

[发表文献](#)

您当前的位置 : 网站首页 &gt;&gt; 科学研究 &gt;&gt; 发表文献 &gt;&gt; 正文

**主要研究方向**[开放课题](#)[成果与专利](#)[发表文献](#)[招生](#)[人才培养](#)[研究生培养](#)**2008年**

1. Hydrolysis of Insoluble Collagen by Deseasin MCP-01 from deep-sea Pseudoalteromonas sp. SM9913: Collagenolytic characters, collagen-binding ability of C-terminal PKD domain and Implication for its novel role in deep-sea sedimentary particulate organic nitrogen degradation Gao-Yan Zhao, Xiu-Lan Chen, Hui-Lin Zhao, Bin-Xie, Bai-Cheng Zhou, and Yu-Zhong Zhang\* The Journal of Biological Chemistry , 2008, Vol. 283 (52):36100 -36107.
2. Watching the Native Supramolecular Architecture of Photosynthetic Membrane in Red Algae: Topography of phycobilisomes, and their crowding, diverse distribution patterns Lu-Ning Liu, Thijs J. Aartsma, Jean-Claude Thomas, Gerda E. M. Lamers, Bai-Cheng Zhou, and Yu-Zhong Zhang\* Journal of Biological Chemistry, 2008, Vol. 283 (50):34946 - 34953.
3. Hjm/hel308a DNA helicase from sulfolobus tokodaii promotes replication fork regression and interacts with hjc endonuclease in vitro. Zhuo Li, Shu-hong Lu, Gui-hua Hou, Xiao-qing Ma, Duo-hong Sheng, Jin-feng Ni, Yu-long Shen\* J. Bacteriol., 2008, Vol. 190(8):3006-3017.
4. Discovery of the Autonomously Replicating Plasmid pMF1 from *Myxococcus fulvus* and Development of a Gene Cloning System in *Myxococcus xanthus* Jing-yi Zhao, Li Zhong, Mei-juan Shen, Zhi-jie Xia, Qiu-xiang Cheng, Xia Sun, Guo-ping Zhao, Yue-zhong Li\*, and Zhong-jun Qin\* Applied and Environmental Microbiology, 2008, Vol. 74(7):1980-1987.
5. A novel gene, encoding 6-hydroxy -3-succinoylpyridine hydroxylase, involved in nicotine degradation by *Pseudomonas putida* strain S16 Hong-zhi Tang, Shu-ning Wang, Lan-ying Ma, Xiang-zhou Meng, Zi-xin Deng, Da-ke Zhang, Cui-qing Ma, and Ping Xu\* Appl. Environ. Microbiol., 2008, 74(5): 1567-1574.
6. Predicting protein Interaction Interfaces from Protein Sequences: Case Studies of Subtilisin and Phycocyanin Bin-Bin Xie, Xiu-Lan Chen, Xi-Ying Zhang, Hai-Lun He, Yu-Zhong Zhang\*, and Bai-Cheng Zhou PROTEINS: Structure, Function, and Bioinformatics, 2008, Vol. 71:1461 - 1474.
7. Pilot and plant scaled production of ACE inhibitory hydrolysates from *Acetes chinensis* and its in vivo antihypertensive effect Hai-Lun He, Hao Wu, Xiu-Lan Chen, Mei Shi, Xi-Ying Zhang, Cai-Yun Sun, Yu-Zhong Zhang\*, Bai-Cheng Zhou Bioresource Technology, 2008, Vol. 99:5956 - 5959.
8. Molecular identification and characterization of peptide: N-glycanase from *Schizosaccharomyces pombe* Feng-xue Xin, Sheng-jun Wang, Lei Song, Quan-feng Liang, Qing-sheng Qi\* Biochem Biophys Res Commun, 2008, Vol. 368:907-912.
9. Cloning and characterization of an rRNA methyltransferase from *Sorangium cellulosum* Jing-yi Zhao, Zhi-jie Xia, Xia Sun, Li Zhong, De-ming Jiang, Hong Liu, Jing Wang, Zhong-jun Qin, Yue-Zhong Li\* Biochem Biophys Res Commun, 2008, Vol. 370:140-144.
10. Spatial subunit distribution and in vitro functions of the novel trimeric PCNA complex from *Sulfolobus tokodaii*. Shu-hong Lu, Zhuo Li, Zhi-yu Wang, Xiao-qing Ma, Duo-hong Sheng, Jin-feng Ni, Yu-long Shen\* Biochem Biophys Res Commun, 2008, Vol. 376:369-374.

