



毛胜勇

简介:

毛胜勇教授: 研究方向为反刍动物营养、饲用微生物资源开发利用
通过对反刍动物瘤胃酸中毒的发生机制及营养调控研究, 阐明了瘤胃酸中毒发病的微生物学机制, 揭示了瘤胃乳酸积累的微生物作用机制, 为瘤胃酸中毒的定向调控提供了重要理论依据。

详细介绍:

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研究方向: 反刍动物营养、饲用微生物资源开发利用

参加学术团体及任职情况:

1. 江苏省消化道营养与动物健康重点实验室, 副主任.
2. 中国畜牧兽医学学会, 会员。

承担项目

(1) 项目主持。国家自然科学基金面上项目(2014-2017) JAK/STAT3 通路调控蹄组织中 MMP-2/9 活性在 SARA 引发的蹄叶炎发病中的作用与营养干预研究, 83 万元。项目主持。(2) 项目主持。国家自然科学基金面上项目(2011-2015)——亚临床瘤胃酸中毒损伤瘤胃上皮细胞紧密连接的分子机制研究, 62 万元。

(3) 项目主持。国家“973 项目”子课题(2011-2015)——消化道内乳成分前体物生成与吸收的规律及其调节机制, 100 万元。

奖励及荣誉: 教育部自然科学二等奖 家畜胃肠道微生物功能及其调控研究。排名第二
国家优秀教学成果二等奖一次。

论文论著:

近 4 年发表的第一作者与通讯作者文章

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3. Zhang, R., Huo, W., Zhu, W., & Mao, S*. (2014). Characterization of bacterial community of raw milk from dairy cows during subacute ruminal acidosis challenge by high - throughput sequencing. *Journal of the Science of Food and Agriculture*.
4. J Liu, T Xu, W Zhu, S Mao*. A high-grain diet alters the omasal epithelial structure and expression of tight junction proteins in a goat model. *The Veterinary Journal*, 2014
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6. Zhang, R., Zhu, W., Zhu, W., Liu, J., & Mao, S*. (2013). Effect of dietary forage sources on rumen microbiota, rumen fermentation and biogenic amines in dairy cows. *Journal of the science of food and agriculture*.
7. Rui-yang Zhang, Ilkyu Yoon,1 Wei-yun Zhu, and Sheng-yong Mao*. Effect of saccharomyces cerevisiae fermentation product on lactation performance and lipopolysaccharide concentration of dairy cows. *Asian-Australasian Journal of Animal Sciences*, 2013,1137-1143
8. Huo, Wenjie; Zhu, Weiyun; Mao, Shengyong*. Effects of Feeding Increasing Proportions of Corn Grain on Concentration of Lipopolysaccharide in the Rumen Fluid and the Subsequent Alterations in Immune Responses in Goats. 2013, *Asian-Australasian Journal of Animal Sciences*, 1437-1445
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11. Mao, Shengyong*; Huo, Wenjie; Zhu, Weiyun. Use of Pyrosequencing to Characterize the Microbiota in the Ileum of Goats Fed with Increasing Proportion of Dietary Grain.*Current Microbiology*, 2013, 341-350
12. Wang, D. S.; Zhang, R. Y.; Zhu, W. Y.; Mao, S. Y*. Effects of subacute ruminal acidosis challenges on fermentation and biogenic amines in the rumen of dairy cows.*Livestock Science*, 2013, 262-272
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14. 张瑞阳; 王东升; 朱伟云; 毛胜勇*.奶牛静脉血内毒素浓度及其与产奶量的相关性。 *动物营养学报* 2012, 822-827
15. 魏德泳; 朱伟云; 毛胜勇*. 山羊瘤胃内产乳酸菌的分离鉴定及其产 D-、L-乳酸特性的研究. *动物营养学报* 2011. 965-970
16. 魏德泳; 朱伟云; 毛胜勇*, 日粮不同 NFC/NDF 比对山羊瘤胃发酵与瘤胃微生物区系结构的影响.*中国农业科学* 2012, 1392-1398
17. 井龙晖; 张瑞阳; 朱伟云; 毛胜勇*. 颈静脉灌注脂多糖对奶牛外周血循环中蛋白质、脂质和氨基酸浓度的影响. *动物营养学报* 2013, 2913-2919
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19. 王东升; 霍文婕; 朱伟云; 毛胜勇*. 反相高效液相色谱法测定瘤胃液中的生物胺. *动物营养学报* 2011, 2165-2169
20. 毛胜勇*; 苏勇; 杨翠凤; 朱伟云. 仔猪结肠中产甲烷菌群多样性及其与环境因子的相关性.*微生物学报* 2011, 1390-1397
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22. 毛胜勇*; 龙黎明; 朱伟云. 体外研究反刍兽新月形单胞菌及与酵母联用对瘤胃微生物发酵的影响.*微生物学报* 2010. 176-186
23. 毛胜勇*; 王新峰; 朱伟云. 体外法研究延胡索酸二钠对瘤胃微生物发酵活力及甲烷产量的影响. *草业学报* 2010, 69-75 第二作者及其他

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