

Secundino Lopez

List of Publications by Year in descending order

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207
papers

5,498
citations

109321

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all docs

210
docs citations

210
times ranked

4182
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | On the Description of Equine Somatic Growth Using Nonlinear Functions. Journal of Equine Veterinary Science, 2022, 111, 103893. | 0.9 | 1 |
| 2 | Modelling growth in dairy heifers based on linear body measurements (withers height) using non-linear functions. Journal of Dairy Research, 2022, , 1-4. | 1.4 | 0 |
| 3 | Overview and application of the Mitscherlich equation and its extensions to estimate the soil nitrogen pool fraction associated with crop yield and nitrous oxide emission. Advances in Agronomy, 2022, , 269-295. | 5.2 | 4 |
| 4 | A Holistic Approach to Evaluating Linear and Non-Linear Mixed Models to Predict Phosphorus Retention in Growing and Finishing Pigs. Animals, 2022, 12, 1611. | 2.3 | 0 |
| 5 | Essential Oils in Livestock: From Health to Food Quality. Antioxidants, 2021, 10, 330. | 5.1 | 51 |
| 6 | Fattening lambs with divergent residual feed intakes and weight gains: Unravelling mechanisms driving feed efficiency. Animal Feed Science and Technology, 2021, 273, 114821. | 2.2 | 7 |
| 7 | An Illustrative Analysis of Atypical Gas Production Profiles Obtained from In Vitro Digestibility Studies Using Fecal Inoculum. Animals, 2021, 11, 1069. | 2.3 | 3 |
| 8 | Effects of the Harvest Stage of Maize Hybrids on the Chemical Composition of Plant Fractions: An Analysis of the Different Types of Silage. Agriculture (Switzerland), 2021, 11, 786. | 3.1 | 5 |
| 9 | Erythrina variegata quality in the Cauto Valley, Cuba. Agroforestry Systems, 2020, 94, 1209-1218. | 2.0 | 1 |
| 10 | Effect of age of regrowth, chemical composition and secondary metabolites on the digestibility of Leucaena leucocephala in the Cauto Valley, Cuba. Agroforestry Systems, 2020, 94, 1247-1253. | 2.0 | 8 |
| 11 | In vitro screening of Algerian steppe browse plants for digestibility, rumen fermentation profile and methane mitigation. Agroforestry Systems, 2020, 94, 1433-1443. | 2.0 | 8 |
| 12 | Changes in phytase activity, phosphorus and phytate contents during grain germination of barley (Hordeum vulgare L.) cultivars. Agroforestry Systems, 2020, 94, 1151-1159. | 2.0 | 11 |
| 13 | Biomass production and nutritive value of Kenaf (Hibiscus cannabinus) at various stages of growth. Agroforestry Systems, 2020, 94, 1171-1178. | 2.0 | 7 |
| 14 | Effects of supplemental plant oils on rumen bacterial community profile and digesta fatty acid composition in a continuous culture system (RUSITEC). Anaerobe, 2020, 61, 102143. | 2.1 | 10 |
| 15 | A strategy for modelling heavy-tailed greenhouse gases (GHG) data using the generalised extreme value distribution: Are we overestimating GHG flux using the sample mean?. Atmospheric Environment, 2020, 237, 117500. | 4.1 | 6 |
| 16 | Estimation of Tunisian Greenhouse Gas Emissions from Different Livestock Species. Agriculture (Switzerland), 2020, 10, 562. | 3.1 | 10 |
| 17 | Effects of Hybrid and Grain Maturity Stage on the Ruminal Degradation and the Nutritive Value of Maize Forage for Silage. Agriculture (Switzerland), 2020, 10, 251. | 3.1 | 14 |
| 18 | Introducing a sinusoidal equation to describe lactation curves for cumulative milk yield and composition in Holstein cows. Journal of Dairy Research, 2020, 87, 220-225. | 1.4 | 0 |