11. Physical and functional interaction between archaeal single-stranded DNA-binding protein and the 5' - 3' nuclease NurA TaoWei, Song-tao Zhang, Shan-shan Zhu, Duo-hong Sheng, Jin-feng Ni, Yu-Long Shen\* Biochem Biophys Res Commun, 2008, Vol. 367:523-529.
12. Hydrogen production from cellulose by co-culture of *C. thermocellum* JN4 and *Thermoanaerobacterium thermosaccharolyticum* GD17 Yan Liu, Peng Yu, Xin Song\*, Yin-bo Qu\* Int J Hydrogen Energy, 2008, Vol. 33:2927-2933.
13. Engineering endoglucanase II from *Trichoderma reesei* to improve the catalytic efficiency at a higher pH optimum Yu-qi Qin, Xiao-min Wei, Xin Song\*, Yin-bo Qu\* J Biotechnol, 2008, Vol. 135:190-195.
14. A novel alkali-tolerant laccase produced by *Monilia* sp. M5-3 and its potential in old corrugated containers modification and pulp bleaching Wen-zhu Tang, Jian Zhao\*, Yin-bo Qu Journal of Biotechnology, 2008 ,Vol. 136S:S290-S344.
15. Identification of a Novel C20-elongase Gene from the Marine Microalgae *Pavlova viridis* and its Expression in *Escherichia coli* Yan Niu, Jian Kong\*, Long-yun Fu, Jing Yang, Yi Xu Mar Biotechnol, 2008.
16. Identification and characterization of the two-component cell lysis cassette encoded by temperate bacteriophage of *Lb fermentum* S. Wang, J. Kong\*, and X. Zhang Journal of Applied Microbiology, 2008, Vol. 105:1939-1944.
17. Production of novel angiotensin I-converting enzyme inhibitory peptides by fermentation of marine shrimp *Acetes chinensis* with *Lactobacillus fermentum* SM 605 Yu-Kai Wang, Hai-Lun He, Xiu-Lan Chen, Cai-Yun Sun, Yu-Zhong Zhang\*, Bai-Cheng Zhou Applied Microbiology and Biotechnology, 2008. Vol. 79(6):785-791.
18. Construction of a stress-induced system in *Escherichia coli* for efficient polyhydroxyalkanoates production Zhen Kang, Qian Wang, Hao-jun Zhang, Qing-sheng Qi\* Appl. Microbiol. Biotechnol, 2008, Vol. 79:203-208.
19. Taxonomic analysis of *Sorangium* strains based on HSP60 and 16S rRNA gene sequences and morphology De-Ming Jiang, Lin Zhao, Cui-Ying Zhang, Jian Li, Zhi-Jie Xia, Jing Wang, Zhi-Hong Wu, and Yue-Zhong Li\* Int J of Syst and Evol Microbiology, 2008, Vol. 58:1-6.
20. Purification and identification of novel angiotensin-I-converting enzyme inhibitory peptides from shark meat hydrolysate Hao Wu, Hai-Lun He, Xiu-Lan Chen, Cai-Yun Sun, Yu-Zhong Zhang\*, Bai-Cheng Zhou Process Biochemistry, 2008, Vol. 43:457 - 461.
21. Production of non-monosaccharide and high-purity galactooligosaccharides by immobilized enzyme catalysis and fermentation with immobilized yeast cells Zheng-yi Li, Min Xiao\*, Li-li Liu, Yu-mei Li Process Biochem, 2008, Vol. 43:896-899.
22. The in vitro activity of a Rad55homologue from *Sulfolobus tokodaii*, a candidate mediator in RadA-catalyzed homologous recombination. Duo-hong Sheng, Shan-shan Zhu, Tao Wei, Jin-feng Ni, Yu-long Shen\* Extremophiles, 2008, Vol. 12:147-157.
23. *Myroides profundi* sp.nov., isolated from deep-sea sediment of the southern Okinawa Trough, Xi-Ying Zhang, Yan-Jiao Zhang, Xiu-Lan Chen, Qi-Long Qin, Dian-Li Zhao, Tie-Gang Li, Hong-Yue Dang, and Yu-Zhong Zhang\* FEMS Microbiology Letters, 2008. Vol. 287(8):108 - 112.
24. Cloning and characterization of a novel alpha-galactosidase from *Bifidobacterium breve* 203 capable of synthesizing Gal-alpha-1, 4 linkage Han Zhao, Li-li Liu, Min Xiao\*, Qin-peng Wang, Yu Lu, Chun-hui Liu, Peng Wang, Hidehiko, Kumagai, and Kenji Yamamoto FEMS Microbiology Letters, 2008, Vol. 285:278 - 283.
25. Purification and Characterization of Poly(L-Lactic Acid)-degrading enzymes from *Amycolatopsis orientalis* subsp. *Orientalis* Fan Li, Sha Wang, Wei-feng Liu\*, and Guan-jun Chen FEMS Microbiology Letters, 2008, Vol. 282(1):52-58.
26. Structure and organization of phycobilisomes on membranes of the red alga *Porphyridium cruentum* Ana A. Arteni, Lu-Ning Liu, Thijs J. Aartsma, Yu-Zhong Zhang\*, Bai-Cheng Zhou, Egbert J. Boekema Photosynth Res. , 2008, Vol. 95:169 - 174.

