Antonello Cannas

List of Publications by Year
in descending order

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57	1,766	361296	276775
papers	citations	20 h-index	41 g-index

58	58	58	1644
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A mechanistic model for predicting the nutrient requirements and feed biological values for sheep1. Journal of Animal Science, 2004, 82, 149-169.	0.2	232
2	Alternative feed resources and their effects on the quality of meat and milk from small ruminants. Animal Feed Science and Technology, 2008, 147, 223-246.	1.1	205
3	Effects of nutrition on the contents of fat, protein, somatic cells, aromatic compounds, and undesirable substances in sheep milk. Animal Feed Science and Technology, 2006, 131, 255-291.	1.1	149
4	Excretion of Aflatoxin M1 in Milk of Dairy Ewes Treated with Different Doses of Aflatoxin B1. Journal of Dairy Science, 2003, 86, 2667-2675.	1.4	128
5	A nutrition mathematical model to account for dietary supply and requirements of energy and other nutrients for domesticated small ruminants: The development and evaluation of the Small Ruminant Nutrition System. Small Ruminant Research, 2010, 89, 174-184.	0.6	114
6	Feeding strategies to design the fatty acid profile of sheep milk and cheese. Revista Brasileira De Zootecnia, 2014, 43, 445-456.	0.3	104
7	Effect of Dietary Energy and Protein Concentration on the Concentration of Milk Urea Nitrogen in Dairy Ewes. Journal of Dairy Science, 1998, 81, 499-508.	1.4	91
8	An update on the nutrition of dairy sheep grazing Mediterranean pastures. Small Ruminant Research, 2008, 77, 93-112.	0.6	54
9	Models for estimating feed intake in small ruminants. Revista Brasileira De Zootecnia, 2013, 42, 675-690.	0.3	49
10	How can nutrition models increase the production efficiency of sheep and goat operations?. Animal Frontiers, 2019, 9, 33-44.	0.8	42
11	Sheep and Goats Respond Differently to Feeding Strategies Directed to Improve the Fatty Acid Profile of Milk Fat. Animals, 2020, 10, 1290.	1.0	42
12	A generalized compartmental model to estimate the fibre mass in the ruminoreticulum: 2. Integrating digestion and passage. Journal of Theoretical Biology, 2008, 255, 357-368.	0.8	37
13	The assessment of supplementation requirements of grazing ruminants using nutrition models. Translational Animal Science, 2019, 3, 811-828.	0.4	34
14	A generalized compartmental model to estimate the fibre mass in the ruminoreticulum: 1. Estimating parameters of digestion. Journal of Theoretical Biology, 2008, 255, 345-356.	0.8	33
15	Volatile organic compounds and palatability of concentrates fed to lambs and ewes. Small Ruminant Research, 2012, 103, 120-132.	0.6	31
16	Effects of heat stress and diet on milk production and feed and energy intake of Sarda ewes. Italian Journal of Animal Science, 2007, 6, 577-579.	0.8	30
17	Feeding and management techniques to favour summer sheep milk and cheese production in the Mediterranean environment. Small Ruminant Research, 2015, 126, 43-58.	0.6	30
18	Non-nutritional factors affecting lactation persistency in dairy ewes: a review. Italian Journal of Animal Science, 2007, 6, 115-141.	0.8	25

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19	Use of animal and dietary information to predict rumen turnover. Animal Feed Science and Technology, 2003, 106, 95-117.	1.1	22
20	Effects of nutrition on main components of sheep milk. Small Ruminant Research, 2020, 184, 106015.	0.6	21
21	Review: Managing sheep and goats for sustainable high yield production. Animal, 2021, 15, 100293.	1.3	21
22	Decreasing dietary NFC concentration during mid-lactation of dairy ewes: Does it result in higher milk production?. Small Ruminant Research, 2013, 111, 41-49.	0.6	19
23	A multivariate and stochastic approach to identify key variables to rank dairy farms on profitability. Journal of Dairy Science, 2013, 96, 3378-3387.	1.4	18
24	A glimpse of the future in animal nutrition science. 1. Past and future challenges. Revista Brasileira De Zootecnia, 2017, 46, 438-451.	0.3	17
25	Feeding of lactating ewes.. , 2004, , 79-108.		17
26	Effects of restricted time allocation to pasture on feeding behaviour, intake and milk production of dairy sheep rotationally grazing Italian ryegrass (Lolium multiflorum Lam) in spring. Animal Production Science, 2014, 54, 1233.	0.6	14
27	Grazing behaviour, intake and performance of dairy ewes with restricted access time to berseem clover (Trifolium alexandrinum L.) pasture. Grass and Forage Science, 2017, 72, 194-210.	1.2	13
28	Role of sensorial perceptions in feed selection and intake by domestic herbivores. Italian Journal of Animal Science, 2009, 8, 243-251.	0.8	12
29	Prediction of voluntary dry matter intake in stall fed growing goats. Livestock Science, 2019, 219, 1-9.	0.6	12
30	A nutrition mathematical model to account for dietary supply and requirements of energy and nutrients for domesticated small ruminants: the development and evaluation of the Small Ruminant Nutrition System. Revista Brasileira De Zootecnia, 2008, 37, 178-190.	0.3	12
31	Effect of winter and spring meteorological conditions on milk production of grazing dairy sheep in the Mediterranean environment. Small Ruminant Research, 2017, 153, 194-208.	0.6	11
32	Development and evaluation of empirical equations to predict ruminal fractional passage rate of forages in goats. Journal of Agricultural Science, 2012, 150, 95-107.	0.6	10
33	Simple allometric models to predict rumen feed passage rate in domestic ruminants.. , 2000, , 49-62.		10
34	The Small Ruminant Nutrition System: development and evaluation of a goat submodel. Italian Journal of Animal Science, 2007, 6, 609-611.	0.8	7
35	Effects of different fat-enriched concentrates on fatty acid profile of cheese from grazing dairy sheep. Italian Journal of Animal Science, 2009, 8, 378-380.	0.8	7
36	Prediction of intake and average daily gain by different feeding systems for goats. Small Ruminant Research, 2011, 98, 93-97.	0.6	7

