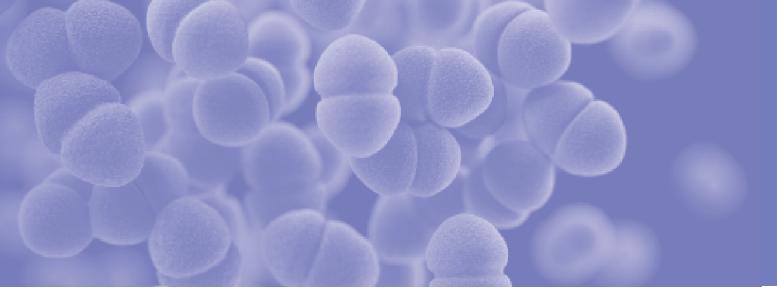


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- 1748 走出中国：酿酒酵母的起源、驯养与演化
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- 1787 药物类新污染物的微生物降解机制研究进展
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- 1833 拉曼光谱检测微生物的研究方法和进展
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- 1850 组学视角下养殖动物消化道微生物组结构与功能研究进展
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- 1863 益生菌的应用现状和发展前景
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- 1888 覆土栽培食用菌的微生物病害防控
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- 1899 微生物参与海草床元素循环及其生态修复功能
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- 1917 合成生物学方法构建电活性大肠杆菌
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- 1930 抗逆放线菌的多样性、功能特性及其在环境修复中的应用
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- 1944 柑橘溃疡病及其微生物防治研究进展
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研究报告

- 1959 构建冻干无细胞生物传感器快速检测临床铜绿假单胞菌感染
黄慧文, 俞鼎辰, 李一荣, 刘天罡

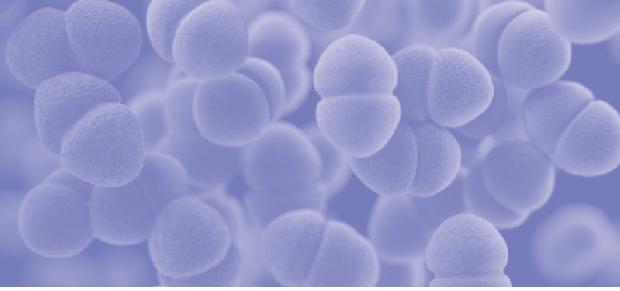
- 1970 幽门螺杆菌分子伴侣GroEL相互作用蛋白分析
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- 1982 荆皮癣湿敷诱导红色毛癣菌凋亡的机制研究
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- 1991 利迪链霉菌K2对灰霉病菌的抑菌效果及抑菌物质鉴定
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- 2007 β -葡萄糖苷酶的糖耐受和促活性质研究
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- 1833 Methods in the detection of microorganisms by Raman spectroscopy
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- 1850 Research advances in livestock digestive tract microbiome
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- 1863 Current application status and development prospect of probiotics
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- 1888 Prevention and control of microbial diseases in soil-covered cultivation of edible fungi
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- 1899 The contribution of microorganisms of biogeochemical cycling to seagrass meadows and their restore functions
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- 1917 Synthetic biology methods for constructing electroactive *Escherichia coli*
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- 1930 Diversity, functional characteristics, and environmental remediation potential of stress-tolerant actinomycetes
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- 1944 Research progress on citrus canker disease and its microbial control
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- 1959 Developing a lyophilized cell-free biosensor for rapid diagnostics of clinical *Pseudomonas aeruginosa* infections
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- 1970 Interacting proteins of *Helicobacter pylori* GroEL protein
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