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安徽工程大学, 生物与食品工程学院, 教授

□□ 教育背景

2010.07-2014.12, 江南大学, 生物工程学院, 博士

2002.07-2005.06, 华南农业大学, 食品学院, 硕士

1998.07-2002.06, 安徽科技学院(原安徽农业技术师范学院), 生物科学系, 学士

□□ 教学方面

1. 生物化学

2. 分子生物学

3. 发酵工厂设计

□□ 科研方面

主持项目

(1) 国家自然科学基金面上项目: 苯丙氨酸变位酶区域选择性氨化3-

芳香丙烯酸分子机制及酶分子改造(31671797), 主持

(2) 安徽省中央引导地方科技发展专项基金项目: 糖尿病人专用食品生产关键技术及产业化(YDZX20183400004622), 主持

(3) 安徽高校省级自然科学研究项目: 苯丙氨酸变位酶的分子改造及一步催化合成β-苯丙氨酸(KJ2016A801), 主持

发表文章

(1) **Longbao Zhu**, Zhao Kuang, Ping Song, Wanzhen Li, Lin Gui. Gold nanorod-loaded thermosensitive liposomes facilitate the targeted release of ruthenium(II) polypyridyl complexes with anti-tumor activity, *Nanotechnology*, 2021

(2) **LongBao Zhu**, WenLiang Xu, WeiWei Zhang, MingCai Wu, WanZhen Li1, Fei Ge1, YuGui Tao, Ping Song. De novo synthesis of pH-responsive, self-assembled, and targeted polypeptide nano-micelles for enhanced delivery of doxorubicin, *Nanotechnology*, 2021

(3) **Longbao Zhu**, Jing Yang1, Fei Ge1*, Qiangguo Feng1, Wanzhen Li1, Ping Song1, Yugui Tao1#, Zhemin Zhou. Investigation into Isomerization Reaction of Phenylalanine Aminomutase from *Pantoea agglomeran*, *Enzyme and Microbial Technology*, 2020

(4) **Longbao Zhu**, Guoqiang Feng, Fei Ge, Ping Song, Taotao Wang, Yi Liu, Yugui Tao, Zhemin Zhou. One-Pot Enzymatic Synthesis of D-Arylalanines Using

Phenylalanine Ammonia Lyase and L-Amino Acid Deaminase, Applied

Biochemistry and Biotechnology, 2019

(5) **Longbao Zhu**, Fei Ge., Wanzhen Li, Ping Song, Hongjin Tang, Yugui Tao, Yi

Liu, Guocheng Du. One Step Synthesis of Unnatural beta-Arylalanines Using Mutant

Phenylalanine Aminomutase from *Taxus chinensis* with High beta-

Regioselectivity, Enzyme and Microbial Technology, 2018