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37	Milk Urea Concentration in Dairy Sheep: Accounting for Dietary Energy Concentration. Animals, 2019, 9, 1118.	1.0	7
38	Metabolic and hormonal control of energy utilization and partitioning from early to mid lactation in Sarda ewes and Saanen goats. Journal of Dairy Science, 2021, 104, 3617-3631.	1.4	7
39	Assessment of feed and economic efficiency of dairy farms based on multivariate aggregation of partial indicators measured on field. Journal of Dairy Science, 2021, 104, 12679-12692.	1.4	7
40	Energy and protein requirements.. , 2004, , 31-49.		7
41	Meta-analysis of spineless cactus feeding to meat lambs: performance and development of mathematical models to predict dry matter intake and average daily gain. Animal, 2019, 13, 2260-2267.	1.3	6
42	Dietary Starch Concentration Affects Dairy Sheep and Goat Performances Differently during Mid-Lactation. Animals, 2021, 11, 1222.	1.0	6
43	Energy and protein requirements of goats.. , 2008, , 118-146.		6
44	An observational study to verify the influence of different nutritional corn silage-based strategies on efficient use of dietary nutrients, faecal fermentation profile, and profitability in a cohort of intensive dairy farms. Italian Journal of Animal Science, 2022, 21, 228-243.	0.8	6
45	Using the Small Ruminant Nutrition System to develop and evaluate an alternative approach to estimating the dry matter intake of goats when accounting for ruminal fiber stratification. Journal of Dairy Science, 2014, 97, 7185-7196.	1.4	5
46	Testicular development in male lambs prenatally exposed to a highâ€starch diet. Molecular Reproduction and Development, 2018, 85, 406-416.	1.0	5
47	Prediction of energy requirement for growing sheep with the Cornell Net Carbohydrate and Protein System.. , 0, , 99-113.		5
48	A review on the effects of part-time grazing herbaceous pastures on feeding behaviour and intake of cattle, sheep and horses. Livestock Science, 2022, 263, 104982.	0.6	5
49	Prenatal exposure to different diets influences programming of glucose and insulin metabolism in dairy ewes. Journal of Dairy Science, 2020, 103, 8853-8863.	1.4	4
50	Estimation of nitrogen volatilisation in the bedded-pack of dairy cow barns. Italian Journal of Animal Science, 2009, 8, 253-255.	0.8	3
51	Development and evaluation of a model to predict sheep nutrient requirements and feed utilisation. Italian Journal of Animal Science, 2005, 4, 15-33.	0.8	2
52	Effects of heat stress on milk yield in Sardinian dairy sheep farms. Italian Journal of Animal Science, 2010, 6, .	0.8	2
53	Cold markedly influences milk yield of Sardinian dairy sheep farms. Italian Journal of Animal Science, 2010, 6, .	0.8	1
54	Cardoon Meal as Alternative Protein Source to Soybean Meal for Limousine Bulls Fattening Period: Effects on Growth Performances and Meat Quality Traits. Animals, 2021, 11, 3383.	1.0	1

#	Article	IF	Citations
55	Dairy goat kids fed liquid diets in substitution of goat milk and slaughtered at different ages: an economic viability analysis using Monte Carlo techniques. Animal, 2016, 10, 490-499.	1.3	0
56	Pre- and Post-Slaughter Methodologies to Estimate Body Fat Reserves in Lactating Saanen Goats. Animals, 2021, 11, 1440.	1.0	0
57	Effects of dietary starch and fiber concentration on post-prandial evolution of blood metabolites and hormones in lactating ewes and goats. , 2019, , .		0