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	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
2	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
3	Zinc in Dog Nutrition, Health and Disease: A Review. Animals, 2021, 11, 978.	1.0	13
4	Validation of a Simple HPLC-Based Method for Lysine Quantification for Ruminant Nutrition. Molecules, 2021, 26, 4173.	1.7	5
5	Energy: Protein Ratio in Ruminants: Insights from the Intragastric Infusion Technique. Animals, 2021, 11, 2700.	1.0	2
6	Effects of Zinc Source and Enzyme Addition on the Fecal Microbiota of Dogs. Frontiers in Microbiology, 2021, 12, 688392.	1.5	5
7	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
8	Miniaturized Fluorimetric Method for Quantification of Zinc in Dry Dog Food. Journal of Analytical Methods in Chemistry, 2020, 2020, 1-6.	0.7	2
9	Supplemental selenium source on gut health: insights on fecal microbiome and fermentation products of growing puppies. FEMS Microbiology Ecology, 2020, 96, .	1.3	29
10	Flow-Based Dynamic Approach to Assess Bioaccessible Zinc in Dry Dog Food Samples. Molecules, 2020, 25, 1333.	1.7	8
11	Effect of Zinc Source and Exogenous Enzymes Supplementation on Zinc Status in Dogs Fed High Phytate Diets. Animals, 2020, 10, 400.	1.0	7
12	Applying nanotechnology to increase the rumen protection of amino acids in dairy cows. Scientific Reports, 2020, 10, 6830.	1.6	6
13	Assessment of potato peel and agro-forestry biochars supplementation on in vitro ruminal fermentation. PeerJ, 2020, 8, e9488.	0.9	2
14	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
15	Flexible and expeditious assay for quantitative monitoring of alpha-amylase and amyloglucosidase activities. MethodsX, 2019, 6, 246-258.	0.7	8
16	Unravelling the phytonutrients and antioxidant properties of European Vicia faba L. seeds. Food Research International, 2019, 116, 888-896.	2.9	32
17	Nitrogen isotopic fractionation as a biomarker for nitrogen use efficiency in ruminants: a meta-analysis. Animal, 2018, 12, 1827-1837.	1.3	36
18	The intensification of amyloglucosidase-based saccharification by ultrasound. Ultrasonics Sonochemistry, 2018, 49, 128-136.	3.8	8

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19	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
20	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
21	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
22	Ensilage of seaweeds from an integrated multi-trophic aquaculture system. Algal Research, 2017, 24, 290-298.	2.4	31
23	European marketable grain legume seeds: Further insight into phenolic compounds profiles. Food Chemistry, 2017, 215, 177-184.	4.2	95
24	HPLC-DAD-ESI/MS n profiling of phenolic compounds from Lathyrus cicera L. seeds. Food Chemistry, 2017, 214, 678-685.	4.2	29
25	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
26	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
27	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
28	The Potential Role of Seaweeds in the Natural Manipulation of Rumen Fermentation and Methane Production. Scientific Reports, 2016, 6, 32321.	1.6	104
29	Tracing seaweeds as mineral sources for farm-animals. Journal of Applied Phycology, 2016, 28, 3135-3150.	1.5	91
30	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
31	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
32	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
33	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
34	Technical note: Stearidonic acid metabolism by mixed ruminal microorganisms in vitro1. Journal of Animal Science, 2012, 90, 900-904.	0.2	9
35	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
36	Identification of C18 Intermediates Formed During Stearidonic Acid Biohydrogenation by Rumen Microorganisms In Vitro. Lipids, 2012, 47, 171-183.	0.7	7

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37	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
38	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
39	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
40	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
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	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
49	Factors affecting odd- and branched-chain fatty acids in milk: A review. Animal Feed Science and Technology, 2006, 131, 389-417.	1.1	861
50	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
51	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
52	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
53	Lactation responses of dairy cows to whole-crop wheat or ryegrass silages. Animal Feed Science and Technology, 2005, 118, 153-160.	1.1	10
54	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

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55	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
56	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
57	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