

CAMBRIDGE

JOURNALS

Knowledge is no longer shelved

The *Cambridge Journals Digital Archive* contains more than 160 journals, more than 3 million pages and more than 8 million linked references. Knowledge is now more visible and more searchable than ever.



journals.cambridge.org/archives



CAMBRIDGE
UNIVERSITY PRESS

CONTENTS

Breeding and genetics

Silesian, A. P. and Szyda, J.
Population parameters incorporated into genome-wide tagSNP selection 1227

Dube, B., Mulugeta, S. D. and Dzama, K.
Integrating economic parameters into genetic selection for Large White pigs 1231

Nutrition

Fouad, A. M., El-Senousey, H. K., Yang, X. J. and Yao, J. H.
Dietary L-arginine supplementation reduces abdominal fat content by modulating lipid metabolism in broiler chickens 1239

Carré, B., Lessire, M. and Juin, H.
Prediction of metabolisable energy value of broiler diets and water excretion from dietary chemical analyses 1246

Noblet, J., Gilbert, H., Jaguelin-Peyraud, Y. and Lebrun, T.
Evidence of genetic variability for digestive efficiency in the growing pig fed a fibrous diet 1259

Vautier, B., Quiniou, N., van Milgen, J. and Brossard, L.
Accounting for variability among individual pigs in deterministic growth models 1265

Cheng, L., Nicol, A. M., Dewhurst, R. J. and Edwards, G. R.
The effects of dietary nitrogen to water-soluble carbohydrate ratio on isotopic fractionation and partitioning of nitrogen in non-lactating sheep 1274

Hassoun, P., Viudes, G., Autran, P., Bastianelli, D. and Bocquier, F.
A method for estimating dry forage intake by sheep using polyethylene glycol as a faecal marker measured with NIRS 1280

de Jonge, L. H., van Laar, H., Hendriks, W. H. and Dijkstra, J.
A modified rinsing method for the determination of the S, W-S and D + U fraction of protein and starch in feedstuff within the *in situ* technique 1289

Vestergaard, M., Jarltoft, T. C., Kristensen, N. B. and Børsting, C. F.
Effects of rumen-escape starch and coarseness of ingredients in pelleted concentrates on performance and rumen wall characteristics of rosé veal calves 1298

Physiology and functional biology of systems

Wientjes, J. G. M., Soede, N. M., Laurensen, B. F. A., Koopmanschap, R. E., van den Brand, H. and Kemp, B.
Insulin-stimulating diets during the weaning-to-estrus interval do not improve fetal and placental development and uniformity in high-prolific multiparous sows 1307

Torres, A., Chagas e Silva, J., Diniz, P. and Lopes-da-Costa, L.
Evaluation of treatments with hCG and carprofen at embryo transfer in a demi-embryo and recipient virgin heifer model 1317

Whiting, K. J., Brown, S. N., Browne, W. J., Hadley, P. J. and Knowles, T. G.
The anterior tooth development of cattle presented for slaughter: an analysis of age, sex and breed 1323

Brun-Lafleur, L., Cutullic, E., Faverdin, P., Delaby, L. and Disenhaus, C.
An individual reproduction model sensitive to milk yield and body condition in Holstein dairy cows 1332

Bonnet, M., Bernard, L., Bes, S. and Leroux, C.
Selection of reference genes for quantitative real-time PCR normalisation in adipose tissue, muscle, liver and mammary gland from ruminants 1344

Behaviour, welfare and health

Koistinen, T. and Korhonen, H. T.
Complex housing environment for farmed blue foxes (*Vulpes lagopus*): use of various resources 1354

Negrato, E., Di Martino, G., Vascellari, M., Radaelli, G., Capello, K., Pascoli, F., Bertotto, D. and Bonfanti, L.
Expression of heat shock protein 70 in the liver of extensively and intensively kept heavy pigs 1362

Freitas-de-Melo, A., Banchemo, G., Hötzel, M. J., Damián, J. P. and Ungerfeld, R.
Progesterone administration reduces the behavioural and physiological responses of ewes to abrupt weaning of lambs 1367

Abuelo, A., Hernández, J., Benedito, J. L. and Castillo, C.
Oxidative stress index (OSi) as a new tool to assess redox status in dairy cattle during the transition period 1374

Farming systems and environment

O'Neill, B. F., Lewis, E., O'Donovan, M., Shalloo, L., Galvin, N., Mulligan, F. J., Boland, T. M. and Delagarde, R.
Predicting grass dry matter intake, milk yield and milk fat and protein yield of spring calving grazing dairy cows during the grazing season 1379

Ganche, E., Delaby, L., O'Donovan, M., Boland, T. M. and Kennedy, E.
Direct and carryover effect of post-grazing sward height on total lactation dairy cow performance 1390

