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- 1013–1020 **Treating canine atopic dermatitis with unsaturated fatty acids: the role of mast cells and potential mechanisms of action**  
J. Schumann; S. Basiouni; T. Gück; H. Fuhrmann

**Original articles**

- 1021–1030 **Influence of feeding and UVB exposition on the absorption mechanisms of calcium in the gastrointestinal tract of veiled chameleons (*Chamaeleo calytratus*)**  
D. Haxhiu; S. Hoby; C. Wenker; A. Boos; M.P. Kowalewski; F. Lewis; A. Liesegang
- 1031–1038 **Responses to betaine and inorganic sulphur of sheep in growth performance and fibre growth**  
M. Nezamidoust; M. Alikhani; G.R. Ghorbani; M.A. Edriss
- 1039–1046 **Effects of alfalfa meal on the intestinal microbial diversity and immunity of growing ducks**  
J.F. Jiang; X.M. Song; J.L. Wu; Y.Q. Jiang
- 1047–1053 **The rate and pattern of urea infusion into the rumen of wethers alters nitrogen balance and plasma ammonia**  
M.I. Recavarren; G.D. Milano
- 1054–1059 **Influence of animal age on body concentrations of minerals in Japanese quail (*Coturnix japonica*)**  
J. Sales; M. Skřivan; M. Englmaierová
- 1060–1067 **Ovarian development and related changes in steroid hormones in female wild common carp (*Cyprinus carpio carpio*), from the south-eastern Caspian Sea**  
A. Vazirzadeh; B. Mojazi Amiri; A. Fostier
- 1068–1074 **Use of  $\text{NaHCO}_3$  and MgO as additives for sheep fed only pasture for a restricted period of time per day: effects on intake, digestion and the rumen environment**  
A. Pérez-Ruchel; J.L. Repetto; C. Cajarville
- 1075–1080 **Obesity in show cats**  
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- 1081–1087 **Effect of physical training on nutrient digestibility and faecal fermentative parameters in Standardbred horses**  
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- 1088–1094 **Alpacas fed calcium propionate seem to moderate their energy intake**  
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- 1095–1101 **Effect of forage inclusion and particle size in diets of neonatal lambs on performance and rumen development**  
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- 1102–1109 **Comparison of plasma vitamin A and E, copper and zinc levels in free-ranging and captive greater flamingos (*Phoenicopterus roseus*) and their relation to pododermatitis**  
F. Wyss; P. Wolf; C. Wenker; S. Hoby; V. Schumacher; A. Béchet; N. Robert; A. Liesegang
- 1110–1116 **Effects of grain source and marginal change in lucerne hay particle size on feed sorting, eating behaviour, chewing activity, and milk production in mid-lactation Holstein dairy cows**  
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- 1117–1123 **Identification and differential distribution of CART in the small intestine depending on the diet**  
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- 1124–1131 **Dietary L-arginine supplement alleviates hepatic heat stress and improves feed conversion ratio of Pekin ducks exposed to high environmental temperature**  
W. Zhu; W. Jiang; L.Y. Wu
- 1132–1142 **An intrauterine catch-up growth regimen increases food intake and post-natal growth in rats**  
M. Baik; P. Rajasekar; M.S. Lee; J. Kim; D.-H. Kwon; W. Kang; T.H. Nguyen; T.-T. Vu
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- 1154–1165 **Effect of feeding level on ileal and total tract digestibility of nutrients and energy from soybean meal-based diets for piglets**  
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- 1166–1175 **Effect of additional vitamin E and zinc supplementation on immunological changes in peripartum Sahiwal cows**  
G. Chandra; A. Aggarwal; M. Kumar; A.K. Singh; V.K. Sharma; R.C. Upadhyay
- 1176–1186 **Effects of dietary oleuropein supplementation on growth performance, serum lipid concentrations and lipid oxidation of Japanese quails**  
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