27. The composition of basal and induced cellulase systems in *Penicillium decumbens* under induction or repression conditions Xian-yun Sun, Zi-yong Liu, Kai Zheng, Xin Song\*, Yin-bo Qu\* Enzyme Microb Technol, 2008, Vol. 42:560–567.
28. The enzymatic hydrolysis rate of cellulose decreases with the irreversibly adsorbed cellobiohydrolase I on cellulose An-zhou Ma, Qing Hu, Yin-bo Qu, Zhi-hui Bai, Wei-feng Liu\*, Guo-qiang Zhuang Enzymatic and Microbial Technology, 2008, Vol. 42:543–547.
29. The combined effects of temperature and assay time on the catalytic ability and stability of 1,4- $\beta$ -D-glucan cellobiohydrolase I Bin Wu, Lu-Shan Wang and Pei-Ji Gao\* Enzyme Microb Technol, 2008, 43(3): 237–244
30. Purification and characterization of recombinant endoglucanase of *Trichoderma reesii* expressed in *Saccharomyces cerevisiae* with higher glycosylation and stability Yu-qi Qin, Xiao-min Wei, Xiang-mei Liu, Tian-hong Wang, Yin-bo Qu\* Protein Expr. Purif., 2008, Vol. 58:162–167.
31. Expression of the capsid protein of porcine circovirus type 2 in *Lactococcus lactis* for oral vaccination Ke Wang, Li-hua Huang, Jian Kong\*, Xiao-wei Zhang Journal of Virological Methods, 2008, Vol. 150:1–6.
32. Biotechnological routes to pyruvate production Xu P\*, Qiu J, Gao C, Ma CQ. J Biosci Bioeng, 2008, 105: 169 – 175
33. Isolation, Identification, and Performance Studies of a Novel Paraffin-degrading Bacterium of *Gordonia amicalalis* LH3 Dong-hui Hao, Jian-qun Lin\*, Xin Song, Jian-qiang Lin, Yu-Jie Su, and Yin-bo Qu Biotechnology and Bioprocess Engineering, 2008, Vol. 13:61–68.
34. Improving conjugation efficacy of *Sorangium cellulosum* by the addition of dual selection antibiotics Zhi-Jie Xia, Jing Wang, Wei hu, Hong Liu, Xiu-Zhen Gao, Zhi-Hong Wu, Peng-Yi Zhang, Yue-Zhong Li\* J Ind Microbiol Biotechnol.
35. Effect of oxygen limitation on xylose fermentation, Intracellular Metabolites, and Key Enzymes of *Neurospora crassa* AS3.1602 Zhi-hua Zhang, Yin-bo Qu\*, Xiao Zhang, Jian-qiang Lin Appl. Biochem. Biotechnol., 2008, Vol. 145:39–51.
36. The effects of wheat bran composition on the production of biomass-hydrolyzing Enzymes by *Penicillium decumbens* Xian-yun Sun, Zi-yong Liu, Yin-bo Qu\*, Xue-zhi Li Appl. Biochem. Biotechnol., 2008, Vol. 146:119–128.
37. Screening of a fungus capable of powerful and selective delignification on wheat straw L. Li, X. - Z. Li, W.-Z. Tang, J. Zhao\*, and Y. -B. Qu\* Lett. Appl. Microbiol.
38. Decolorization of synthetic dyes by crude laccase from *Rigidoporus lignosus* W1 Li Li, Wen-kui Dai, Peng Yu, Jian Zhao\*, and Yin-bo Qu\* J. Chem. Technol. Biotechnol., 2008.
39. Gene cloning and heterologous expression of a novel endoglucanase, Swollenin, from *Trichoderma pseudokoningii* S38 Qiang Yao, Ting-ting Sun, Wei-feng Liu\*, and Guan-jun Chen\* Biosci Biochem Biotech, 2008, Vol. 72(11):2799–2805.
40. A Novel GFP-Fused Eukaryotic Membrane Protein Expression System in *Lactococcus lactis* and Its Application to Overexpression of an Elongase Yan Niu, Jian Kong\*, Yi Xu Curr Microbiol, 2008, Vol. 57:423–428.
41. Homologous-Restraint Polymerase Chain Reaction: An Efficient and Rapid Protocol to Clone Multiple Homologous Genes Ming Chen, Hong-lei Liu, Yu-feng Bai, Zheng-zhong Zhang, Jun-jun Liu, Yu-zhen Zhang\* Curr Microbiol, 2008, Vol. 57:51 – 54.
42. Improved heterologous gene expression in *Trichoderma reesei* by cbh1 promoter optimization. Ti Liu, Tian-hong Wang\*, Xian Li, and Xuan Liu Acta Biochimica et Biophysica Sinica, 2008, Vol. 40(2):158–165.
43. Studies of Substrate Specificities of Lipases From Different Sources Xin Song\*, Xiao-yu Qi, Bin Hao, Yin-bo Qu Europe J of Lipid Science and Technology, 2008, Vol. 110(12):1095–1101.

