

CONTENTS

Breeding and genetics	
<i>Lewis, C. R. G. and Bunter, K. L.</i>	
Body development in sows, feed intake and maternal capacity. Part 1: performance, pre-breeding and lactation feed intake traits of primiparous sows	1843
<i>Lewis, C. R. G. and Bunter, K. L.</i>	
Body development in sows, feed intake and maternal capacity. Part 2: gilt body condition before and after lactation, reproductive performance and correlations with lactation feed intake	1855
<i>Li, Y., Zhao, X., Pan, Z., Xie, Z., Liu, H., Xu, Y. and Li, Q.</i>	
The origin of the Tibetan Mastiff and species identification of <i>Canis</i> based on mitochondrial cytochrome c oxidase subunit I (COI) gene and COI barcoding	1868
<i>Todd, D. L., Woolliams, J. A. and Roughsedge, T.</i>	
Gene flow in a national cross-breeding beef population	1874
<i>Ettema, J. F., Østergaard, S. and Sørensen, M. K.</i>	
Effect of including genetic progress in milk yield on evaluating the use of sexed semen and other reproduction strategies in a dairy herd	1887
<i>Koeck, A., Fuerst-Waltl, B., Sölkner, J., Egger-Danner, C. and Mészáros, G.</i>	
Genetic evaluation of ovulatory disorders in Austrian Fleckvieh cows: a comparison between linear models and survival analysis	1898
Nutrition	
<i>Li, F. N., Li, L. L., Yang, H. S., Yuan, X. X., Zhang, B., Geng, M. M., Xiao, C. W. and Yin, Y. L.</i>	
Regulation of soy isoflavones on weight gain and fat percentage: evaluation in a Chinese Guangxi minipig model	1903
<i>Zhang, B., Yang, X., Guo, Y. and Long, F.</i>	
Effects of dietary lipids and <i>Clostridium butyricum</i> on serum lipids and lipid-related gene expression in broiler chickens	1909
<i>Balan, P., Han, K.-S., Singh, H. and Moughan, P. J.</i>	
Dietary supplementation with ovine serum immunoglobulin is associated with an increased gut luminal mucin concentration in the growing rat	1916
<i>Annett, R. W., Carson, A. F., Fearon, A. M. and Kilpatrick, D. J.</i>	
Effects of supplementation with fish oil and barium selenate on performance, carcass characteristics and muscle fatty acid composition of late season lamb finished on grass-based or concentrate-based diets	1923
Physiology and functional biology of systems	
<i>Saleri, R., Sabbioni, A., Vecchi, I., Davighi, I., Vaccari Simonini, F. and Superchi, P.</i>	
Peripheral cytokine expression in Standardbred mares at different adiposity during the periparturient period	1938
<i>Breton, A. B., Cockrum, R. R., Austin, K. J., Cammack, K. M., Ford, S. P., Hess, B. W., Moss, G. E., Nathanielsz, P. W. and Alexander, B. M.</i>	
Hypothalamic expression of genes for appetite regulators and estrogen α , estrogen β and leptin receptors in obese dams and their fetuses	1944
<i>Martins, A. P., Lopes, P. A., Costa, A. S. H., Martins, S. V., Santos, N. C., Prates, J. A. M., Moura, T. F. and Soveral, G.</i>	
Differential mesenteric fat deposition in bovines fed on silage or concentrate is independent of glycerol membrane permeability	1949
Farming systems and environment	
<i>Gouttenoire, L., Cournot, S. and Ingrand, S.</i>	
Modelling as a tool to redesign livestock farming systems: a literature review	1957
<i>Mosnier, E., van der Werf, H. M. G., Boissy, J. and Dourmad, J.-Y.</i>	
Evaluation of the environmental implications of the incorporation of feed-use amino acids in the manufacturing of pig and broiler feeds using Life Cycle Assessment	1972
<i>Duguma, G., Mirkena, T., Haile, A., Okeyo, A. M., Tibbo, M., Rischkowsky, B., Sölkner, J. and Wurzinger, M.</i>	
Identification of smallholder farmers and pastoralists' preferences for sheep breeding traits: choice model approach	1984
Product quality, human health and well-being	
<i>Benatmane, F., Kouba, M., Youyou, A. and Mouro, J.</i>	
Effect of a linseed diet on lipogenesis, fatty acid composition and stearoyl-CoA-desaturase in rabbits	1993
<i>Prache, S., Gatellier, P., Thomas, A., Picard, B. and Bauchart, D.</i>	
Comparison of meat and carcass quality in organically reared and conventionally reared pasture-fed lambs	2001
<i>Nassu, R. T., Dugan, M. E. R., Juárez, M., Basarab, J. A., Baron, V. S. and Aalhus, J. L.</i>	
Effect of α -tocopherol tissue levels on beef quality	2010
Reviewers of <i>Animal</i> for 2011	2019