosynthesis and Nitrogenous Compounds Utilization Characterized in ntrC Mutant of <i>Agrobacterium sp.</i> ATCC 31749.	Current Microbiology	2011, doi:10.1007/s00284-011-9942	Yu Lijun, Wu Jianrong, Zheng Zhiyong, Zhan Xiaobei*, Lin Chichung.	SCI
19.	NtrC-dependent regulatory network for curdlan biosynthesis in response to nitrogen limitation in <i>Agrobacterium sp.</i> ATCC 31749.	Process Biochemistry	2011,doi:10.1016/j.procbio	Wu Jianrong, Yu Lijun, Zhan Xiaobei*, Zheng Zhiyong, Lu Jing, Lin Chichung.	SCI
20.	Enzymatic synthesis and identification of oligosaccharides obtained by transgalactosylation of lactose in the presence of fructose using b-galactosidase from <i>Kluyveromyces lactis</i> .	Food chemistry	2012,135:1547-1554	Shen Qinyun, Yang Ruijing*, Hua Xiao, Ye Fayin, Wang He, Zhao Wei, Wang Kun.	SCI
21.	Production of 1-lactulose and lactulose using commercial b-galactosidase from <i>Kluyveromyces lactis</i> in the presence of fructose.	Food chemistry	2012 (in press)	Hua Xiao, Yang Ruijing*, Shen Qiuyun, Ye Fayin, Zhang Wenbin, Zhao Wei.	SCI
22.	High curdlan productivity by integration of carbon/nitrogen sources control and sequencing dual fed-batch fermentors operation for production cost reduction.	Applied Biochemistry and Microbiology	2012(in press)	Zheng Zhiyong, Jiang Yun, Zhan Xiaobei*, Ma Liwei, Wu Jianrong, Zhang Limin, Lin Chichung.	SCI
23.	A High-Salt-Tolerant Neutral Protease From <i>Aspergillus oryzae</i> : Purification, Characterization and Kinetic Properties.	Applied Biochemistry and Microbiology	2012(in press)	Wang Dong, Zheng Zhiyong, Feng Jie, Zhan Xiaobei*, Zhang Limin, Wu Jianrong, Lin Chichung.	SCI
24.	Site-saturation engineering of lysine 47 in cyclodextrin glycosyltransferase from <i>Paenibacillus macerans</i> to enhance substrate specificity towards maltodextrin for enzymatic synthesis of AA-2G.	Applied Microbiology and Biotechnology	2012(in press)	Han Ruizhi, Liu Long, Li Jianghua, Du Guocheng*, Chen Jian.	SCI
25.	Site-saturation mutagenesis of tyrosine 195, tyrosine 260 and glutamine 265 in cyclodextrin glycosyltransferase from <i>Paenibacillus macerans</i> to enhance substrate specificity towards maltodextrin for enzymatic synthesis of AA-2G.	Applied and Environmental Microbiology.	2012(in press)	Han Ruizhi, Liu Long, Shin Hyun-dong, Chen Rachel R, Li Jianghua, Du Guocheng*, Chen Jian.	SCI

