

个人免冠近照	基本信息	
	姓名	李颜颜
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个人简介		
<p>长期从事微生物内毒素及其转录调控机制的研究，主要承担微生物代谢工程、生物学课程的讲授工作。近年来共发表高水平研究论文30余篇，累计影响因子达100以上；申请发明专利10项，授权发明专利6项；主持包括国家自然科学基金、江苏省自然科学基金等在内的省部级科研项目3项；指导学生获得省挑战杯，国际学科竞赛奖。现为BMC Microbiology, Frontier in Microbiology杂志编委（学术或行业兼职）。</p>		
学习工作经历（自本科填起）		
<p>③ 2016-2018, 美国哈佛大学医学院—细胞生物学系, 博士后 ③ 2012-2016, 江南大学食品科学与技术国家重点实验室, 副教授 ③ 2009-2012, 美国马里兰大学-病原微生物系, 联合培养博士研究生 ③ 2010-2011, 美国杜克大学-生物化学系, 联合培养博士研究生 ③ 2008-2009, 江南大学生物工程学院-发酵工程, 博士研究生 ③ 2007-2008, 江南大学生物工程学院-生物化学与分子生物学 ③ 2003-2007, 河北农业大学-生物工程, 工学学士</p>		
主要代表性成果:		
一、论文（论著）发表情况		
<p>1. Jia X, Hua J, Liu L, Xu Z, Li Y*. Phenotypic characterization of pathogenic Cronobacter spp. strains. <i>Microbial Pathogenesis</i>. 2018, 109:313-318 (May) 2. Liu J, Deng Y, Li L, Li B, Li Y, Zhou S, Shirliff ME, Xu Z, Peters BM. Discovery and control of culturable and viable but non-culturable cells of a distinctive <i>Lactobacillus harbinensis</i> strain from spoiled beer. <i>Sci Rep</i>, 2018, Jul 30, 8(1):11446 3. Zhang H, Li Y, Wang C, Wang X. Understanding the high L-valine production in <i>Corynebacterium glutamicum</i> VWB-1 using transcriptomics and proteomics. <i>Sci Rep</i>, 2018, 8(1):3632 4. Mi W, Li Y, Yoon SH, Ernst RK, Walz T, Liao M. Structural basis of MsbA-mediated lipopolysaccharide transport. <i>Nature</i>, 2017, 549(7671):233-237 (Sep) 5. Yun J, Wang X, Zhang L, Li Y*. Effects of lipid A acyltransferases on the pathogenesis of <i>F. novicida</i>. <i>Microbial Pathogenesis</i>. 2017, 109:313-318 (Aug) 6. Bao X, Yang L, Chen L, Li B, Li L, Li Y*, Xu Z*. Analysis on pathogenic and virulent characteristics of the <i>Cronobacter sakazakii</i> strain BAA-894 by whole genome sequencing and its demonstration in basic biology science. <i>Microbial Pathogenesis</i>. 2017, 109:280-286 (Aug) 7. Bao X, Yang L, Chen L, Li B, Li L, Li Y*, Xu Z*. Virulent and pathogenic features on the <i>Cronobacter sakazakii</i> polymyxin resistant pmr mutant strain s-3. <i>Microbial Pathogenesis</i>. 2017, 110:359-364 (Sep) 8. Bao X, Jia X, Chen L, Peters B, Lin C, Chen D, Li L, Li B, Li Y*, Xu Z*, Shirliff M. Effect of polymyxin resistance (pmr) on biofilm formation of <i>Cronobacter sakazakii</i>. <i>Microbial Pathogenesis</i>. 2017, 106:16-19 (May) 9. Liu Y, Li Y, Wang X. Molecular evolution of acetohydroxyacid synthase in bacteria. <i>Microbiologyopen</i>, 2017 Aug 6. doi: 10.1002/mbo3.524. 10. 肖超, 张梁*, 李颜颜*, 辛瑜, 陈国安, 杨盛荣. 蜡样芽孢杆菌磷脂酶C在乳酸克鲁维酵母中重组表达、纯化及酶学性质分析. <i>微生物学报</i>. 2017, 2017,57(1):87-96</p>		

