

2016

- ☆ **Wang JK***, Liu M, Wu YL, Wang L, Liu JX, Jiang LS, Yu ZT. 2016. Medicinal herbs as a potential strategy to decrease methane 1 production by rumen microbiota: A systematic evaluation with a focus on *Perilla frutescens* seed extract. *Appl Microbiol Biotechnol.* 100(22):9757-9771
- ☆ Yang CL, Mi L, Hu XL, Liu JX, **Wang JK***. 2016. Investigation into Host Selection of the Cecal Acetogen Population in Rabbits after Weaning. *PLoS One.* 11(7): e0158768
- ☆ Peng YJ, **Wang JK***, Lin J, Liu JX. 2016. Effect of dietary soybean oil and antioxidants on fatty acids and volatile compounds of tail subcutaneous and perirenal fat tissues in fattening lambs. *J Anim Sci Biotechnol.* 7:24
- ☆ Zhu W, Zhang BX, Yao KY, Yoon I, Chung YH, **Wang JK**, Liu JX. 2016. Effects of supplemental levels of *saccharomyces cerevisiae* fermentation product on lactation performance in dairy cows under heat stress. *Asian Austral J Anim Sci.* 29(6):801-806
- ☆ Ramírez-Restrepo CA, Tan C, O'Neill CJ, NicolásLópez-Villalobos N, Padmanabha J, **Wang JK**, McSweeney CS. 2016. Methane production, fermentation characteristics, and microbial profiles in the rumen of tropical cattle fed tea seedsaponin supplementation. *Anim Feed Sci Technol.* 216:58-67
- ☆ 刘美, 刘建新, **王佳莹***. 2016. 植物挥发油对反刍动物瘤胃发酵的调控作用. *中国畜牧杂志*, 52(15):83-89

2015

- ☆ Wang Q, Luo Y, He B, Jiang LS, Liu JX, **Wang JK***. 2015. Characterization of a novel xylanase gene from rumen content of Hu sheep. *Appl Biochem Biotechnol.* 177(7):1424-1436
- ☆ Yang B, He B, Wang SS, Liu JX, **Wang JK***. 2015. Early supplementation of starter pellets with alfalfa improves the performance of pre- and postweaning Hu lambs. *J Anim Sci.* 93(10):4984–4994
- ☆ **Wang JK***, He B, Du W, Luo Y, Yu ZT, Liu JX. 2015. Yeast with surface displayed xylanase as a new dual purpose delivery vehicle of xylanase and yeast. *Anim Feed Sci Technol.* 208:44-52
- ☆ Yi XW, Yang F, Liu JX, **Wang JK***. 2015. Effects of replacement of concentrate mixture by broccoli byproducts on milk performance in lactating dairy cows. *Asian Austral J Anim Sci.* 28(10):1449-1453
- ☆ Yang CL, Guan LL, Liu JX, **Wang JK***. 2015. Rumen fermentation and acetogen population changes in response to an exogenous acetogen TWA4 strain and *saccharomyces cerevisiae* fermentation product. *J Zhejiang Univ Sci B.* 16(8):709-719
- ☆ Wang Q, Du W, Weng XY, Liu MQ, **Wang JK***, Liu JX. 2015. Recombination of thermo-alkalstable, high xylooligosaccharides producing endo-xylanase from *thermobifida fusca* and expression in *pichia pastoris*. *Appl Biochem Biotechnol.* 175(3):1318-1329
- ☆ Sun HZ, Wang DM, Wang B, **Wang JK***, Liu HY, Guan LL, Liu JX*. 2015. Metabolomics of four biofluids from dairy cows: potential biomarkers for milk production and quality. *J Proteome Res.* 14(2):1287-1298

- ☆ Liu J, Pu YY, Xie Q, **Wang JK***, Liu JX*. 2015. Pectin induces an *in vitro* rumen microbial population shift attributed to the *pectinolytic treponema* group. *Curr Microbiol.* 70(1):67-74
- ☆ Nayak D, Saetnan E, Cheng K, Wang W, Koslowski F, Cheng YF, Zhu WY, **Wang JK**, Liu JX, Moran D. 2015. Management opportunities to mitigate greenhouse gas emissions from Chinese agriculture. *Agr Ecosyst Environ.* 209(SI):108-124
- ☆ 罗阳, 何波, **王佳堃***, 刘建新. 2015. 利用宏基因组技术发掘新木聚糖酶基因. 中国畜牧杂志, 51(11):86-91
- ☆ 王珊珊, **王佳堃***, 刘建新. 2015. 肠道微生物对宿主免疫系统的调节及其可能机制. 动物营养学报, 27(2): 375-382

