

Ruminant Nutrition*Original research articles*

- Effects of sodium selenite and coated sodium selenite addition on performance, ruminal fermentation, nutrient digestibility and hepatic gene expression related to lipid metabolism in dairy bulls
Y.J. Liu, Z.D. Zhang, S.H. Dai, Y. Wang, X.F. Tian, J.H. Zhao, C. Wang, Q. Liu, G. Guo and W.J. Huo 104062
- Effects of dietary rumen-protected betaine supplementation on the antioxidant status of lambs
L. Yu, Y. Jin, H. Cui, Y. Luo, L. Dong and H. Wang 104026
- Effect of energy allowance to triplet-bearing ewes in late gestation on ewe performance, lamb viability, and growth
I. Dønnem, E.G. Granquist, E. Nadeau and Å.T. Randby 104027
- Effect of dietary probiotics supplementation on intake and production performance of ewes fed *Atriplex* hay-based diet
I.M. Khattab, A.M. Abdel-Wahed, A.S. Khattab, U.Y. Anele, A. El-Keredy and M. Zaher 104065

Non-Ruminant Nutrition*Original research articles*

- Effect of dietary inclusion of benzoic acid (VevoVital®) on the microbial quality of liquid feed and the growth and carcass quality of grow-finisher pigs
F.M. O' Meara, G.E. Gardiner, J.V. O' Doherty and P.G. Lawlor 104043
- Effects of *Macleaya cordata* extract on small intestinal morphology and gastrointestinal microbiota diversity of weaned pigs
Y. Li, F. Xu, X. Tong, R. Chen, C. Shen, T. Liang, Q. Chu and B. Zhou 104040
- Nitrogen utilization is lower for sorghum-based diets compared with corn-based diets in pigs
L. Pan and D. An 104066
- The effect of supplementation with omega-3 and 6 fatty acids to mares during late gestation and early lactation on the transfer of passive immunity in foals
A.A.d.O. Gobesso, H.C. Mazzo, C. Bianconi, F.V. Freitas, G.d.V. Pombo, Y.S. Pereira, T.N. Centini, R. Françoso and J.C.d.C. Balieiro 104072

Soybean bioactive peptides supplementation during late gestation and lactation affect the reproductive performance, free amino acid composition in plasma and milk of sows

- Y. Zhuo, M. Cao, Y. Li, L. Tang, W. Li, X. Jiang, W. Xiao, S. Liu, X. Jiang, Z. Fang, L. Che, S. Xu, B. Feng, J. Li, Y. Lin and W. De 104064

Behaviour, Health and Welfare*Original research articles*

- Isolation, characterization and selection of potential probiotic lactic acid bacteria from feces of wild boar, native pig and commercial pig
J. Huang, W. Zhang, Z. Hu, Z. Liu, T. Du, Y. Dai and T. Xiong 104036

Livestock Farming Systems and Management*Original research articles*

- Intensification of cow-calf production: How does the system respond biologically to energy inputs in a long-term horizon?
F.A. López-González, R. Allende, J.M.S. de Lima, M.E.A. Canozzi, A.G. Sessim and J.O.J. Barcellos 104058
- Cost analysis and economic optimization of small-scale dairy production systems in Mexico
J.A. Salinas-Martínez, R.R. Posadas-Domínguez, L.D. Morales-Díaz, S. Rebollar-Rebollar and R. Rojo-Rubio 104028

Short communication

- Biosecurity levels of pig fattening farms from four EU countries and links with the farm characteristics
I. Chantziaras, J. Dewulf, T. Van Limbergen, T. Stadejek, J. Niemi, I. Kyriazakis and D. Maes 104037

Physiology*Original research articles*

- Computed tomography evaluation of gilt growth performance and carcass quality under feeding restrictions and compensatory growth effects on the sensory quality of pork
M. Font-i-Furnols, X. Luo, A. Brun, R. Lizardo, E. Esteve-Garcia, J. Soler and M. Gisbert 104023