44. Resolution of (R,S)- (±)- glycidyl butyrate with Immobilized Trichosporon capitatum Y-11 Lipase in gelatin-containing microemulsion-based organogels Xin Song\*, Xiao-yu Qi, Yin-bo Qu Colloids and Surfaces B: Biointerfaces, 2008, Vol. 67:127-131.
45. The Role of the Site 342 in Catalytic Efficiency and pH Optima of endoglucanase II from Trichoderma reesei as probed by saturation mutagenesis Yu-qi Qin, Xiao-min Wei, Xin Song, and Yin-bo Qu\* Biocatal Biotransfor, 2008, Vol. 26(5):378-382.
46. Function of the iron-binding chelator produced by Coriolus versicolor in lignin biodegradation Wang Lu, Yan Wenchao, Chen Jiachuan, Huang Feng\*, Gao Peiji Science in China Series C. 2008, 51 (3): 214-221.
47. Co-expression with RadA and the characterization of stRad55B, a RadA paralog from the hyperthermophilic crenarchaea Sulfolobus tokodaii Duo-hong Sheng, Ming-feng Li, Jian-dong Jiao, Jin-feng Ni&Yu-long Shen\* Science in China, C. 2008, Vol. 51(1):60-65.
48. Characterization of a glucan phosphorylase from the thermophilic archaeon Sulfolobus tokodaii strain 7 Ye Hong, Lei Wu, Bo Liu, Cheng Peng, Duo-hong Sheng, Jin-feng Ni, Yu-long Shen\* J. Mol. Catal. B: Enzy., 2008, Vol. 54:27-34.
49. Modeling and Simulation of Enargite Bioleaching Jian Song, Jian-qun Lin\*, Ling Gao, Jian-qiang Lin, and Yin-bo Qu Chinese J. of Chem Engineering, 2008, Vol. 16(5):785-790.
50. Siderophore production from 27 filamentous fungal strains and a novel siderophore with potential biocontrol applications from Aspergillus niger An76 Hong-qi Sun, Wei-can Zhang, Xue-mei Lu\*, Pei-ji Gao Journal of Life Sciences, 2008, Vol. 2.
51. Expression and analysis of the antibacterial characteristics of a new siderophore produced by Aspergillus niger An76 using an isograms method hong-qi Sun, Xue-mei Lu\*, Pei-ji Gao Journal of Life Sciences, 2008, Vol. 2.
52. A constructed alkaline consortium and its dynamics in treating alkaline black liquor with very high pollution load Yang C, Cao G, Li Y, Zhang X, Ren H, Wang X, Feng J, Zhao L, Xu P\* PLoS ONE, 2008, 3 (11): e3777
53. Light-induced energetic decoupling as a mechanism for phycobilisome-related energy dissipation in red algae: a single molecule study. Liu LN, Elmalk AT, Aartsma TJ, Thomas JC, Lamers GE, Zhou BC, Zhang YZ\* PLOS ONE, 2008. 9, 3(9): e3134.

[网站邮箱](#) | [网站地图](#)

CopyRight ® 2014 山东大学微生物技术国家重点实验室

地址：山东省青岛市即墨滨海路72号 邮政编码：266237 电话：0532-58631517