2014

- ☆ Gagen EJ¹, **Wang JK**¹ (¹ equal contribution), Padmanabha J, Liu J, Carvalho de Carvalho IP, Liu JX, Webb RI, Al Jassim R, Morrison M, Denman SE, McSweeney CS. 2014. Investigation of a new acetogen isolated from an enrichment of the tammar wallaby forestomach. *BMC Microbiol.* 14(1):314
- ☆ Du W, Wang Q, **Wang JK***, Liu JX. 2014. Enhanceing catalytic activity of a xylanase retrieved from a fosmid library of rumen microbiota in Hu sheep by directed evolution. *J Anim Vet Adv.* 13(8):538-544
- ☆ Wang B, Mao SY, Yang HJ, Wu YM, **Wang JK**, Li SL, Shen ZM, Liu JX. 2014. Effects of alfalfa and cereal straw as a forage source on nutrient digestibility and lactation performance in lactating dairy cows. *J dairy Sci.* 97(12):7706-15
- ☆ Liu J, **Wang JK**, Zhu W, Pu YY, Guan LL, Liu JX. 2014. Monitoring the rumen pectinolytic bacteria *treponema saccharophilum* using real-time PCR. *FEMS Microbiol Ecol* 87(3): 576-585
- ☆ 董泽伟, **王佳堃***, 刘建新. 2014. 维生素 E 的抗氧化功能及其在奶牛生产中的应用. 中国畜牧杂志, 50(16):39-44

2013

- ☆ Mao HL, Wu CH, **Wang JK**, Liu JX. 2013. Synergistic effect of cellulase and xylanase on *in Vitro* rumen fermentation and microbial population with rice straw as substrate. *Anim Nutri Feed Technol.* 139(3)SI: 447-487
- ☆ Mao HL, Mao HL, **Wang JK**, Liu JX, Yoon I. 2013. Effect of *saccharomyces cerevisiae* fermentation product on *in vitro* fermentation and microbial communities of low-quality forage and mixed diets. *J Anim Sci.* 91(7): 3291-3298
- ☆ 杜文, 王谦, **王佳堃***, 刘建新. 2013. 木聚糖酶基因的体外定向进化. 动物营养学报, 25(10): 2202-2211

2012

- ☆ **Wang JK***, Sun ZY, Zhou Y, Wang Q, Ye JA, Chen ZM, Liu JX. 2012. Screening of a xylanase clone from a fosmid library of rumen microbiota in Hu sheep. *Anim Biotechnol.* 23(3): 156-173
- ☆ **Wang JK**, Ye JA, Liu JX. 2012. Effects of tea saponins on rumen microbiota, rumen fermentation, methane production and growth performance-a review. *Trop Anim Health Prod.* 44(4): 697-706

- ☆ Peng YJ, **Wang JK**, Ren DX, Lin J, Liu JX. 2012. Different patterns of volatile compounds and fatty acid profiles in the adipose tissues of male and female Hu sheep. *Acta Agric Scand Sect A-Anim Sci.* 62(3): 153-158
- ☆ Mao HL, **Wang JK**, Lin J, Liu JX. ,2012. Fatty acid profiles and stearyl-coA desaturase gene expression in longissimus dorsi muscle of growing lambs influenced by addition of tea saponins and soybean oil. *Asian Austral J Anim Sci.* 25(5): 648-652
- ☆ Zhou YW, McSweeney C S, **Wang JK**, Liu JX. 2012. Effects of disodium fumarate on ruminal fermentation and microbial communities in sheep fed on high-forage diets. *Animal.* 6(5): 815-823
- ☆ 杨春蕾, 孙中远, **王佳莹***, 刘建新. 2012. 通过强化产乙酸菌途径实现瘤胃甲烷减排. *动物营养学报*, 24 (5): 796-803