

Professor WANG Mengzhi

College	College of Animal Science & Technology
Current Position	Professor
Types of Tutor	Doctoral Tutor
Language	Chinese/English
Education	1988.09—1992.07, Yangzhou University, Bachelor of Animal Science 2003.09—2005.07, Guizhou University, Master of Animal Genetics, Breeding and Reproduction 2005.09—2008.07, Yangzhou University, PhD OF Animal Nutrition and Feed Science
Research Interests	Ruminants nutrition and metabolic regulation
Selected Publications	<p>[1]Ding L., Y. Shen, Y. Wang, G. Zhou, X. Zhang, M. Wang*, J. J. Loor, L. Chen, J. Zhang. Jugular arginine supplementation increases lactation performance and nitrogen utilization efficiency in lactating dairy cows. <i>Journal of Animal Science and Biotechnology</i>, Online: 21 January 2019, https://doi.org/10.1186/s40104-018-0311-8</p> <p>[2]Ding L.Y., Y.F. Wang, Y.Z. Shen, G. Zhou, X. Zhang, M.Z. Wang*, J.J. Loor, J. Zhang*. Effects of arginase inhibition via jugular infusion of N (omega)-hydroxy-nor-L-arginine on metabolic and immune indices in lactating dairy cows. <i>Journal of Dairy Science</i>, 2019, 102:1-11. https://doi.org/10.3168/jds.2018-14879</p> <p>[3]Ding L. Y., L. M. Chen, M. Z. Wang*, J. Zhang*, J. J. Loor, G. Zhou, X. Zhang, H. R. Wang. Inhibition of arginase via jugular infusion of Nω-hydroxy-nor-l-arginine inhibits casein synthesis in lactating dairy cows. <i>Journal of Dairy Science</i>, 2018, 101(4):3514-3523. doi:10.3168/jds.2017-13178</p> <p>[4]Mengzhi Wang*, Yujia Jing, Zhang Jun, Shimin</p>

	<p>Liu, Jian Gao, Jialiang Ouyang, Phil Vercoe. Effects of unsaturation of long-chain fatty acids on rumen protozoal engulfment and microbial protein recycling in protozoa in vitro. <i>Animal Production Science</i>, 2019, 59, 647-653. https://doi.org/10.1071/AN17093</p> <p>[5] Ouyang J.L., M.Z. Wang*, Q.R. Hou, D. Feng, Y. Pi, W.G. Zhao. Effects of dietary mulberry leaf powder in concentrate on the rumen fermentation and ruminal epithelium in fattening Hu sheep. <i>Animals</i>, 2019, 9, 218. doi:10.3390/ani9050218</p> <p>[6] Liangyu Hu, Bolin Xu, Yifan Wang, Mengzhi Wang*, Hongrong Wang*. Influence of arginine on enzymes related to arginine metabolism in bovine mammary epithelial cells in vitro. <i>Canadian Journal of Animal Science</i>, 2019, 99:150-159. https://doi.org/10.1139/cjas-2017-0215</p>
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