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|----|--|-----|-----------|
| 19 | New Insights into Modelling Bacterial Growth with Reference to the Fish Pathogen <i>Flavobacterium psychrophilum</i> . <i>Animals</i> , 2020, 10, 435. | 2.3 | 3 |
| 20 | Models Based on the Mitscherlich Equation for Describing Typical and Atypical Gas Production Profiles Obtained from In Vitro Digestibility Studies Using Equine Faecal Inoculum. <i>Animals</i> , 2020, 10, 308. | 2.3 | 5 |
| 21 | Effect of treating olive cake with fibrolytic enzymes on feed intake, digestibility and performance in growing lambs. <i>Animal Feed Science and Technology</i> , 2020, 261, 114405. | 2.2 | 15 |
| 22 | Application of Meta-Analysis and Machine Learning Methods to the Prediction of Methane Production from In Vitro Mixed Ruminal Micro-Organism Fermentation. <i>Animals</i> , 2020, 10, 720. | 2.3 | 7 |
| 23 | Dietary supplemental plant oils reduce methanogenesis from anaerobic microbial fermentation in the rumen. <i>Scientific Reports</i> , 2020, 10, 1613. | 3.3 | 55 |
| 24 | Sinusoidal function to describe the growth curve of dairy heifers. <i>Animal Production Science</i> , 2019, 59, 1039. | 1.3 | 2 |
| 25 | Effect of a mixed silage of king grass (<i>Cenchrus purpureus</i>) and forage legumes (<i>Leucaena</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5 Production Science, 2019, 59, 2259. | 1.3 | 7 |
| 26 | Grain grinding size of cereals in complete pelleted diets for growing lambs: Effects on animal performance, carcass and meat quality traits. <i>Meat Science</i> , 2019, 157, 107874. | 5.5 | 9 |
| 27 | Phosphorus utilization in broilers fed with diets supplemented with different feed ingredients. <i>Scientia Agricola</i> , 2019, 76, 18-23. | 1.2 | 6 |
| 28 | Digestibility, nitrogen balance and weight gain in sheep fed with diets supplemented with different seaweeds. <i>Journal of Applied Phycology</i> , 2019, 31, 3255-3263. | 2.8 | 10 |
| 29 | Effect of milking frequency and α -tocopherol plus selenium supplementation on sheep milk lipid composition and oxidative stability. <i>Journal of Dairy Science</i> , 2019, 102, 3097-3109. | 3.4 | 8 |
| 30 | Replacing Soybean Meal with Urea in Diets for Heavy Fattening Lambs: Effects on Growth, Metabolic Profile and Meat Quality. <i>Animals</i> , 2019, 9, 974. | 2.3 | 12 |
| 31 | Chemical Composition, In Vitro Digestibility and Rumen Fermentation Kinetics of Agro-Industrial By-Products. <i>Animals</i> , 2019, 9, 861. | 2.3 | 41 |
| 32 | Ruminal fermentation kinetics of nine halophytic tree species at different growth stages. <i>Agroforestry Systems</i> , 2019, 93, 1843-1852. | 2.0 | 2 |
| 33 | Elementary functions modified for seasonal effects to describe growth in freshwater fish. <i>Journal of Theoretical Biology</i> , 2019, 461, 133-144. | 1.7 | 3 |
| 34 | Environmental efficiency of <i>Saccharomyces cerevisiae</i> on methane production in dairy and beef cattle via a meta-analysis. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3651-3658. | 5.3 | 19 |
| 35 | Dairy cow nutrition in organic farming systems. Comparison with the conventional system. <i>Animal</i> , 2019, 13, 1084-1093. | 3.3 | 6 |
| 36 | A sinusoidal equation as alternative to conventional growth functions to describe the evolution of growth in quail. <i>Spanish Journal of Agricultural Research</i> , 2019, 17, e0606. | 0.6 | 1 |

