Ana R J Cabrita

List of Publications by Year
in descending order

57 papers	2,299 citations	257101 24 h-index	214527 47 g-index
57 all docs	57 docs citations	57 times ranked	2898 citing authors

#	Article	IF	Citations
1	Factors affecting odd- and branched-chain fatty acids in milk: A review. Animal Feed Science and Technology, 2006, 131, 389-417.	1.1	861
2	The Potential Role of Seaweeds in the Natural Manipulation of Rumen Fermentation and Methane Production. Scientific Reports, 2016, 6, 32321.	1.6	104
3	Use of Odd and Branched-Chain Fatty Acids in Rumen Contents and Milk as a Potential Microbial Marker. Journal of Dairy Science, 2005, 88, 1031-1042.	1.4	96
4	European marketable grain legume seeds: Further insight into phenolic compounds profiles. Food Chemistry, 2017, 215, 177-184.	4.2	95
5	Tracing seaweeds as mineral sources for farm-animals. Journal of Applied Phycology, 2016, 28, 3135-3150.	1.5	91
6	Rumen biohydrogenation-derived fatty acids in milk fat from grazing dairy cows supplemented with rapeseed, sunflower, or linseed oils. Journal of Dairy Science, 2009, 92, 4530-4540.	1.4	87
7	Detailed Dimethylacetal and Fatty Acid Composition of Rumen Content from Lambs Fed Lucerne or Concentrate Supplemented with Soybean Oil. PLoS ONE, 2013, 8, e58386.	1.1	72
8	Effects of Dietary Protein and Starch on Intake, Milk Production, and Milk Fatty Acid Profiles of Dairy Cows Fed Corn Silage-Based Diets. Journal of Dairy Science, 2007, 90, 1429-1439.	1.4	53
9	Profiling of phenolic compounds and antioxidant properties of European varieties and cultivars of Vicia faba L. pods. Phytochemistry, 2018, 152, 223-229.	1.4	53
10	Evaluation of the effects of synchronising the availability of N and energy on rumen function and production responses of dairy cows â€“ a review. Animal Research, 2006, 55, 1-24.	0.6	49
11	Effect of ensiling and silage additives on fatty acid composition of ryegrass and corn experimental silages1. Journal of Animal Science, 2011, 89, 2537-2545.	0.2	45
12	Impact of defatting freeze-dried edible crickets (Acheta domesticus and Gryllodes sigillatus) on the nutritive value, overall liking and sensory profile of cereal bars. LWT - Food Science and Technology, 2019, 113, 108335.	2.5	43
13	Improved method for fatty acid analysis in herbage based on direct transesterification followed by solid-phase extraction. Journal of Chromatography A, 2008, 1209, 212-219.	1.8	38
14	Nitrogen Supplementation of Corn Silages. 2. Assessing Rumen Function Using Fatty Acid Profiles of Bovine Milk. Journal of Dairy Science, 2003, 86, 4020-4032.	1.4	37
15	Nitrogen isotopic fractionation as a biomarker for nitrogen use efficiency in ruminants: a meta-analysis. Animal, 2018, 12, 1827-1837.	1.3	36
16	Effects of dietary protein concentration and balance of absorbable amino acids on productive responses of dairy cows fed corn silage-based diets. Journal of Dairy Science, 2011, 94, 4647-4656.	1.4	33
17	Changes in milk production and milk fatty acid composition of cows switched from pasture to a total mixed ration diet and back to pasture. Italian Journal of Animal Science, 2016, 15, 76-86.	0.8	32
18	Unravelling the phytonutrients and antioxidant properties of European Vicia faba L. seeds. Food Research International, 2019, 116, 888-896.	2.9	32

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19	Ensilage of seaweeds from an integrated multi-trophic aquaculture system. Algal Research, 2017, 24, 290-298.	2.4	31
20	Evaluation of Palm Kernel Meal and Corn Distillers Grains in Corn Silage-Based Diets for Lactating Dairy Cows. Journal of Dairy Science, 2006, 89, 2705-2715.	1.4	30
21	Using microbial fatty acids to improve understanding of the contribution of solid associated bacteria to microbial mass in the rumen. Animal Feed Science and Technology, 2009, 150, 197-206.	1.1	30
22	Simple and Versatile Turbidimetric Monitoring of Bacterial Growth in Liquid Cultures Using a Customized 3D Printed Culture Tube Holder and a Miniaturized Spectrophotometer: Application to Facultative and Strictly Anaerobic Bacteria. Frontiers in Microbiology, 2016, 7, 1381.	1.5	29
23	HPLC-DAD-ESI/MS n profiling of phenolic compounds from Lathyrus cicera L. seeds. Food Chemistry, 2017, 214, 678-685.	4.2	29
24	Supplemental selenium source on gut health: insights on fecal microbiome and fermentation products of growing puppies. FEMS Microbiology Ecology, 2020, 96, .	1.3	29
25	Chemical composition, in vivo digestibility, N degradability and enzymatic intestinal digestibility of five protein supplements. Animal Feed Science and Technology, 2005, 119, 171-178.	1.1	22
26	Determination of ammonia nitrogen in solid and liquid high-complex matrices using one-step gas-diffusion microextraction and fluorimetric detection. Talanta, 2017, 167, 747-753.	2.9	22
27	Effects of dietary starch source and buffers on milk responses and rumen fatty acid biohydrogenation in dairy cows fed maize silage-based diets. Animal Feed Science and Technology, 2009, 152, 267-277.	1.1	19
28	Effects of Grass Silage and Soybean Meal Supplementation on Milk Production and Milk Fatty Acid Profiles of Grazing Dairy Cows. Journal of Dairy Science, 2008, 91, 2736-2743.	1.4	16
29	Mineral Composition of Dry Dog Foods: Impact on Nutrition and Potential Toxicity. Journal of Agricultural and Food Chemistry, 2018, 66, 7822-7830.	2.4	16
30	Nitrogen Supplementation of Corn Silages. 1. Effects on Feed Intake and Milk Production of Dairy Cows. Journal of Dairy Science, 2003, 86, 4008-4019.	1.4	13
31	Zinc in Dog Nutrition, Health and Disease: A Review. Animals, 2021, 11, 978.	1.0	13
32	Lactation responses of dairy cows to whole-crop wheat or ryegrass silages. Animal Feed Science and Technology, 2005, 118, 153-160.	1.1	10
33	Short communication: Relationship between the efficiency of utilization of feed nitrogen and 15N enrichment in casein from lactating dairy cows. Journal of Dairy Science, 2014, 97, 7225-7229.	1.4	10
34	Assessing in vivo digestibility and effects on immune system of sheep fed alfalfa hay supplemented with a fixed amount of Ulva rigida and Gracilaria vermiculophylla. Journal of Applied Phycology, 2017, 29, 1057-1067.	1.5	10
35	Technical note: Stearidonic acid metabolism by mixed ruminal microorganisms in vitro1. Journal of Animal Science, 2012, 90, 900-904.	0.2	9
36	Evaluation of the chemical composition and the particle size of maize silages produced in north-west of Portugal. Animal Feed Science and Technology, 2000, 83, 173-183.	1.1	8

