

中文目次

综述

- 2381** 副溶血性弧菌生物被膜形成及其调控机制研究进展
蒋富凤, 雷涛, 吴清平, 张菊梅, 庞锐
- 2391** 诺如病毒感染宿主免疫应答机制及疫苗研究进展
左月婷, 薛亮, 吴清平, 高珺珊, 张菊梅
- 2399** 群感效应对电活性微生物胞外电子传递的影响
杨钰婷, 陈瑾, 陈姗姗, 周顺桂

研究报告

- 2412** 精氨酸代谢调控蛋白ArgR调控嗜热链球菌胞外多糖合成
潘晖, 刘欣欣, 孔令慧, 夏永军, 印伯星, 艾连中, 熊智强
- 2423** 镉吸附细菌的分离及其对土壤镉的固定
闫敏, 秦诗洁, 崔永亮, 涂卫国, 沈甜, 刘含, 张芳, 余秀梅
- 2434** 不同生境马铃薯根际土壤细菌多样性分析
熊悯梓, 钞亚鹏, 赵盼, 宋双伟, 石莹莹, 莫乘宝, 仲乃琴
- 2450** 多酶融合表达体系以木聚糖为辅助底物高效合成(S)-苯乙二醇
饶俊超, 张荣珍, 徐岩
- 2461** *Streptomyces* sp. NO1W98中杀黑星菌素的分离和生物合成基因簇的鉴定
张少飞, 张园, 申传璞, 陈奇
- 2475** 通过易错PCR提高鼠伤寒沙门氏菌丙氨酸消旋酶催化活性
郑豆豆, 罗素亚, 杜穆花, 何广正, 徐书景, 鞠建松
- 2487** 核桃壳提取液用于单针藻*Monoraphidium* sp. QLZ-3培养产油脂
崔佳丽, 游金坤, 李洁实, 乔腾生, 董训赞

2498 鸡源大肠杆菌毒力基因检测及分子流行特征

张立伟, 石玉祥, 张永英, 李欣泽, 郝贺, 朱原, 周双, 王芝超, 杜瞳彤, 阿合玛尔列·海依拉提, 时欣欣, 韩旺, 全星, 朱阵

2511 单核细胞增多性李斯特菌谷胱甘肽合成酶调控鞭毛形成研究

甘莉, 祝艺然, 卢亦杰, 孙静, 陈中炜, 程昌勇, 宋厚辉

2521 异源表达德氏乳杆菌保加利亚亚种TCS1调控酸适应基因提高乳酸乳球菌NZ9000耐酸性

王超, 崔艳华, 曲晓军

2538 砷氧化菌株的筛选及*Bosea* sp. AS-1基因组分析

柳朝阳, 向利, 王红梅, 鲁小璐

2555 郫县豆瓣发酵过程的微生物多样性及溯源分析

鲍奕达, 张丽杰, 郑鹏飞, 陈海风, 黄家全, 徐岩

2572 十字花科黑腐病菌III型效应物XopXccR1植物亚细胞定位

冯艳茹, 高亚君, 杭小红, 何勇强, 姜伯乐

2592 染料木素对MRSA外排蛋白表达的影响(英文)

孙明珠, 潘珊珊, 王迪, 宫正, 谢明杰

2593 一种高R-选择性水解*R,S*-甲霜灵的酯酶基因的克隆表达及表征

张朝晖, 彭康, 卢亚南, 陆跃乐

2606 我国华南沿海海水养殖鱼类病原菌美人鱼发光杆菌(*Photobacterium damsela*)分离株的毒力基因和耐药性分析

邓益琴, 徐力文, 张亚秋, 郭志勋, 冯娟

其他

- 封二 《微生物学报》2019年度“优秀论文”名单
文后 《微生物学报》征稿简则
封三 《微生物学报》编委会名单

广告

- 文前(I/II) 国家微生物科学数据中心
文前(III/IV) 镇江东方生物工程设备有限公司

CONTENTS

REVIEWS

- 2390** Biofilm formation and regulation mechanism of *Vibrio parahaemolyticus*: progress and trends

Fufeng Jiang, Tao Lei, Qingping Wu, Jumei Zhang, Rui Pang

- 2398** Advances in researches on immune response mechanism of norovirus infection in hosts

