◆ 个人概况

姓　　名：高敏杰

出生年月：1980 年 12 月

研究室电话：0510-85918299

通信地址：江苏省无锡市蠡湖大道 1800 号江南大学生物工程学院 A405 室

电子邮箱：gaominjie@msn.com；jmgao@jiangnan.edu.cn

◆ 研究方向：

发酵过程优化与控制

计算机技术与软件专业技术资格**高级程序员（软件设计师）**

◆ 教育工作经历

2012.05 至今　　江南大学 生物工程学院 副教授

2007.09~ 2012.03　　江南大学 生物工程学院 发酵工程 博士

2005.09~2007.07　　江南大学 生物工程学院 生物化工　硕士

2003.09~2005.07　　江南大学 生物工程学院 辅导员

1999.09~2003.07　　无锡轻工大学 生物工程学院 生物工程 学士

◆ 科研项目：

1、主持国家自然科学基金（极高细胞密度下乙醇历史积累抑制毕赤酵母表达外源蛋白的分子机制及解抑制策略研究 No. 31301408）；2014.1-2016.12

2、主持江苏省自然科学基金（乙醇历史积累抑制毕赤酵母表达蛋白的机制及解抑制策略 No. BK20130122）。2013.7-2016.6

3、主持中国博士后科学基金（诱导前比生长速率影响毕赤酵母诱导启动效率的机制研究 No. 2014M551501）；2014.6-2015.12

4、主持江南大学自主科研计划-重点项目（高粘度、高密度发酵过程关键技术与装备 JUSRP51632A）2016.1-2018.12,100 万元

5、 主持江苏省政策引导类计划（产学研合作）--前瞻性联合研究项目（毕赤酵母高效吸附稀贵金属离子关键技术研发及产业化 BY2016022-15）2016.7－2018.6

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3. **Min-Jie Gao**, Cheng Wang, Zhi-Yong Zheng, Li Zhu, Xiao-Bei Zhan, Chi-Chung Lin. Improving arachidonic acid fermentation by *Mortierella alpina* through multi-Stage temperature and aeration rate control in bioreactor. ***Preparative Biochemistry and Biotechnology***, 2015, DOI: 10.1080/10826068.2015.1031397, 2016, 46(4):360-367.
4. **Min-Jie Gao**, Zhi-Yong Zheng, Jian-Rong Wu, Shi-Juan Dong, Zhen Li, Hu Jin, Xiao-Bei Zhan, Chi-Chung Lin. Improvement of specific growth rate of *Pichia pastoris* for effective porcine interferon-α production with an on-line model based glycerol feeding strategy. ***Applied Microbiology and Biotechnology***, 2012, 93(4): 1437-1445.
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◆ 专利

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2. 詹晓北， 朱莉， 向荣华， 郑志永， 吴剑荣， **高敏杰**，张洪涛. 一种瓶载真姬菇的方法. 专利号：ZL201310564418.0
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4. 詹晓北，**高敏杰**，史仲平，郑志永，丁健，杨帅. 一种基于支持向量机的毕赤酵母发酵过程预警. 专利号: 201410803931.5
5. **高敏杰**，詹晓北，史仲平，丁健，蒋芸，潘晴. 一种提高大肠杆菌聚唾液酸产量的专家控制系统. 专利号: ZL201410815552.8
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7. **高敏杰**，洪瀚，詹晓北，李志涛，沈宇峰，郑志永. 一种利用盐酸处理毕赤酵母吸附废水中铑离子的方法. 专利申请号：201611025002.1