

CAMBRIDGE

JOURNALS

CAMBRIDGE JOURNALS DIGITAL ARCHIVE

- ▶ Archives are available for over 250 of our journals
- ▶ Featuring content published from 1770 to 2011
- ▶ Available as full, HSS and STM packages, smaller collections, annual top ups and as individual titles

Ask your librarian to visit
journals.cambridge.org/archives to find out more



CAMBRIDGE
UNIVERSITY PRESS

CONTENTS

Nutrition

Lamot, D. M., van der Klein, S. A. S., van de Linde, I. B., Wijtten, P. J. A., Kemp, B., van den Brand, H. and Lammers, A.
Effects of feed access after hatch and inclusion of fish oil and medium chain fatty acids in a pre-starter diet on broiler chicken growth performance and humoral immunity 1409

Wen, Z. G., Jiang, Y., Tang, J., Xie, M., Yang, P. L. and Hou, S. S.
Effect of feed consumption levels on growth performance and carcass composition during the force-feeding period in foie gras production of male Mule ducks 1417

Farmer, C., Robertson, P., Xiao, C. W., Rehfeldt, C. and Kalbe, C.
Exogenous genistein in late gestation: effects on fetal development and sow and piglet performance 1423

Mendel, M., Chłopecka, M., Dziekan, N. and Karlik, W.
Modification of abomasum contractility by flavonoids present in ruminants diet: *in vitro* study 1431

Escobar, M., Vlaeminck, B., Jeyanathan, J., Thanh, L. P., Shingfield, K. J., Wallace, R. J. and Fievez, V.
Effect of adsorbants on *in vitro* biohydrogenation of 22:6n-3 by mixed cultures of rumen microorganisms 1439

Roca-Fernández, A. I., Peyraud, J. L., Delaby, L. and Delagarde, R.
Pasture intake and milk production of dairy cows rotationally grazing on multi-species swards 1448

Behaviour, welfare and health

Verhoeven, M. T. W., Gerritzen, M. A., Hellebrekers, L. J. and Kemp, B.
Validation of indicators used to assess unconsciousness in veal calves at slaughter 1457

Aluwé, M., Degezelle, I., Depuydt, L., Fremaut, D., Van den Broeke, A. and Millet, S.
Immunocastrated male pigs: effect of 4 v. 6 weeks time post second injection on performance, carcass quality and meat quality 1466

Bonastre, C., Mitjana, O., Tejedor, M. T., Calavia, M., Yuste, A. G., Úbeda, J. L. and Falceto, M. V.
Acute physiological responses to castration-related pain in piglets: the effect of two local anesthetics with or without meloxicam 1474

Special Topic: Precision livestock farming

Halachmi, I. and Guarino, M.
Editorial: Precision livestock farming: a 'per animal' approach using advanced monitoring technologies 1482

John, A. J., Clark, C. E. F., Freeman, M. J., Kerrisk, K. L., Garcia, S. C. and Halachmi, I.
Review: Milking robot utilization, a successful precision livestock farming evolution 1484

Steensels, M., Antler, A., Bahr, C., Berckmans, D., Maltz, E. and Halachmi, I.
A decision-tree model to detect post-calving diseases based on rumination, activity, milk yield, BW and voluntary visits to the milking robot 1493

Halachmi, I., Ben Meir, Y., Miron, J. and Maltz, E.
Feeding behavior improves prediction of dairy cow voluntary feed intake but cannot serve as the sole indicator 1501

Pahl, C., Hartung, E., Grothmann, A., Mahlkow-Nerge, K. and Haeussermann, A.
Suitability of feeding and chewing time for estimation of feed intake in dairy cows 1507

Salau, J., Haas, J. H., Thaller, G., Leisen, M. and Junge, W.
Developing a multi-Kinect-system for monitoring in dairy cows: object recognition and surface analysis using wavelets 1513

Van Hertem, T., Bahr, C., Schlageter Tello, A., Viazzi, S., Steensels, M., Romanini, C. E. B., Lokhorst, C., Maltz, E., Halachmi, I. and Berckmans, D.
Lameness detection in dairy cattle: single predictor v. multivariate analysis of image-based posture processing and behaviour and performance sensing 1525

Van Nuffel, A., Van De Gucht, T., Saeys, W., Sonck, B., Opsomer, G., Vangeyte, J., Mertens, K. C., De Ketelaere, B. and Van Weyenberg, S.
Environmental and cow-related factors affect cow locomotion and can cause misclassification in lameness detection systems 1533

Hoffmann, G., Schmidt, M. and Ammon, C.
First investigations to refine video-based IR thermography as a non-invasive tool to monitor the body temperature of calves 1542

Johnston, D., Kenny, D. A., Kelly, A. K., McCabe, M. S., McGee, M., Waters, S. M. and Earley, B.
Characterisation of haematological profiles and whole blood relative gene expression levels in Holstein-Friesian and Jersey bull calves undergoing gradual weaning 1547

Maselyne, J., Adriaens, I., Huybrechts, T., De Ketelaere, B., Millet, S., Vangeyte, J., Van Nuffel, A. and Saeys, W.
Measuring the drinking behaviour of individual pigs housed in group using radio frequency identification (RFID) 1557

Fontana, I., Tullio, E., Scrase, A. and Butterworth, A.
Vocalisation sound pattern identification in young broiler chickens 1567