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|----|--|-----|-----------|
| 37 | Feed efficiency and the liver proteome of fattening lambs are modified by feed restriction during the suckling period. <i>Animal</i> , 2018, 12, 1838-1846. | 3.3 | 20 |
| 38 | Grain grinding size of cereals in complete pelleted diets for growing lambs: Effects on ruminal microbiota and fermentation. <i>Small Ruminant Research</i> , 2018, 159, 38-44. | 1.2 | 11 |
| 39 | Early feed restriction of lambs modifies ileal epimural microbiota and affects immunity parameters during the fattening period. <i>Animal</i> , 2018, 12, 2115-2122. | 3.3 | 7 |
| 40 | Volatile fatty acids and methane production from browse species of Algerian arid and semi-arid areas. <i>Journal of Applied Animal Research</i> , 2018, 46, 44-49. | 1.2 | 9 |
| 41 | Influence of dietary supplementation with sunflower oil and quebracho tannins on growth performance and meat fatty acid profile of Awassi lambs. <i>Animal Feed Science and Technology</i> , 2018, 235, 97-104. | 2.2 | 22 |
| 42 | A sinusoidal equation as an alternative to classical growth functions to describe growth profiles in turkeys. <i>Acta Scientiarum - Animal Sciences</i> , 2018, 41, 45990. | 0.3 | 3 |
| 43 | Early Feed Restriction Programs Metabolic Disorders in Fattening Merino Lambs. <i>Animals</i> , 2018, 8, 83. | 2.3 | 7 |
| 44 | Risk assessment of antimicrobial resistance along the food chain through culture-independent methodologies. <i>EFSA Journal</i> , 2018, 16, e160811. | 1.8 | 10 |
| 45 | Methane Production from Browse Species of Algerian Arid Areas. <i>Advances in Science, Technology and Innovation</i> , 2018, , 1301-1303. | 0.4 | 1 |
| 46 | Effect of Polyethylene Glycol on in Vitro Gas Production of Three Leguminous Shrubs in Algerian Arid Areas. <i>Advances in Science, Technology and Innovation</i> , 2018, , 1213-1215. | 0.4 | 1 |
| 47 | Tree leaves of <i>Salix babylonica</i> extract as a natural anthelmintic for small-ruminant farms in a semiarid region in Mexico. <i>Agroforestry Systems</i> , 2017, 91, 111-122. | 2.0 | 20 |
| 48 | Influence of barley grain particle size and treatment with citric acid on digestibility, ruminal fermentation and microbial protein synthesis in Holstein calves. <i>Animal</i> , 2017, 11, 1295-1302. | 3.3 | 37 |
| 49 | Mathematical descriptions of indeterminate growth. <i>Journal of Theoretical Biology</i> , 2017, 425, 88-96. | 1.7 | 5 |
| 50 | The effect of earthworm (<i>Eisenia foetida</i>) meal with vermi-humus on growth performance, hematology, immunity, intestinal microbiota, carcass characteristics, and meat quality of broiler chickens. <i>Livestock Science</i> , 2017, 202, 74-81. | 1.6 | 45 |
| 51 | Evaluation of three medicinal plants for methane production potential, fiber digestion and rumen fermentation in vitro. <i>Energy Procedia</i> , 2017, 119, 632-641. | 1.8 | 13 |
| 52 | Effect of dietary phytase supplementation on greenhouse gas emissions from soil after swine manure application. <i>Journal of Cleaner Production</i> , 2017, 166, 1122-1130. | 9.3 | 10 |
| 53 | Aquatic plants and macroalgae as potential feed ingredients in ruminant diets. <i>Journal of Applied Phycology</i> , 2017, 29, 449-458. | 2.8 | 13 |
| 54 | Effect of Sunflower and Marine Oils on Ruminal Microbiota, In vitro Fermentation and Digesta Fatty Acid Profile. <i>Frontiers in Microbiology</i> , 2017, 8, 1124. | 3.5 | 57 |

