

Sonia Andr s

List of Publications by Year in descending order

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82
papers

2,361
citations

279487

23
h-index

223531

46
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82
all docs

82
docs citations

82
times ranked

2347
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of near infrared reflectance spectroscopy to predict meat and meat products quality: A review. <i>Meat Science</i> , 2009, 83, 175-186.	2.7	415
2	Manipulation of rumen fermentation and methane production with plant secondary metabolites. <i>Animal Feed Science and Technology</i> , 2012, 176, 78-93.	1.1	287
3	Prediction of sensory characteristics of lamb meat samples by near infrared reflectance spectroscopy. <i>Meat Science</i> , 2007, 76, 509-516.	2.7	124
4	The use of visible and near infrared reflectance spectroscopy to predict beef <i>M. longissimus thoracis et lumborum</i> quality attributes. <i>Meat Science</i> , 2008, 78, 217-224.	2.7	110
5	Ability of near infrared reflectance spectroscopy (NIRS) to estimate physical parameters of adult steers (oxen) and young cattle meat samples. <i>Meat Science</i> , 2008, 79, 692-699.	2.7	108
6	Potential use of near infrared reflectance spectroscopy (NIRS) for the estimation of chemical composition of oxen meat samples. <i>Meat Science</i> , 2006, 74, 487-496.	2.7	102
7	Effect of dietary carnolic acid on the fatty acid profile and flavour stability of meat from fattening lambs. <i>Food Chemistry</i> , 2013, 138, 2407-2414.	4.2	64
8	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.	1.5	57
9	Dietary supplemental plant oils reduce methanogenesis from anaerobic microbial fermentation in the rumen. <i>Scientific Reports</i> , 2020, 10, 1613.	1.6	55
10	Meat texture and antioxidant status are improved when carnolic acid is included in the diet of fattening lambs. <i>Meat Science</i> , 2012, 91, 430-434.	2.7	53
11	Essential Oils in Livestock: From Health to Food Quality. <i>Antioxidants</i> , 2021, 10, 330.	2.2	51
12	Effects of linseed and quercetin added to the diet of fattening lambs on the fatty acid profile and lipid antioxidant status of meat samples. <i>Meat Science</i> , 2014, 97, 156-163.	2.7	44
13	Quercetin dietary supplementation of fattening lambs at 0.2% rate reduces discolouration and microbial growth in meat during refrigerated storage. <i>Meat Science</i> , 2013, 93, 207-212.	2.7	38
14	The liver antioxidant status of fattening lambs is improved by naringin dietary supplementation at 0.15% rates but not meat quality. <i>Animal</i> , 2012, 6, 863-870.	1.3	36
15	Concentrate plus ground barley straw pellets can replace conventional feeding systems for light fattening lambs. <i>Small Ruminant Research</i> , 2014, 116, 137-143.	0.6	34
16	Assessment of the antioxidant effect of astaxanthin in fresh, frozen and cooked lamb patties. <i>Food Research International</i> , 2018, 111, 342-350.	2.9	32
17	The Ability of Visible and near Infrared Reflectance Spectroscopy to Predict the Chemical Composition of Ground Chicken Carcasses and to Discriminate between Carcasses from Different Genotypes. <i>Journal of Near Infrared Spectroscopy</i> , 2005, 13, 109-117.	0.8	31
18	Discrimination of adult steers (oxen) and young cattle ground meat samples by near infrared reflectance spectroscopy (NIRS). <i>Meat Science</i> , 2008, 79, 198-201.	2.7	31

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19	Carnosic acid dietary supplementation at 0.12% rates slows down meat discoloration in gluteus medius of fattening lambs. <i>Meat Science</i> , 2012, 90, 789-795.	2.7	30
20	Nutritive evaluation of herbage from permanent meadows by near-infrared reflectance spectroscopy: 1. Prediction of chemical composition and in vitro digestibility. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 1564-1571.	1.7	29
21	Effect of the addition of hop (infusion or powder) on the oxidative stability of lean lamb patties during storage. <i>Small Ruminant Research</i> , 2015, 125, 73-80.	0.6	28
22	Naringin and vitamin E influence the oxidative stability and lipid profile of plasma in lambs fed fish oil. <i>Research in Veterinary Science</i> , 2011, 91, 98-102.	0.9	25
23	Total mixed ration pellets for light fattening lambs: effects on animal health. <i>Animal</i> , 2015, 9, 258-266.	1.3	24
24	Vinasse added to the concentrate for fattening lambs: Intake, animal performance, and carcass and meat characteristics. <i>Journal of Animal Science</i> , 2011, 89, 1153-1162.	0.2	21
25	Antioxidants included in the diet of fattening lambs: Effects on immune response, stress, welfare and distal gut microbiota. <i>Animal Feed Science and Technology</i> , 2012, 173, 177-185.	1.1	21
26	The effect of quercetin dietary supplementation on meat oxidation processes and texture of fattening lambs. <i>Meat Science</i> , 2014, 96, 806-811.	2.7	21
27	Visible and near infrared spectroscopy as an authentication tool: Preliminary investigation of the prediction of the ageing time of beef steaks. <i>Meat Science</i> , 2018, 142, 52-58.	2.7	21
28	Programming Merino lambs by early feed restriction reduces growth rates and increases fat accretion during the fattening period with no effect on meat quality traits. <i>Meat Science</i> , 2018, 135, 20-26.	2.7	21
29	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.	1.1	20
30	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.	1.3	20
31	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.	0.3	19
32	Nutritive Evaluation of Forages by near Infrared Reflectance Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2005, 13, 301-311.	0.8	18
33	Milk replacer restriction during early life impairs the live body weight and progesterone patterns of ewe lambs during the replacement period. <i>Journal of Dairy Science</i> , 2018, 101, 8021-8031.	1.4	16
34	Effects of a tannin-rich legume (<i>Onobrychis viciifolia</i>) on in vitro ruminal biohydrogenation and fermentation. <i>Spanish Journal of Agricultural Research</i> , 2016, 14, e0602.	0.3	16
35	Effects of dietary astaxanthin supplementation on the oxidative stability of meat from suckling lambs fed a commercial milk-replacer containing butylated hydroxytoluene. <i>Meat Science</i> , 2019, 156, 68-74.	2.7	14
36	Potential use of visible and near infrared reflectance spectroscopy for the estimation of nitrogen fractions in forages harvested from permanent meadows. <i>Journal of the Science of Food and Agriculture</i> , 2006, 86, 308-314.	1.7	13

