

LuÃs Ferreira

List of Publications by Year in descending order

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96
papers

1,987
citations

257357

24
h-index

302012

39
g-index

99
all docs

99
docs citations

99
times ranked

1994
citing authors

#	ARTICLE	IF	CITATIONS
1	Cowpea (<i>Vigna unguiculata</i> L. Walp), a renewed multipurpose crop for a more sustainable agri-food system: nutritional advantages and constraints. <i>Journal of the Science of Food and Agriculture</i> , 2016, 96, 2941-2951.	1.7	169
2	Modification of wheat straw lignin by solid state fermentation with white-rot fungi. <i>Bioresource Technology</i> , 2009, 100, 4829-4835.	4.8	148
3	Effect of enzyme extracts isolated from white-rot fungi on chemical composition and in vitro digestibility of wheat straw. <i>Animal Feed Science and Technology</i> , 2008, 141, 326-338.	1.1	95
4	Comparison of grazing behaviour, dietary overlap and performance in non-lactating domestic ruminants grazing on marginal heathland areas. <i>Livestock Science</i> , 2007, 106, 271-281.	0.6	71
5	Grazing land management and biodiversity in the Atlantic European heathlands: a review. <i>Agroforestry Systems</i> , 2013, 87, 19-43.	0.9	65
6	Understanding the equine cecum-colon ecosystem: current knowledge and future perspectives. <i>Animal</i> , 2011, 5, 48-56.	1.3	60
7	Foraging behaviour of domestic herbivore species grazing on heathlands associated with improved pasture areas. <i>Livestock Science</i> , 2013, 155, 373-383.	0.6	59
8	Validation of the alkane technique to estimate diet selection of goats grazing heather-gorse vegetation communities. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 1636-1646.	1.7	54
9	Effect of lignocellulosic and phenolic compounds on ammonia, nitric oxide and greenhouse gas emissions during composting. <i>Journal of Cleaner Production</i> , 2018, 171, 548-556.	4.6	49
10	Anthelmintic and nutritional effects of heather supplementation on Cashmere goats grazing perennial ryegrass-white clover pastures. <i>Journal of Animal Science</i> , 2007, 85, 861-870.	0.2	47
11	Increased protein content of chickpea (<i>Cicer arietinum</i> L.) inoculated with arbuscular mycorrhizal fungi and nitrogen-fixing bacteria under water deficit conditions. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 4379-4385.	1.7	43
12	Accuracy of the n-alkane technique for intake estimates in beef cattle using different sampling procedures and feeding levels. <i>Livestock Science</i> , 2007, 106, 28-40.	0.6	42
13	Diet selection and performance of sheep and goats grazing on different heathland vegetation types. <i>Small Ruminant Research</i> , 2013, 109, 119-127.	0.6	41
14	Nutrients, Antinutrients, Phenolic Composition, and Antioxidant Activity of Common Bean Cultivars and their Potential for Food Applications. <i>Antioxidants</i> , 2020, 9, 186.	2.2	41
15	Grazing behaviour and performance of lactating suckler cows, ewes and goats on partially improved heathlands. <i>Animal</i> , 2008, 2, 1818-1831.	1.3	38
16	The application of the n-alkane technique for estimating the composition of diets consumed by equines and cattle feeding on upland vegetation communities. <i>Animal Feed Science and Technology</i> , 2007, 138, 47-60.	1.1	37
17	Comparison of near-infrared (NIR) and mid-infrared (MIR) spectroscopy for the determination of nutritional and antinutritional parameters in common beans. <i>Food Chemistry</i> , 2020, 306, 125509.	4.2	35
18	Differences between domestic herbivores species in alkane faecal recoveries and the accuracy of subsequent estimates of diet composition. <i>Animal Feed Science and Technology</i> , 2009, 151, 128-142.	1.1	34

