

CONTENTS

Breeding and genetics

- Matika, O., Pong-Wong, R., Woolliams, J. A. and Bishop, S. C.* Confirmation of two quantitative trait loci regions for nematode resistance in commercial British terminal sire breeds 1149

- Fan, R., Dong, Y., Cao, J., Bai, R., Zhu, Z., Li, P., Zhang, J., He, X., Lü, L., Yao, J., Mondal, M., Smith, G. W. and Dong, C.* Gene expression profile in white alpaca (*Vicugna pacos*) skin 1157

- Berry, D. P. and Kearney, J. F.* Imputation of genotypes from low- to high-density genotyping platforms and implications for genomic selection 1162

Nutrition

- Slade, R. D., Kyriazakis, I., Carroll, S. M., Reynolds, F. H., Wellock, I. J., Broom, L. J. and Miller, H. M.* Effect of rearing environment and dietary zinc oxide on the response of group-housed weaned pigs to enterotoxigenic *Escherichia coli* O149 challenge 1170

- Xiccato, G., Trocino, A., Majolini, D., Fragkiadakis, M. and Tazzoli, M.* Effect of decreasing dietary protein level and replacing starch with soluble fibre on digestive physiology and performance of growing rabbits 1179

- Arroyo, J. M., González, J., Muñoz, J., Alvir, M. R., Rodríguez, C. A., Ibañez, M. A. and del Castillo, M. D.* In vitro efficiency of combined acid-heat treatments for protecting sunflower meal proteins against ruminal degradation 1188

Physiology and functional biology of systems

- McNamara, L. B., Giblin, L., Markham, T., Stickland, N. C., Berry, D. P., O'Reilly, J. J., Lynch, P. B., Kerry, J. P. and Lawlor, P. G.* Nutritional intervention during gestation alters growth, body composition and gene expression patterns in skeletal muscle of pig offspring 1195

- Digby, S. N., Chadwick, M. A. and Blache, D.* Salt intake and reproductive function in sheep (review) 1207

- Mach, N., Jacobs, A. A. A., Kruijt, L., van Baal, J. and Smits, M. A.* Alteration of gene expression in mammary gland tissue of dairy cows in response to dietary unsaturated fatty acids 1217

Behaviour, welfare and health

- Liu, X. B., Liang, A. X., Feng, X. G., Guo, A. Z., Ke, C. Y., Zhang, S. J. and Yang, L. G.* Oral and intranasal administration of somatostatin DNA vaccine mediated by attenuated *Salmonella Enterica* Serovar *Typhimurium* to promote growth of piglets 1231

- Sutherland, M. A., Davis, B. L. and McGlone, J. J.* The effect of local or general anesthesia on the physiology and behavior of tail docked pigs 1237

- Nielsen, B. L., Thodberg, K., Malmkvist, J. and Steenfeldt, S.* Proportion of insoluble fibre in the diet affects behaviour and hunger in broiler breeders growing at similar rates 1247

- Pavlenko, A., Bergsten, C., Ekesbo, I., Kaart, T., Aland, A. and Lidfors, L.* Influence of digital dermatitis and sole ulcer on dairy cow behaviour and milk production 1259

- Ungerfeld, R., Hötzl, M. J., Scarsi, A. and Quintans, G.* Behavioral and physiological changes in early-weaned multiparous and primiparous beef cows 1270

- Idris, A., Moors, E., Budnick, C., Herrmann, A., Erhardt, G. and Gauly, M.* Is the establishment rate and fecundity of *Haemonchus contortus* related to body or abomasal measurements in sheep? 1276

Farming systems and environment

- Aluwé, M., Millet, S., Bekaert, K. M., Tuyttens, F. A. M., Vanhaecke, L., De Smet, S., De Brabander, D. L.* Influence of breed and slaughter weight on boar taint prevalence in entire male pigs 1283

- Hernández, F., Martínez, S., López, C., Megías, M. D., López, M. and Madrid, J.* Effect of dietary crude protein levels in a commercial range, on the nitrogen balance, ammonia emission and pollutant characteristics of slurry in fattening pigs 1290

Product quality, human health and well-being

- Maxin, G., Rulquin, H. and Glasser, F.* Response of milk fat concentration and yield to nutrient supply in dairy cows 1299

- Kliem, K. E., Shingfield, K. J., Humphries, D. J. and Givens, D. I.* Effect of replacing calcium salts of palm oil distillate with incremental amounts of conventional or high oleic acid milled rapeseed on milk fatty acid composition in cows fed maize silage-based diets 1311

Cambridge Journals Online

For further information about this journal
please go to the journal web site at:
journals.cambridge.org/anm



MIX
Paper from
responsible
sources
FSC® C007785

CAMBRIDGE
UNIVERSITY PRESS

Go Mobile

CJO Mobile (CJOM) is a streamlined Cambridge Journals Online (CJO) for smartphones and other small mobile devices



- Use CJOM to access all journal content including *FirstView* articles which are published online ahead of print
- Access quickly and easily thanks to simplified design and low resolution images
- Register for content alerts or save searches and articles – they will be available on both CJO and CJOM
- Your device will be detected and automatically directed to CJOM via: journals.cambridge.org



CAMBRIDGE
UNIVERSITY PRESS