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37	Effects of increasing levels of stearidonic acid on methane production in a rumen in vitro system. Animal Feed Science and Technology, 2012, 173, 252-260.	1.1	8
38	The intensification of amyloglucosidase-based saccharification by ultrasound. Ultrasonics Sonochemistry, 2018, 49, 128-136.	3.8	8
39	Flexible and expeditious assay for quantitative monitoring of alpha-amylase and amyloglucosidase activities. MethodsX, 2019, 6, 246-258.	0.7	8
40	Flow-Based Dynamic Approach to Assess Bioaccessible Zinc in Dry Dog Food Samples. Molecules, 2020, 25, 1333.	1.7	8
41	Effect of a Purification Step and the Type of Internal Standard Used on Fatty Acid Determination of Grass and Maize Silages. Journal of Agricultural and Food Chemistry, 2009, 57, 10793-10797.	2.4	7
42	Identification of C18 Intermediates Formed During Stearidonic Acid Biohydrogenation by Rumen Microorganisms In Vitro. Lipids, 2012, 47, 171-183.	0.7	7
43	Effect of Zinc Source and Exogenous Enzymes Supplementation on Zinc Status in Dogs Fed High Phytate Diets. Animals, 2020, 10, 400.	1.0	7
44	Applying nanotechnology to increase the rumen protection of amino acids in dairy cows. Scientific Reports, 2020, 10, 6830.	1.6	6
45	Effects of dietary sulphur sources on concentrations of hydrogen sulphide in the rumen head-space gas of dairy cows. Animal, 2007, 1, 531-535.	1.3	5
46	Colour score as a guide for estimating the protein value of corn gluten feed. Journal of the Science of Food and Agriculture, 2011, 91, 1648-1652.	1.7	5
47	Validation of a Simple HPLC-Based Method for Lysine Quantification for Ruminant Nutrition. Molecules, 2021, 26, 4173.	1.7	5
48	Effects of Zinc Source and Enzyme Addition on the Fecal Microbiota of Dogs. Frontiers in Microbiology, 2021, 12, 688392.	1.5	5
49	A Novel Approach for Monitoring the Volatile Metabolome in Biological Samples from Ruminants through Miniaturized Liquidâ€“Liquid Extraction and Multiclass Gas Chromatography Analysis. Journal of Agricultural and Food Chemistry, 2022, 70, 3886-3897.	2.4	3
50	Combining Ultrasound-Assisted Extraction and a Microliter Colorimetric Assay for the Streamlined Determination of Urea in Animal Feedstuff. Journal of Agricultural and Food Chemistry, 2013, 61, 130924153917004.	2.4	2
51	Effects of protein sources on concentrations of hydrogen sulphide in the rumen headspace gas of dairy cows. Animal, 2013, 7, 75-81.	1.3	2
52	Miniaturized Fluorimetric Method for Quantification of Zinc in Dry Dog Food. Journal of Analytical Methods in Chemistry, 2020, 2020, 1-6.	0.7	2
53	Energy: Protein Ratio in Ruminants: Insights from the Intragastric Infusion Technique. Animals, 2021, 11, 2700.	1.0	2
54	Assessment of potato peel and agro-forestry biochars supplementation on in vitro ruminal fermentation. PeerJ, 2020, 8, e9488.	0.9	2

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55	Explore Gastric Lipolysis and Lipid Oxidation of Conventional versus Pasture-Based Milk by a Semi-dynamic In Vitro Digestion Model. Journal of Agricultural and Food Chemistry, 2021, 69, 14241-14249.	2.4	2
56	Production of dairy cows fed whole-crop cereals or ryegrass silages supplemented with a fixed amount of concentrate. Acta Agriculturae Scandinavica - Section A: Animal Science, 2005, 55, 116-119.	0.2	1
57	Effects of diet supplementation with sodium selenite and selenium-enriched in puppiesâ€™ health performance from post-weaning to adulthood. Animal Feed Science and Technology, 2021, 274, 114897.	1.1	1