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19	Diet selection and live-weight changes of two breeds of goats grazing on heathlands. <i>Animal</i> , 2007, 1, 449-457.	1.3	31
20	The potential of white-rot fungi to degrade phorbol esters of <i>Jatropha curcas</i> L. seed cake. <i>Engineering in Life Sciences</i> , 2011, 11, 107-110.	2.0	30
21	Diet selection and performance of cattle and horses grazing in heathlands. <i>Animal</i> , 2011, 5, 1467-1473.	1.3	28
22	Improved grain yield of cowpea (<i>Vigna unguiculata</i>) under water deficit after inoculation with <i>Bradyrhizobium elkanii</i> and <i>Rhizophagus irregularis</i> . <i>Crop and Pasture Science</i> , 2017, 68, 1052.	0.7	28
23	Estimation of feed intake and apparent digestibility of equines and cattle grazing on heathland vegetation communities using the n-alkane markers. <i>Livestock Science</i> , 2007, 110, 46-56.	0.6	27
24	The use of the alkane technique to estimate diet selection of sheep grazing grass-clover/heather-gorse vegetation communities. <i>Journal of the Science of Food and Agriculture</i> , 2007, 87, 274-285.	1.7	26
25	Estimation of feed intake by cattle using controlled-release capsules containing n-alkanes or chromium sesquioxide. <i>Journal of Agricultural Science</i> , 2004, 142, 225-234.	0.6	25
26	Forage intake, digestibility and performance of cattle, horses, sheep and goats grazing together on an improved heathland. <i>Animal Production Science</i> , 2017, 57, 102.	0.6	24
27	Inoculation of plant growth promoting bacteria and arbuscular mycorrhizal fungi improve chickpea performance under water deficit conditions. <i>Applied Soil Ecology</i> , 2021, 164, 103927.	2.1	23
28	Grazing behaviour of domestic ruminants according to flock type and subsequent vegetation changes on partially improved heathlands. <i>Spanish Journal of Agricultural Research</i> , 2009, 7, 417.	0.3	23
29	Application of n-alkanes as diet composition markers in grazing/browsing goats and sheep: effect of using different faecal recovery corrections and plant species grouping approaches. <i>Australian Journal of Agricultural Research</i> , 2007, 58, 1013.	1.5	21
30	Is the anthelmintic effect of heather supplementation to grazing goats always accompanied by anti-nutritional effects?. <i>Animal</i> , 2008, 2, 1449-1456.	1.3	21
31	Assessment of very long-chain fatty acids as complementary or alternative natural fecal markers to n-alkanes for estimating diet composition of goats feeding on mixed diets ¹ . <i>Journal of Animal Science</i> , 2009, 87, 2732-2745.	0.2	20
32	Effect of Elevated Carbon Dioxide Concentration on Rice Quality: Proximate Composition, Dietary Fibers, and Free Sugars. <i>Cereal Chemistry</i> , 2014, 91, 293-299.	1.1	20
33	Effect of Harvest Year and Altitude on Nutritional and Biometric Characteristics of Blueberry Cultivars. <i>Journal of Chemistry</i> , 2016, 2016, 1-12.	0.9	20
34	Gaseous emissions and modification of slurry composition during storage and after field application: Effect of slurry additives and mechanical separation. <i>Journal of Environmental Management</i> , 2017, 200, 416-422.	3.8	20
35	Diet composition, herbage intake and digestibility in Inner Mongolian Cashmere goats grazing on native <i>Leymus chinensis</i> plant communities. <i>Livestock Science</i> , 2008, 116, 146-155.	0.6	18
36	The use of n-alkanes to estimate diet composition of ruminants grazing on species diverse plant communities – Effect of feeding selectivity on diet composition estimates. <i>Livestock Science</i> , 2007, 111, 114-123.	0.6	17

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37	Potential use of heather to control gastrointestinal nematodes in goats. <i>Small Ruminant Research</i> , 2012, 103, 60-68.	0.6	17
38	Effects of heather and oat supplementation on gastrointestinal nematode infections and performance of grazing Cashmere goats. <i>Small Ruminant Research</i> , 2010, 91, 186-192.	0.6	16
39	Evaluation of very long-chain fatty acids and n-alkane epicuticular compounds as markers for estimating diet composition of sheep fed heathland vegetation species. <i>Animal Feed Science and Technology</i> , 2010, 156, 75-88.	1.1	16
40	Preharvest Application of Seaweed Based Biostimulant Reduced Cherry (<i>Prunus Avium L.</i>) Cracking. <i>Procedia Environmental Sciences</i> , 2015, 29, 251-252.	1.3	16
41	Impact of Acorn Flour on Gluten-Free Dough Rheology Properties. <i>Foods</i> , 2020, 9, 560.	1.9	16
42	Effects of phenolic acid structures on meadow hay digestibility. <i>Animal Feed Science and Technology</i> , 2007, 136, 297-311.	1.1	15
43	Anthelmintic effect of heather in goats experimentally infected with <i>Trichostrongylus colubriformis</i> . <i>Parasitology Research</i> , 2014, 113, 693-699.	0.6	14
44	Comparison of feed intake, digestion and rumen function among domestic ruminant species grazing in upland vegetation communities. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, 846-856.	1.0	14
45	Diet selection and performance of horses grazing on different heathland types. <i>Animal</i> , 2017, 11, 1708-1717.	1.3	13
46	Evaluating the freezing impact on the proximate composition of immature cowpea (<i>Vigna</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 <i>Food and Agriculture</i> , 2017, 97, 4295-4305.	1.7	13
47	The influence of casein and urea as nitrogen sources on in vitro equine caecal fermentation. <i>Animal</i> , 2012, 6, 1096-1102.	1.3	12
48	Grazing behaviour of Miranda donkeys in a natural mountain pasture and parasitic level changes. <i>Livestock Science</i> , 2016, 186, 16-21.	0.6	12
49	The utilization of long-chain fatty acids as markers for diet composition estimates in ruminants: effects of animal species, diet composition and marker combination. <i>Grass and Forage Science</i> , 2011, 66, 183-195.	1.2	11
50	Evaluation of long-chain alcohols as diet composition markers in goats grazing heathland areas. <i>Animal</i> , 2012, 6, 683-692.	1.3	11
51	Chemometric analysis on free amino acids and proximate compositional data for selecting cowpea (<i>Vigna unguiculata L.</i>) diversity. <i>Journal of Food Composition and Analysis</i> , 2016, 53, 69-76.	1.9	11
52	Comparison of long-chain fatty acids and alkanes as markers to estimate diet composition of equines and cattle consuming heathland vegetation species. <i>Livestock Science</i> , 2010, 131, 260-271.	0.6	10
53	Application of long-chain alcohols as faecal markers to estimate diet composition of horses and cattle fed with herbaceous and woody species. <i>Animal</i> , 2015, 9, 1786-1794.	1.3	10
54	Impacts of horse grazing on botanical composition and diversity in different types of heathland. <i>Rangeland Journal</i> , 2017, 39, 375.	0.4	10