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|----|---|-----|-----------|
| 55 | Influence of the addition of exogenous xylanase with or without pre-incubation on the in vitro ruminal fermentation of three fibrous feeds. Czech Journal of Animal Science, 2016, 61, 262-272. | 1.3 | 38 |
| 56 | Effects of xylanase supplementation on feed intake, digestibility and ruminal fermentation in Rambouillet sheep. Journal of Agricultural Science, 2016, 154, 1110-1117. | 1.3 | 16 |
| 57 | Performance of crossbred dairy Friesian calves fed two levels of <i>Saccharomyces cerevisiae</i> : intake, digestion, ruminal fermentation, blood parameters and faecal pathogenic bacteria. Journal of Agricultural Science, 2016, 154, 1488-1498. | 1.3 | 25 |
| 58 | Effects of the inclusion of flaxseed and quercetin in the diet of fattening lambs on ruminal microbiota, in vitro fermentation and biohydrogenation of fatty acids. Journal of Agricultural Science, 2016, 154, 542-552. | 1.3 | 11 |
| 59 | Utilization of macrominerals and trace elements in pregnant heifers with distinct feed efficiencies. Journal of Dairy Science, 2016, 99, 5413-5421. | 3.4 | 2 |
| 60 | In Vitro Gas, Methane, and Carbon Dioxide Productions of High Fibrous Diet Incubated With Fecal Inocula From Horses in Response to the Supplementation With Different Live Yeast Additives. Journal of Equine Veterinary Science, 2016, 38, 64-71. | 0.9 | 31 |
| 61 | Digestion, growth performance and caecal fermentation in growing rabbits fed diets containing foliage of browse trees. World Rabbit Science, 2016, 24, 283. | 0.6 | 11 |
| 62 | In vitro assessment of nutritive value of date palm by-products as feed for ruminants. Emirates Journal of Food and Agriculture, 2016, 28, 695. | 1.0 | 8 |
| 63 | Some novel growth functions and their application with reference to growth in ostrich. Journal of Animal Science, 2015, 93, 2641-2652. | 0.5 | 3 |
| 64 | A Kinetic Model of Whole-Body Glucose Metabolism with Reference to the Domestic Dog (Canis lupus) Tj ETQq0 0 0 rgBT /Overlock 10 T | 0.9 | 1 |
| 65 | On the analysis of Canadian Holstein dairy cow lactation curves using standard growth functions. Journal of Dairy Science, 2015, 98, 2701-2712. | 3.4 | 30 |
| 66 | Influence of exogenous enzymes in presence of <i>Salix babylonica</i> extract on digestibility, microbial protein synthesis and performance of lambs fed maize silage. Journal of Agricultural Science, 2015, 153, 732-742. | 1.3 | 52 |
| 67 | Moringa oleifera leaf meal as a protein source in lactating goat's diets: Feed intake, digestibility, ruminal fermentation, milk yield and composition, and its fatty acids profile. Small Ruminant Research, 2015, 129, 129-137. | 1.2 | 95 |
| 68 | Predicting methionine and lysine contents in soybean meal and fish meal using a group method of data handling-type neural network. Spanish Journal of Agricultural Research, 2015, 13, e0601. | 0.6 | 2 |
| 69 | Alternative growth functions for predicting body, carcass, and breast weight in ducks: Lomolino equation and extreme value function. Poultry Science, 2014, 93, 1031-1042. | 3.4 | 5 |
| 70 | Concentrate plus ground barley straw pellets can replace conventional feeding systems for light fattening lambs. Small Ruminant Research, 2014, 116, 137-143. | 1.2 | 34 |
| 71 | Comparison of three 15N methods to correct for microbial contamination when assessing in situ protein degradability of fresh forages. Journal of Animal Science, 2014, 92, 5053-5062. | 0.5 | 3 |
| 72 | Influence of <i>Salix babylonica</i> and <i>Leucaena leucocephala</i> leaf extracts on ruminal fermentation characteristics, urinary purine derivative excretion and microbial protein synthesis of lambs. Livestock Science, 2014, 163, 80-84. | 1.6 | 8 |