Yueting Zuo, Liang Xue, Qingping Wu, Junshan Gao, Jumei Zhang

- 2411** Advances in understanding the impact of quorum sensing on extracellular electron transfer of electroactive microorganisms

Yuting Yang, Jin Chen, Shanshan Chen, Shungui Zhou

RESEARCH ARTICLES

- 2422** Arginine regulator ArgR regulates exopolysaccharides biosynthesis of *Streptococcus thermophilus*

Hui Pan, Xinxin Liu, Linghui Kong, Yongjun Xia, Boxing Yin, Lianzhong Ai, Zhiqiang Xiong

- 2433** Isolation of cadmium-adsorbing bacteria for soil cadmium fixation

Min Yan, Shijie Qin, Yongliang Cui, Weiguo Tu, Tian Shen, Han Liu, Fang Zhang, Xiumei Yu

- 2449** Comparison of bacterial diversity in rhizosphere soil of potato in different habitats

Minzi Xiong, Yapeng Chao, Pan Zhao, Shuangwei Song, Yingying Shi, Chengbao Mo, Naiqin Zhong

- 2460** Efficient synthesis of (S)-phenyl-1,2-ethanediol using xylan as the co-substrate by a multi-enzyme fusion expression system

Junchao Rao, Rongzhen Zhang, Yan Xu

- 2474** Isolation and identification of venturicidins biosynthetic gene cluster from *Streptomyces* sp. NO1W98

Shaofei Zhang, Yuan Zhang, Chuanpu Shen, Qi Chen

- 2486** Improving catalytic activity of alanine racemase from *Salmonella typhimurium* by error-prone PCR

Doudou Zheng, Suya Luo, Muhua Du, Guangzheng He, Shujing Xu, Jiansong Ju

- 2497** Production of lipid from walnut shell extracts by *Monoraphidium* sp. QLZ-3

Jiali Cui, Jinkun You, Jieshi Li, Tengsheng Qiao, Xunzan Dong

- 2510** Virulence genes and molecular characteristics of chicken-derived *Escherichia coli*

Liwei Zhang, Yuxiang Shi, Yongying Zhang, Xinze Li, He Hao, Yuan Zhu, Shuang Zhou, Zhichao Wang, Tongtong Du, Ahemaerlie Haiyilati, Xinxin Shi, Wang Han, Xing Tong, Zhen Zhu

- 2520** Regulatory role of *Listeria monocytogenes* glutathione synthetase in bacterial motility and flagellar production

Li Gan, Yiran Zhu, Yijie Lu, Jing Sun, Zhongwei Chen, Changyong Cheng, Houhui Song

- 2537** Expression of genes regulated by acid adaptation related TCS1 of *Lactobacillus delbrueckii* subsp. *bulgaricus* improved acid tolerance of *Lactococcus lactis* subsp. *cremoris* NZ9000

Chao Wang, Yanhua Cui, Xiaojun Qu

- 2554** Screening and genome analysis of arsenite-oxidizing strain *Bosea* sp. AS-1

Chaoyang Liu, Li Xiang, Hongmei Wang, Xiaolu Lu

- 2571** Diversity and source tracking of microbial community in Pixian broad bean paste

Yida Bao, Lijie Zhang, Pengfei Zheng, Haifeng Chen, Jiaquan Huang, Yan Xu

- 2581** Subcellular localization of a type III secreted effector XopXccR1 of *Xanthomonas campestris* pv. *campestris* in plant cells

Yanru Feng, Yajun Gao, Xiaohong Hang, Yongqiang He, Bole Jiang

- 2582** Effect of genistein on MRSA efflux protein expression

Mingzhu Sun, Shanshan Pan, Di Wang, Zheng Gong, Mingjie Xie

- 2605** Cloning, expression and characterization of a gene encoding the esterase hydrolyzing *R,S*-metalaxyl high *R*-enantioselectively

Zhaohui Zhang, Kang Peng, Yanan Lu, Yuele Lu

- 2619** Analysis of virulence genes and antibiotic resistance of *Photobacterium damsela* isolated from marine fishes in coastal South China

Yiqin Deng, Liwen Xu, Yaqiu Zhang, Zhixun Guo, Juan Feng

(本期责编: 李磊)