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55	Livestock Management for the Delivery of Ecosystem Services in Fire-Prone Shrublands of Atlantic Iberia. <i>Sustainability</i> , 2022, 14, 2775.	1.6	10
56	Effects of Stocking Rate and Heather Supplementation on Gastrointestinal Nematode Infections and Host Performance in Naturally-Infected Cashmere Goats. <i>Rangeland Ecology and Management</i> , 2009, 62, 127-135.	1.1	9
57	Relationship between in situ degradation kinetics and in vitro gas production fermentation using different mathematical models. <i>Animal Feed Science and Technology</i> , 2009, 151, 86-96.	1.1	9
58	Effect of the consumption of heather on incoming larvae and established population of <i>Teladorsagia circumcincta</i> in experimentally infected Cashmere goats. <i>Veterinary Parasitology</i> , 2013, 196, 124-129.	0.7	9
59	Application of long-chain alcohols as diet composition markers in sheep fed on grass-white clover and heather-gorse plant species. <i>Grass and Forage Science</i> , 2015, 70, 30-43.	1.2	9
60	Distribution of antioxidant compounds in the grain of the Mediterranean rice variety 'Ariete'. <i>CYTA - Journal of Food</i> , 2015, 13, 140-150.	0.9	9
61	Effects of seasonal variation, group size and sex on the activity budget and diet composition of the addax antelope. <i>African Journal of Range and Forage Science</i> , 2018, 35, 89-100.	0.6	9
62	Effect of collection time on the fermentative activity of microbes in equine faeces. <i>Animal Feed Science and Technology</i> , 2012, 178, 183-189.	1.1	8
63	The Effect of <i>Jatropha Curcas</i> Seed Meal on Growth Performance and Internal Organs Development and Lesions in Broiler Chickens. <i>Brazilian Journal of Poultry Science</i> , 2015, 17, 1-6.	0.3	8
64	Effect of Controlled Microbial Fermentation on Nutritional and Functional Characteristics of Cowpea Bean Flours. <i>Foods</i> , 2019, 8, 530.	1.9	8
65	Comparative foraging behaviour and performance between cattle and horses grazing in heathlands with different proportions of improved pasture area. <i>Journal of Applied Animal Research</i> , 2019, 47, 377-385.	0.4	8
66	Use of Plant-Growth Promoting Rhizobacteria and Mycorrhizal Fungi Consortium as a Strategy to Improve Chickpea (<i>Cicer arietinum</i> L.) Productivity under Different Irrigation Regimes. <i>Agronomy</i> , 2022, 12, 1383.	1.3	7
67	Influence of dental correction on nociceptive test responses, fecal appearance, body condition score, and apparent digestibility coefficient for dry matter of Zamorano-leones donkeys (<i>Equus asinus</i>) 1. <i>Journal of Animal Science</i> , 2013, 91, 4765-4771.	0.2	6
68	Stable Isotope Labeled n-Alkanes to Assess Digesta Passage Kinetics through the Digestive Tract of Ruminants. <i>PLoS ONE</i> , 2013, 8, e75496.	1.1	6
69	Biovalorization of Grape Stalks as Animal Feed by Solid State Fermentation Using White-Rot Fungi. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6800.	1.3	6
70	Urea treatment of whole-crop triticale at four growth stages: effects on chemical composition and <i>in vitro</i> digestibility of cell wall. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 964-970.	1.7	5
71	Heavy grazing by horses on heathlands of different botanical composition. , 2012, , 219-226.		5
72	A novel feedstuff: ensiling of cowpea (<i>Vigna unguiculata</i> L.) stover and apple (<i>Malus</i>) stability. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 4306-4313.	1.7	5