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|----|--|-----|-----------|
| 73 | <i>In vitro</i> rumen methane output of grasses and grass silages differing in fermentation characteristics using the gas production technique (GPT). Grass and Forage Science, 2013, 68, 228-244. | 2.9 | 14 |
| 74 | Interpreting experimental data on egg production—Applications of dynamic differential equations. Poultry Science, 2013, 92, 2498-2508. | 3.4 | 0 |
| 75 | Effect of sunflower oil supplementation and milking frequency reduction on sheep milk production and composition. Journal of Animal Science, 2013, 91, 446-454. | 0.5 | 8 |
| 76 | Influence of cultivar, sowing date and maturity at harvest on yield, digestibility, rumen fermentation kinetics and estimated feeding value of maize silage. Journal of Agricultural Science, 2013, 151, 740-753. | 1.3 | 33 |
| 77 | Effects of pre-incubation in sheep and goat saliva on <i>in vitro</i> rumen digestion of tanniferous browse foliage. Journal of Agricultural Science, 2013, 151, 898-906. | 1.3 | 3 |
| 78 | Calcium and phosphorus utilization in growing sheep supplemented with dicalcium phosphate. Journal of Agricultural Science, 2013, 151, 424-433. | 1.3 | 8 |
| 79 | Short- to medium-term effects of consumption of quebracho tannins on saliva production and composition in sheep and goats. Journal of Animal Science, 2013, 91, 1341-1349. | 0.5 | 26 |
| 80 | A meta-analysis of the effects of dietary copper, molybdenum, and sulfur on plasma and liver copper, weight gain, and feed conversion in growing-finishing cattle. Journal of Animal Science, 2013, 91, 5714-5723. | 0.5 | 25 |
| 81 | Models for the Study of Whole-Body Glucose Kinetics: A Mathematical Synthesis. , 2013, 2013, 1-16. | | 3 |
| 82 | Predicting the metabolizable energy content of corn for ducks: a comparison of support vector regression with other methods. Spanish Journal of Agricultural Research, 2013, 11, 1036. | 0.6 | 2 |
| 83 | Effects of inactivated and live cells of <i>Saccharomyces cerevisiae</i> on <i>in vitro</i> ruminal fermentation of diets with different forage:concentrate ratio. Journal of Agricultural Science, 2012, 150, 271-283. | 1.3 | 40 |
| 84 | Ruminal pH regulation and nutritional consequences of low pH. Animal Feed Science and Technology, 2012, 172, 22-33. | 2.2 | 230 |
| 85 | Vegetable oil soapstocks reduce methane production and modify ruminal fermentation. Animal Feed Science and Technology, 2012, 176, 40-46. | 2.2 | 8 |
| 86 | Manipulation of rumen fermentation and methane production with plant secondary metabolites. Animal Feed Science and Technology, 2012, 176, 78-93. | 2.2 | 287 |
| 87 | Effects of rhubarb (<i>Rheum</i> spp.) and frangula (<i>Frangula alnus</i>) on intake, digestibility and ruminal fermentation of different diets and feedstuffs by sheep. Animal Feed Science and Technology, 2012, 176, 131-139. | 2.2 | 7 |
| 88 | <i>In situ</i> degradability of soyabean meal treated with <i>Acacia saligna</i> and <i>Atriplex halimus</i> extracts in sheep. Journal of Animal and Feed Sciences, 2012, 21, 447-457. | 1.1 | 6 |
| 89 | Nutritive evaluation of foliage from fodder trees and shrubs characteristic of Algerian arid and semi-arid areas. Journal of Animal and Feed Sciences, 2012, 21, 521-536. | 1.1 | 25 |
| 90 | Chemical composition and digestibility of some browse plant species collected from Algerian arid rangelands. Spanish Journal of Agricultural Research, 2012, 10, 88. | 0.6 | 35 |