11. Li Y*, Yoon SH, Wang X, Ernst RK, Goodlett DR*. Structural Derivation of lipid A from *Cronobacter sakazakii* using Tandem Mass Spectrometry. *Rapid Commun Mass Spectrom.* 2016, 30(20): 2265-70 IF 2.226
12. Liu L, Li Y*, Wang X*, Guo W. A phosphoethanolamine transferase specific for the 4'-phosphate residue of *Cronobacter sakazakii* lipid A. *J Appl Microbiol.* 2016, 121(5):1444-1456 IF 2.156
13. Li Y*, Yun J, Liu L, Li Y, Wang X. Identification of Two Genes Encoding for the Late Acyltransferases of Lipid A in *Klebsiella pneumoniae*. *Curr Microbiol.* 2016, 73(5), 732-738 IF 1.519
14. Liu Y, Li Y, Wang X. Acetohydroxyacid synthases: evolution, structure, and function. *Appl Microbiol Biotechnol.* 2016, 100(20):8633-49
15. Zhao X, Liu Q, Xiao K, Hu Y, Liu X, Li Y, Kong Q. Identification of the *crp* gene in avian *Pasteurella multocida* and evaluation of the effects of *crp* deletion on its phenotype, virulence and immunogenicity. *BMC Microbiol.* 2016, 16, 125 IF 2.581
16. 陈诚; 李颜颜; 尹良鸿; 胡瑾瑜; 王小元. 全局调控因子Lrp的表达强化谷氨酸棒状杆菌发酵生产L-缬氨酸2016; 35, 920-927.
17. Liu Q, Li Y, Zhao X, Yang X, Liu Q, Kong Q. Construction of *Escherichia coli* Mutant with Decreased Endotoxic Activity by Modifying Lipid A Structure. *Marine Drugs.* 2015, 13(6):3388-406
18. Wang B, Han Y, Li Y, Li Y, Wang X. Immuno-Stimulatory Activity of *Escherichia coli* Mutants Producing Kdo2-Monophosphoryl-Lipid A or Kdo2-Pentaacyl-Monophosphoryl-Lipid A. *PLoS One.* 2015, 10(12), e0144714
19. Chen C, Li Y, Hu J, Dong X, Wang X. Metabolic engineering of *Corynebacterium glutamicum* ATCC13869 for L-valine production. *Metab Eng.* 2015, 29, 66-75
20. HuJ, Li Y, Zhang H, Tan Y, Wang X. Construction of a novel expression system for *Corynebacterium glutamicum*. *Plasmid.* 2014, 75, 18-26
21. Yu X, Li Y, Wang X*. The role of ACT-like subdomain in bacterial threonine dehydratases. *Plos one.* 2014, 9(1):e87550. IF 3.73
22. 细菌苏氨酸脱水酶受L-异亮氨酸反馈抑制的关键在于其调控结构域 于雪飞; 尹良鸿; 李焯; 李颜颜; 王小元 *工业微生物*, 05期, pp 1-6, 2014
23. Li Y, Wang Z, Chen J, Ernst RK, Wang X*. Influence of lipid A acylation pattern on membrane permeability and innate immune stimulation. *Marine Drugs.* 2013; 11(9):3197-3208. IF 3.978
24. Cai L+, Li Y+ (+ Co-first author), Tao G, Zhang C, Guo W, Wang X*. Identification of Three Genes Encoding for the Late Acyltransferases of Lipid A in *Cronobacter sakazakii*. *Marine. Drugs.* 11(2), 377-386, 2013. IF 3.978
25. Hu J, Tan Y, Li Y, Hu X, Xu D, Wang X*. Construction and application of an efficient multiple-gene-deletion system in *Corynebacterium glutamicum*, *Plasmid* 2013, 70:303-313 IF 1.276
26. Li Y, Powell DA, Shaffer SA, Rasko DA, Pelletier MR, Leszyk JD, Scott AJ, Masoudi A, Goodlett DR, Wang X, Raetz CR, Ernst RK*. LPS remodeling is an evolved survival strategy for bacteria. *Proc Natl Acad Sci.* 109(22):8716-8721, 2012. IF 9.737
27. Powell DA+, Li Y+ (+Co-first author), Ernst RK*. The LPS Thermostat: Turning up *Francisella* Pathogenesis. *Virulence.* 3(7): 6-8, 2012. IF 2.787
28. Yoon S H, Huang Y, Edgar JS, Ting Y S, Heron, S R, Kao Y, Li Y, Masselon C D, Ernst R K, Goodlett D R*. Surface Acoustic Wave Nebulization Facilitating Lipid Mass Spectrometric Analysis. *Anal Chem.* 84(15):6530-6537, 2012. IF 5.89
29. Li Y, Wang X, Ernst R K*. A rapid on-step method for the characterization of membrane lipid remodeling in *Francisella* using matrix-assisted laser desorption ionization time-of-flight tandem mass spectrometry. *Rapid Commun. Mass Spectrom.* 25, 2641-2648, 2011. IF 2.846
30. Li Y, Wu S, Wang L, Li Y, Shi F, Wang X*. Differentiation of bacteria using fatty acid profiles from gas chromatography-tandem mass spectrometry. *J Sci Food Agric.* 90(8):1380-3, 2010. IF 1.36
31. Zhang C, Li Y, Tao G, Li Y, Wang X*. Structural characterization of lipid A in food borne pathogen *Cronobacter sakazakii*. *Eur J Mass Spectrom.* 16(4):531-8, 2010. IF 1.34
32. Wang X*, Guan Z, Li Y, Raetz CRH. Application of electrospray ionization mass spectrometry to characterize glycerophospholipids in *Francisella tularensis* subsp. *novicida*. *Int J Mass Spectrom.* 293: 45-50. 2010. IF 2.267

