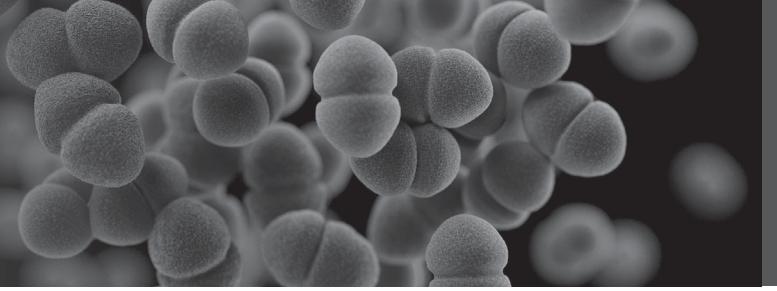


中文目次



小型综述

- 901 微生物耐砷机理及其在砷地球化学循环中的作用

韩永和, 王珊珊

- 911 革兰阴性菌外膜囊泡作为亚单位疫苗的研究进展

易洁, 刘青, 孔庆科

研究报告

- 922 表面展示表达果胶酯酶的重组酿酒酵母构建及乙醇发酵

陈献忠, 肖艳, 沈微, 樊游

- 932 消化乳杆菌泡菜分离株W369的鉴定及其益生功能

汤伟, 胡维, 王菁蕊, 王金菊, 王艳萍

- 955 富营养化城市湖泊武汉东湖沉积物微生物群体结构及空间变化研究(英文)

杨江科, 程占冰

- 956 鲁氏接合酵母对酱油中氨基甲酸乙酯前体物的代谢

张继冉, 方芳, 陈坚, 堵国成

- 973 3'非翻译区靶向人工微小RNA对PRRSV在猪肺巨噬细胞中复制的抑制作用(英文)

包利平, 朱立, 张鑫宇, 孙怀昌

- 974 致犊牛脑膜炎大肠杆菌新疆分离株*ibeB*基因的特性分析

凌晨, 蒋建军, 宋康, 张坤, 师燕霞, 冯广余, 倪宏斌, 朱玲, 王鹏雁, 割根强

- 983 三峡库区消落带周期性淹水-落干对硝化微生物生态过程的影响

郭佳, 蒋先军, 周雪, 孟瑶, 贾仲君

- 1000 基于高通量测序分析盐角草根部内生细菌多样性及动态规律

赵帅, 周娜, 赵振勇, 张科, 田长彦

- 1009 具ACC脱氨酶活性大豆根瘤内生菌的筛选、抗性及促生作用

赵龙飞, 徐亚军, 常佳丽, 李敏, 张艳玲, 党永杰, 王梦思, 程亚稳, 张斌月

- 1022 四株碱性环境真菌铁载体活性筛选

张孝龙, 王永霞, 赵江源, 丁章贵, 文孟良, 李铭刚

- 1034 产胶原酶菌株的筛选鉴定、发酵优化及胶原酶纯化

李星硕, 朱光明, 管于平, 柏玮, 贾士儒, 孙媛霞

- 1044 白腐菌SQ01锰过氧化物酶对联苯中间代谢物的转化

杨秀清, 张新宪

学科先贤

- 1056 生物制品学家——刘隽湘

青宁生

其他

- 封二 《微生物学报》征稿简则

- 文后 《微生物学报》编委会名单

封面文章: 四株碱性环境真菌铁载体活性筛选(第1022-1033页, 张孝龙, 王永霞, 赵江源, 丁章贵, 文孟良, 李铭刚的文章)

广告

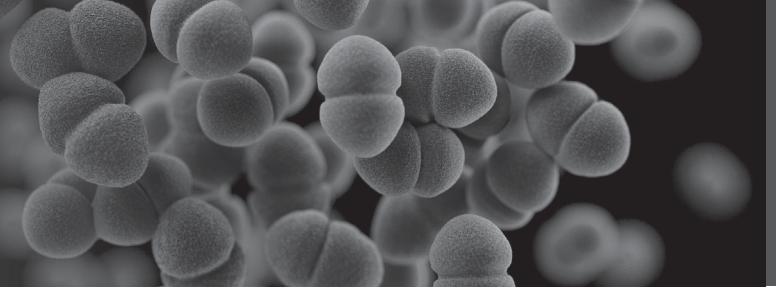
- 文前I/II 安琪酵母股份有限公司

- 文前III/IV 上海百伦科技有限责任公司

- 文前V/VI 镇江东方生物工程设备技术有限责任公司

- 封三 上海开放生物科技有限公司

CONTENTS



MINI-REVIEWS

- 910 Arsenic resistance mechanisms in microbes and their roles in arsenic geochemical cycling—A review**

Yonghe Han, Shanshan Wang

- 921 Advances in outer membrane vesicles of gram-negative bacteria as sub-unit vaccines—A review**

Jie Yi, Qing Liu, Qingke Kong

RESEARCH PAPERS

- 931 Surface display of pectinesterase on *Saccharomyces cerevisiae* for efficient bioethanol production from sweet potato starch**

Xianzhong Chen, Yan Xiao, Wei Shen, You Fan

- 942 Identification of a new probiotic *Lactobacillus alimentarius* W369 from Chinese traditional pickles**

Wei Tang, Wei Hu, Jingrui Wang, Jinju Wang, Yanping Wang

- 943 Community composition and spatial variation of bacteria in the sediments of a eutrophic fresh water urban lake, East Lake, Wuhan, China**

Jiangke Yang, Zhanbing Chen

- 963 Metabolism of ethyl carbamate precursors in soy sauce by *Zygosaccharomyces rouxii* ZQ02**

Jiran Zhang, Fang Fang, Jian Chen, Guocheng Du

- 964 Inhibition of porcine reproductive and respiratory syndrome virus replication in porcine alveolar macrophages with the 3' UTR-targeted amiRNA**

Liping Bao, Li Zhu, Xinyu Zhang, Huaichang Sun

- 982 Characterization of *ibeB* gene of meningitic *Escherichia coli* strains in calves from Xinjiang**

Chen Ling, Jianjun Jiang, Kang Song, Kun Zhang, Yanxia Shi, Guangyu Feng, Hongbin Ni, Ling Zhu, Pengyan Wang, Genqiang Yan

- 999 Impact of periodical flooding-drying on nitrification and ammonia oxidizers in hydro-fluctuation belt of the Three Gorges Reservoir**

Jia Guo, Xianjun Jiang, Xue Zhou, Yao Meng, Zhongjun Jia

- 1008 Endophytic bacterial diversity and dynamics in root of *Salicornia europaea* estimated via high throughput sequencing**

Shuai Zhao, Na Zhou, Zhenyong Zhao, Ke Zhang, Changyan Tian

- 1021 Screening, resistance and growth-promoting effect of endophytic bacteria with ACC deaminase activity isolated from soybean nodules**

Longfei Zhao, Yajun Xu, Jiali Chang, Min Li, Yanling Zhang, Yongjie Dang, Mengsi Wang, Yawen Cheng, Binyue Zhang

- 1033 Screening siderophore activity of four strains from alkaline environment**

Xiaolong Zhang, Yongxia Wang, Jiangyuan Zhao, Zhanggui Ding, Mengliang Wen, Minggang Li

- 1043 Screening, identification and fermentation optimization of a collagenase-producing strain and purification of the collagenase**

Xingshuo Li, Yueming Zhu, Yuping Guan, Wei Bai, Shiru Jia, Yuanxia Sun

- 1055 Transformation of biphenyl intermediate metabolite by manganese peroxidase from a white rot fungus SQ01**

Xiuqing Yang, Xinxian Zhang