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73	Potential use of cowpea (<i>Vigna unguiculata</i> (L.) Walp.) stover treated with white-rot fungi as rabbit feed. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 4386-4390.	1.7	5
74	Foraging behaviour and performance of steers from two local breeds (Asturian Valley and Asturian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2019, 17, e0601.	0.3	5
75	Application of Fourier transform infrared spectroscopy (FTIR) techniques in the mid-IR (MIR) and near-IR (NIR) spectroscopy to determine n-alkane and long-chain alcohol contents in plant species and faecal samples. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2022, 280, 121544.	2.0	5
76	Effect of nitrogen sources on in vitro fermentation profiles and microbial yield using equine caecal contents. <i>Animal Feed Science and Technology</i> , 2013, 182, 93-99.	1.1	4
77	Utilization of carbon isotope enrichments ($\delta^{13}C$) of alkanes as faecal markers to estimate diet composition of goats fed with heathland vegetation. <i>Animal Feed Science and Technology</i> , 2014, 191, 26-38.	1.1	4
78	Introducing Mediterranean Lupins in Lambs' Diets: Effects on Growth and Digestibility. <i>Animals</i> , 2021, 11, 942.	1.0	4
79	Comparative digestibility of low-quality grass hay by two breeds of cattle differing in mature live weight. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2014, 98, 453-457.	1.0	3
80	Evaluation of the nutritive value of muiumba (<i>Baikiaea plurijuga</i>) seeds: chemical composition, in vitro organic matter digestibility and in vitro gas production. <i>SpringerPlus</i> , 2014, 3, 311.	1.2	3
81	Performance of domestic herbivores in marginal heathlands. , 2012, , 148-152.		3
82	Grazing systems and the role of horses in heathland areas. , 2012, , 137-146.		3
83	Effect of cowpea (<i>Vigna Unguiculata</i> (L.) Walp) Stover dietary inclusion level on total tract apparent digestibility of nutrients in growing rabbits. <i>World Rabbit Science</i> , 2019, 27, 15.	0.1	3
84	Technical note: Fatty acids and purine profile of cecum and colon bacteria as indicators of equine microbial metabolism1. <i>Journal of Animal Science</i> , 2013, 91, 1753-1757.	0.2	2
85	Productive responses of breeding Cashmere goats and their kids to different stocking rates on improved upland pastures1. <i>Journal of Animal Science</i> , 2016, 94, 1276-1286.	0.2	2
86	Combination of long-chain alcohols and fatty acids with alkanes as faecal markers to estimate feed intake and digestibility in horses and cattle fed on grass-heathland vegetation communities. <i>Canadian Journal of Animal Science</i> , 2016, 96, 221-231.	0.7	2
87	Agroforestry Systems in Northern Spain: The Role of Land Management and Socio-economy in the Dynamics of Landscapes. , 2017, , 189-215.		2
88	Effects of animal species and diet composition on long-chain alcohol faecal recoveries and accuracy of subsequent diet composition estimates. <i>Grass and Forage Science</i> , 2018, 73, 355-367.	1.2	2
89	Preservation of Fungal-Treated Cowpea Straw in Association with Discarded Apple by Ensilage Process. <i>Waste and Biomass Valorization</i> , 2021, 12, 5533-5543.	1.8	2
90	The effect of cellulose crystallinity on their in vitro digestibility and fermentation kinetics of meadow hay and barley, wheat and rice straws. <i>Journal of the Science of Food and Agriculture</i> , 2003, 83, 652-657.	1.7	1

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91	Assessment of diet composition of free-ranging addax antelopes (<i>Addax nasomaculatus</i>) by the combination of microhistological procedures and <i>n</i> -alkanes and long-chain alcohols as fecal markers. Canadian Journal of Zoology, 2018, 96, 1284-1289.	0.4	1
92	Incorporation of untreated or white-rot fungi treated cowpea stover on performance, digestibility, health and meat quality of growing rabbits. Animal Feed Science and Technology, 2021, 281, 115100.	1.1	1
93	Effects of Dietary Incorporation of Grape Stalks Untreated and Fungi-Treated in Growing Rabbits: A Preliminary Study. Animals, 2022, 12, 112.	1.0	1
94	Foraging behaviour of equines grazing on partially improved heathlands. , 2012, , 227-230.		0
95	Could basidiomycetes fungi be an alternative for the treatment of fibrous feedstuffs? application of enzymatic complexes and future prospects. Revista Brasileira De Zootecnia, 2010, 39, 519-527.	0.3	0
96	Introducing Mediterranean Lupins in Lamb Diets: Effects on Carcass Composition, Meat Quality, and Intramuscular Fatty Acid Profile. Animals, 2022, 12, 1758.	1.0	0