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37	Microbial Growth and Biogenic Amine Production in a Balkan-Style Fresh Sausage during Refrigerated Storage under a CO ₂ -Containing Anaerobic Atmosphere: Effect of the Addition of Zataria multiflora Essential Oil and Hops Extract. <i>Antibiotics</i> , 2019, 8, 227.	1.5	13
38	Prediction of gas production kinetic parameters of forages by chemical composition and near infrared reflectance spectroscopy. <i>Animal Feed Science and Technology</i> , 2005, 123-124, 487-499.	1.1	12
39	Vinasse added to dried sugar beet pulp: Preference rate, voluntary intake, and digestive utilization in sheep ¹ . <i>Journal of Animal Science</i> , 2009, 87, 2055-2063.	0.2	12
40	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.	1.0	12
41	Quercetin and flaxseed included in the diet of fattening lambs: Effects on immune response, stress during road transport and ruminal acidosis. <i>Livestock Science</i> , 2013, 158, 84-90.	0.6	11
42	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. <i>Journal of Agricultural Science</i> , 2016, 154, 542-552.	0.6	11
43	Liver transcriptomic and plasma metabolomic profiles of fattening lambs are modified by feed restriction during the suckling period ¹ . <i>Journal of Animal Science</i> , 2018, 96, 1495-1507.	0.2	11
44	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.	0.6	11
45	Effect of dietary carnolic acid on meat quality from suckling lambs. <i>Small Ruminant Research</i> , 2014, 121, 314-319.	0.6	10
46	Effects of supplemental plant oils on rumen bacterial community profile and digesta fatty acid composition in a continuous culture system (RUSITEC). <i>Anaerobe</i> , 2020, 61, 102143.	1.0	10
47	Prediction of aspects of neutral detergent fibre digestion of forages by chemical composition and near infrared reflectance spectroscopy. <i>Australian Journal of Agricultural Research</i> , 2005, 56, 187.	1.5	9
48	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.	2.7	9
49	Nutritive evaluation of herbage from permanent meadows by near-infrared reflectance spectroscopy: 2. Prediction of crude protein and dry matter degradability. <i>Journal of the Science of Food and Agriculture</i> , 2005, 85, 1572-1579.	1.7	8
50	Differentiation between carcasses from suckling lambs reared with ewe milk or milk replacers by near infrared reflectance spectroscopy of perirenal fat. <i>Small Ruminant Research</i> , 2007, 72, 221-226.	0.6	8
51	Vegetable oil soapstocks reduce methane production and modify ruminal fermentation. <i>Animal Feed Science and Technology</i> , 2012, 176, 40-46.	1.1	8
52	Effect of sunflower oil supplementation and milking frequency reduction on sheep milk production and composition ¹ . <i>Journal of Animal Science</i> , 2013, 91, 446-454.	0.2	8
53	Effects of dietary inclusion of sunflower soap stocks on nutrient digestibility, growth performance, and ruminal and blood metabolites of light fattening lambs ¹ . <i>Journal of Animal Science</i> , 2014, 92, 4086-4094.	0.2	8
54	Effect of dietary supplementation with carnolic acid or vitamin E on animal performance, haematological and immunological characteristics of artificially reared suckling lambs before and after road transport. <i>Archives of Animal Nutrition</i> , 2017, 71, 272-284.	0.9	8