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|-----|--|-----|-----------|
| 91 | Effect of saliva from sheep that have ingested quebracho tannins on the in vitro rumen fermentation activity to digest tannin-containing shrubs. <i>Animal Feed Science and Technology</i> , 2011, 163, 77-83. | 2.2 | 12 |
| 92 | Sensitivity of ruminal bacteria isolates of sheep, cattle and buffalo to some heavy metals. <i>Animal Feed Science and Technology</i> , 2011, 163, 143-149. | 2.2 | 7 |
| 93 | Modifications of a gas production technique for assessing in vitro rumen methane production from feedstuffs. <i>Animal Feed Science and Technology</i> , 2011, 166-167, 163-174. | 2.2 | 28 |
| 94 | In vitro rumen methane output of red clover and perennial ryegrass assayed using the gas production technique (GPT). <i>Animal Feed Science and Technology</i> , 2011, 168, 152-164. | 2.2 | 43 |
| 95 | Effect of natural extracts of <i>Salix babylonica</i> and <i>Leucaena leucocephala</i> on nutrient digestibility and growth performance of lambs. <i>Animal Feed Science and Technology</i> , 2011, 170, 27-34. | 2.2 | 32 |
| 96 | A model of phosphorus metabolism in growing sheep. , 2011, , 273-278. | | 0 |
| 97 | A Bayesian approach to analyze energy balance data from lactating dairy cows. <i>Journal of Dairy Science</i> , 2011, 94, 2520-2531. | 3.4 | 13 |
| 98 | Modeling the efficiency of phosphorus utilization in growing pigs ¹ . <i>Journal of Animal Science</i> , 2011, 89, 2774-2781. | 0.5 | 9 |
| 99 | Nutritive value of herbage from mountain hay meadow managed under traditional and intensive harvest systems as affected by nitrogen fertilisation and time of cutting. <i>Animal Production Science</i> , 2011, 51, 549. | 1.3 | 4 |
| 100 | An extended model of phosphorus metabolism in growing ruminants ¹ . <i>Journal of Animal Science</i> , 2011, 89, 4151-4162. | 0.5 | 4 |
| 101 | Relationships between chewing behavior, digestibility, and digesta passage kinetics in steers fed oat hay at restricted and ad libitum intakes ¹ . <i>Journal of Animal Science</i> , 2011, 89, 1873-1880. | 0.5 | 27 |
| 102 | A generic multi-stage compartmental model for interpreting gas production profiles. , 2011, , 139-147. | | 0 |
| 103 | Regression procedures for relationships between random variables. , 2011, , 31-39. | | 0 |
| 104 | Evaluation of a mechanistic lactation model using cow, goat and sheep data. <i>Journal of Agricultural Science</i> , 2010, 148, 249-262. | 1.3 | 21 |
| 105 | Application of a kinetic model to describe phosphorus metabolism in pigs fed a diet with a microbial phytase. <i>Journal of Agricultural Science</i> , 2010, 148, 277-286. | 1.3 | 9 |
| 106 | <i>Journal of Agricultural Science</i> . <i>Journal of Agricultural Science</i> , 2010, 148, 117-118. | 1.3 | 2 |
| 107 | Reply â€“ Simplified estimation of forage degradability in the rumen assuming zero-order kinetics and assumptions underlying the in situ polyester-bag technique. <i>Journal of Agricultural Science</i> , 2010, 148, 119-122. | 1.3 | 2 |
| 108 | Flexible alternatives to the Gompertz equation for describing growth with age in turkey hens. <i>Poultry Science</i> , 2010, 89, 371-378. | 3.4 | 37 |