二、专利情况

1. 王小元*, 胡璟瑜, 谭严震, 李颜颜, 李焯. 一种棒状杆菌基因连续敲除系统及其构建方法和应用, 2013, 中国, 201310215508.9 CN 103409446
2. 王小元, 胡谨瑜, 李颜颜, 胡晓清, 谭延振. 一种不依赖抗生素为选择压力的棒状杆菌表达系统, 2014, 中国, 201410052649.8 CN 103834679
3. 王小元, 陈诚, 李颜颜, 胡谨瑜. 一株高产L-缬氨酸的谷氨酸棒状杆菌工程菌的构建及其发酵产L-缬氨酸的方法, 2014, 中国, 201410183974.8
4. 王小元, 秦天宇, 胡晓清, 李焯, 李颜颜. 一株高产L-甲硫氨酸的谷氨酸棒杆菌的构建及应用. 2014, 中国, 201410254429.3
5. 王小元, 赵建勋, 胡晓清, 李颜颜, 尹良鸿. 一株过表达fusA基因工程菌的构建方法及其应用. 2014, 中国, 201410241622.3 CN 104212756
6. 王小元, 王碧雯, 韩亚宁, 李焯, 李颜颜, 一种低毒含五条脂肪酸链的Kdo2-单磷酸类脂A, 2015.5.28, CN201510282822
7. 王小元, 王碧雯, 韩亚宁, 李焯, 李颜颜, 一种新型低毒的Kdo2-单磷酸内脂A的制备及其应用, 2015, 201510284792.4
8. 李颜颜, 王小元, 刘璐, 一种Cronobacter sakazakii的类脂A结构突变株的构建及其应用, 2016, 201610065742.1
9. 李颜颜, 王小元, 刘璐, 一株减毒类脂A的Cronobacter sakazakii突变株及其应用, 2016, 201610065729.6
10. .王小元*, 李颜颜, 许阳光 李焯 史峰 吝易. 一种应用多重PCR技术检测土拉弗朗西斯菌的方法, 2011, 中国, 200810156663.7, CN 101372713

三、承担教学科研项目情况

- 1、
- 2、

四、获奖情况(含指导学生获奖)

- 1、
- 2、

以上资料更新时间截止：2018年10月