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55	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.	1.4	8
56	Effect of age of regrowth, chemical composition and secondary metabolites on the digestibility of <i>Leucaena leucocephala</i> in the Cauto Valley, Cuba. <i>Agroforestry Systems</i> , 2020, 94, 1247-1253.	0.9	8
57	Naringin dietary supplementation at 0.15% rates does not provide protection against sub-clinical acidosis and does not affect the responses of fattening lambs to road transportation. <i>Animal</i> , 2010, 4, 958-964.	1.3	7
58	Early feed restriction of lambs modifies ileal epimural microbiota and affects immunity parameters during the fattening period. <i>Animal</i> , 2018, 12, 2115-2122.	1.3	7
59	Early Feed Restriction Programs Metabolic Disorders in Fattening Merino Lambs. <i>Animals</i> , 2018, 8, 83.	1.0	7
60	Moderated milk replacer restriction of ewe lambs alters gut immunity parameters during the pre-weaning period and impairs liver function and animal performance during the replacement phase. <i>Animal Feed Science and Technology</i> , 2018, 243, 80-89.	1.1	7
61	Liver transcriptomic and proteomic profiles of preweaning lambs are modified by milk replacer restriction. <i>Journal of Dairy Science</i> , 2019, 102, 1194-1204.	1.4	7
62	The effects of storage and hop extract on aroma and flavour compounds in Balkan-style sausages packed under a CO ₂ -containing anaerobic atmosphere. <i>Heliyon</i> , 2020, 6, e05251.	1.4	7
63	Fattening lambs with divergent residual feed intakes and weight gains: Unravelling mechanisms driving feed efficiency. <i>Animal Feed Science and Technology</i> , 2021, 273, 114821.	1.1	7
64	Feed intake, digestibility, and carcass characteristics of lambs fed a diet supplemented with soluble fibre. <i>Animal Production Science</i> , 2010, 50, 45.	0.6	6
65	Effect of reduction of milking frequency and supplementation of vitamin E and selenium above requirements on milk yield and composition in Assaf ewes. <i>Journal of Dairy Science</i> , 2012, 95, 3527-3535.	1.4	6
66	Effect of hop (<i>Humulus lupulus</i> L.) inclusion in the diet for fattening lambs on animal performance, ruminal characteristics and meat quality. <i>Food Research International</i> , 2018, 108, 42-47.	2.9	6
67	Dietary Administration of L-Carnitine During the Fattening Period of Early Feed Restricted Lambs Modifies Ruminal Fermentation but Does Not Improve Feed Efficiency. <i>Frontiers in Physiology</i> , 2022, 13, 840065.	1.3	6
68	Effect of dietary supplementation with flaxseed oil or vitamin E on sheep experimentally infected with <i>Fasciola hepatica</i> . <i>Research in Veterinary Science</i> , 2014, 97, 71-79.	0.9	5
69	Immersing fresh chicken into an aqueous hop (<i>Humulus lupulus</i>) extract to delay spoilage during vacuum refrigerated storage. <i>CYTA - Journal of Food</i> , 2020, 18, 132-136.	0.9	5
70	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.	0.6	4
71	Metabolic acidosis corrected by including antioxidants in diets of fattening lambs. <i>Small Ruminant Research</i> , 2013, 109, 133-135.	0.6	4
72	Effects of sunflower soap stocks on light lamb meat quality. <i>Journal of Animal Science</i> , 2017, 95, 3455-3466.	0.2	4

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73	Effects of Birth Weight on Animal Performance, Fattening Traits and Meat Quality of Lambs. <i>Animals</i> , 2020, 10, 2364.	1.0	4
74	Effects of pre-incubation in sheep and goat saliva on <i>in vitro</i> rumen digestion of tanniferous browse foliage. <i>Journal of Agricultural Science</i> , 2013, 151, 898-906.	0.6	3
75	The Role of Feed Restriction on DNA Methylation, Feed Efficiency, Metabolome, Biochemical Profile, and Progesterone Patterns in the Female Filial Generation (F1) Obtained From Early Feed Restricted Ewes (F0). <i>Frontiers in Physiology</i> , 2021, 12, 779054.	1.3	3
76	Prediction of Chemical Composition of Sugar Beet Pulp by near Infrared Reflectance Spectroscopy. <i>Journal of Near Infrared Spectroscopy</i> , 2008, 16, 105-110.	0.8	2
77	Divergent values in feed efficiency promote changes on meat quality of fattening lambs. <i>Small Ruminant Research</i> , 2021, 198, 106353.	0.6	2
78	Banana Pseudo-Stem Increases the Water-Holding Capacity of Minced Pork Batter and the Oxidative Stability of Pork Patties. <i>Foods</i> , 2021, 10, 2173.	1.9	2
79	How can NIRS method be used to predict <i>in situ</i> crude protein and neutral detergent fibre degradation in herbage?. <i>Journal of Animal and Feed Sciences</i> , 2005, 14, 727-736.	0.4	2
80	Effects of sunflower soap stocks on light lamb meat quality. <i>Journal of Animal Science</i> , 2017, 95, 3455.	0.2	2
81	<i>Erythrina variegata</i> quality in the Cauto Valley, Cuba. <i>Agroforestry Systems</i> , 2020, 94, 1209-1218.	0.9	1
82	Effects of dietary inclusion of sunflower soap stocks on colour, oxidation and microbiological growth of meat from light fattening lambs. <i>International Journal of Food Science and Technology</i> , 2020, 55, 1119-1125.	1.3	1