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|-----|---|-----|-----------|
| 109 | A review of mathematical functions for the analysis of growth in poultry. <i>World's Poultry Science Journal</i> , 2010, 66, 227-240. | 3.0 | 47 |
| 110 | Feed intake, digestibility, and carcass characteristics of lambs fed a diet supplemented with soluble fibre. <i>Animal Production Science</i> , 2010, 50, 45. | 1.3 | 6 |
| 111 | Sensitivity of sheep intestinal lactic acid bacteria to secondary compounds extracted from <i>Acacia saligna</i> leaves. <i>Animal Feed Science and Technology</i> , 2010, 161, 85-93. | 2.2 | 15 |
| 112 | Decrease of ruminal methane production in Rusitec fermenters through the addition of plant material from rhubarb (<i>Rheum</i> spp.) and alder buckthorn (<i>Frangula alnus</i>). <i>Journal of Dairy Science</i> , 2010, 93, 3755-3763. | 3.4 | 27 |
| 113 | Screening Plants and Plant Products for Methane Inhibitors. , 2010, , 191-231. | | 35 |
| 114 | Feeding quebracho tannins to sheep enhances rumen fermentative activity to degrade browse shrubs. <i>Animal Feed Science and Technology</i> , 2009, 149, 1-15. | 2.2 | 13 |
| 115 | Rumen phosphorus metabolism in sheep. <i>Journal of Agricultural Science</i> , 2009, 147, 391-398. | 1.3 | 7 |
| 116 | Influence of harvest season, cutting frequency and nitrogen fertilization of mountain meadows on yield, floristic composition and protein content of herbage. <i>Revista Brasileira De Zootecnia</i> , 2009, 38, 596-604. | 0.8 | 19 |
| 117 | Simplified estimation of forage degradability in the rumen assuming zero-order degradation kinetics. <i>Journal of Agricultural Science</i> , 2009, 147, 225-240. | 1.3 | 5 |
| 118 | Application of the law of diminishing returns to estimate maintenance requirement for amino acids and their efficiency of utilization for accretion in young chicks. <i>Journal of Agricultural Science</i> , 2009, 147, 383-390. | 1.3 | 8 |
| 119 | Effect of sodium bicarbonate supplementation on feed intake, digestibility, digesta kinetics, nitrogen balance and ruminal fermentation in young fattening lambs. <i>Spanish Journal of Agricultural Research</i> , 2009, 7, 330. | 0.6 | 4 |
| 120 | In vitro screening of the potential of numerous plant species as antimethanogenic feed additives for ruminants. <i>Animal Feed Science and Technology</i> , 2008, 145, 245-258. | 2.2 | 129 |
| 121 | Modelling the implications of feeding strategy on rumen fermentation and functioning of the rumen wall. <i>Animal Feed Science and Technology</i> , 2008, 143, 3-26. | 2.2 | 168 |
| 122 | Comparison of energy evaluation systems and a mechanistic model for milk production by dairy cattle offered fresh grass-based diets. <i>Animal Feed Science and Technology</i> , 2008, 143, 203-219. | 2.2 | 14 |
| 123 | A comparison of the Schumacher with other functions for describing growth in pigs. <i>Animal Feed Science and Technology</i> , 2008, 143, 314-327. | 2.2 | 23 |
| 124 | Dose-response effects of <i>Rheum officinale</i> root and <i>Frangula alnus</i> bark on ruminal methane production in vitro. <i>Animal Feed Science and Technology</i> , 2008, 145, 319-334. | 2.2 | 29 |
| 125 | Screening the activity of plants and spices for decreasing ruminal methane production in vitro. <i>Animal Feed Science and Technology</i> , 2008, 147, 36-52. | 2.2 | 86 |
| 126 | In vitro digestibility and fermentation kinetics of some browse plants using sheep or goat ruminal fluid as the source of inoculum. <i>Animal Feed Science and Technology</i> , 2008, 147, 90-104. | 2.2 | 20 |

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|-----|---|-----|-----------|
| 127 | Effects of different levels of an enzyme mixture on in vitro gas production parameters of contrasting forages. <i>Animal Feed Science and Technology</i> , 2008, 146, 289-301. | 2.2 | 30 |
| 128 | Modelling the lactation curve of dairy cows using the differentials of growth functions. <i>Journal of Agricultural Science</i> , 2008, 146, 633-641. | 1.3 | 29 |
| 129 | A comparative evaluation of functions for partitioning nitrogen and amino acid intake between maintenance and growth in broilers. <i>Journal of Agricultural Science</i> , 2008, 146, 163-170. | 1.3 | 14 |
| 130 | Linear models for determining digestibility.. , 2008, , 12-46. | | 2 |
| 131 | Non-linear functions in animal nutrition.. , 2008, , 47-88. | | 16 |
| 132 | Predicting the profile of nutrients available for absorption: from nutrient requirement to animal response and environmental impact. <i>Animal</i> , 2007, 1, 99-111. | 3.3 | 58 |
| 133 | Some methodological and analytical considerations regarding application of the gas production technique. <i>Animal Feed Science and Technology</i> , 2007, 135, 139-156. | 2.2 | 74 |
| 134 | Effect of feed 15N incorporation into solid-associated bacteria on the in situ nitrogen degradability of 15N labelled Italian ryegrass. <i>Animal Feed Science and Technology</i> , 2007, 135, 353-361. | 2.2 | 2 |
| 135 | Effects of the inclusion of sodium bicarbonate and sugar beet pulp in the concentrate for fattening lambs on acid-base status and meat characteristics. <i>Meat Science</i> , 2007, 77, 696-702. | 5.5 | 15 |
| 136 | Analysis of Methane. , 2007, , 1-13. | | 14 |
| 137 | Comparative evaluation of mathematical functions to describe growth and efficiency of phosphorus utilization in growing pigs1. <i>Journal of Animal Science</i> , 2007, 85, 2498-2507. | 0.5 | 34 |
| 138 | Meta-analysis of phosphorus balance data from growing pigs. <i>Journal of Animal Science</i> , 2007, 85, 1953-1961. | 0.5 | 22 |
| 139 | Inclusion of sugar beet pulp in cereal-based diets for fattening lambs. <i>Small Ruminant Research</i> , 2007, 71, 250-254. | 1.2 | 27 |
| 140 | Effect of feed block supply on the ruminal ecosystem of goats grazing shrub land in Tunisia. <i>Animal Feed Science and Technology</i> , 2006, 127, 1-12. | 2.2 | 3 |
| 141 | The use of even-chain alkanes sprayed onto herbage as rate of passage markers in goats. <i>Livestock Science</i> , 2006, 100, 195-202. | 1.6 | 7 |
| 142 | Effects of the addition of some medicinal plants on methane production in a rumen simulating fermenter (RUSITEC). <i>International Congress Series</i> , 2006, 1293, 172-175. | 0.2 | 11 |
| 143 | Effect of omitting one or two milkings weekly on lactational performance in dairy ewes. <i>Journal of Dairy Research</i> , 2006, 73, 207-215. | 1.4 | 6 |
| 144 | Assessment of nutritive value of cereal and legume straws based on chemical composition and in vitro digestibility. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 1550-1557. | 3.5 | 73 |

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|-----|--|-----|-----------|
| 145 | Nutritive evaluation of herbage from permanent meadows by near-infrared reflectance spectroscopy: 1. Prediction of chemical composition and in vitro digestibility. Journal of the Science of Food and Agriculture, 2005, 85, 1564-1571. | 3.5 | 29 |
| 146 | Nutritive evaluation of herbage from permanent meadows by near-infrared reflectance spectroscopy: 2. Prediction of crude protein and dry matter degradability. Journal of the Science of Food and Agriculture, 2005, 85, 1572-1579. | 3.5 | 8 |
| 147 | Propionate precursors and other metabolic intermediates as possible alternative electron acceptors to methanogenesis in ruminal fermentation in vitro. British Journal of Nutrition, 2005, 94, 27-35. | 2.3 | 151 |
| 148 | Assessment of the digestibility of some Mediterranean shrubs by in vitro techniques. Animal Feed Science and Technology, 2005, 119, 323-331. | 2.2 | 43 |
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