Gerardo Caja

List of Publications by Year in descending order

115 papers	2,882 citations	185998 28 h-index	223531 46 g-index
121 all docs	121 docs citations	121 times ranked	2281 citing authors

#	Article	IF	Citations
1	Invited review: Current production trends, farm structures, and economics of the dairy sheep and goat sectors. Journal of Dairy Science, 2018, 101, 6715-6729.	1.4	272
2	Physiological responses and lactational performances of late-lactation dairy goats under heat stress conditions. Journal of Dairy Science, 2013, 96, 6355-6365.	1.4	131
3	Different levels of response to heat stress in dairy goats. Small Ruminant Research, 2014, 121, 73-79.	0.6	122
4	Using markers to estimate apparent dry matter digestibility, faecal output and dry matter intake in dairy ewes fed Italian ryegrass hay or alfalfa hay. Small Ruminant Research, 1999, 33, 145-152.	0.6	87
5	Engineering to support wellbeing of dairy animals. Journal of Dairy Research, 2016, 83, 136-147.	0.7	76
6	Feeding Soybean Oil to Dairy Goats Increases Conjugated Linoleic Acid in Milk. Journal of Dairy Science, 2008, 91, 2399-2407.	1.4	72
7	Effects of Once Versus Twice Daily Milking Throughout Lactation on Milk Yield and Milk Composition in Dairy Goats. Journal of Dairy Science, 2003, 86, 1673-1680.	1.4	69
8	Effects of dietary supplements of zinc-methionine on milk production, udder health and zinc metabolism in dairy goats. Journal of Dairy Research, 2003, 70, 9-17.	0.7	68
9	Use of ultrasonography to estimate cistern size and milk storage at different milking intervals in the udder of dairy cows. Journal of Dairy Research, 2003, 70, 1-7.	0.7	63
10	Development of a ceramic bolus for the permanent electronic identification of sheep, goat and cattle. Computers and Electronics in Agriculture, 1999, 24, 45-63.	3.7	61
11	Analysis of founder-specific inbreeding depression on birth weight in Ripollesa lambs1. Journal of Animal Science, 2009, 87, 72-79.	0.2	61
12	Economic profitability and typology of Ripollesa breed sheep farms in Spain. Small Ruminant Research, 2003, 49, 97-105.	0.6	54
13	Changes in Cisternal Udder Compartment Induced by Milking Interval in Dairy Goats Milked Once or Twice Daily. Journal of Dairy Science, 2004, 87, 1181-1187.	1.4	50
14	Structure and performance of Awassi and Assaf dairy sheep farms in northwestern Spain. Journal of Dairy Science, 2011, 94, 771-784.	1.4	47
15	Omitting the Dry-Off Period Negatively Affects Colostrum and Milk Yield in Dairy Goats. Journal of Dairy Science, 2006, 89, 4220-4228.	1.4	44
16	Effect of Milking Interval on Milk Secretion and Mammary Tight Junction Permeability in Dairy Ewes. Journal of Dairy Science, 2008, 91, 2610-2619.	1.4	42
17	Evaluation of Udder Cisterns and Effects on Milk Yield of Dairy Ewes. Journal of Dairy Science, 2008, 91, 4622-4629.	1.4	42
18	Effects of calcium soaps and rumen undegradable protein on the milk production and composition of dairy ewes. Journal of Dairy Research, 1999, 66, 177-191.	0.7	40

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19	Changes in Cisternal Compartment Based on Stage of Lactation and Time Since Milk Ejection in the Udder of Dairy Cows. Journal of Dairy Science, 2004, 87, 2409-2415.	1.4	39
20	Effect of Pregnancy and Extended Lactation on Milk Production in Dairy Goats Milked Once Daily. Journal of Dairy Science, 2005, 88, 3894-3904.	1.4	39
21	Effects of milking interval and cisternal udder evaluation in Tunisian Maghrebi dairy dromedaries (Camelus dromedarius L.). Journal of Dairy Science, 2009, 92, 1452-1459.	1.4	36
22	Heat stress modifies the lactational performances and the urinary metabolomic profile related to gastrointestinal microbiota of dairy goats. PLoS ONE, 2019, 14, e0202457.	1.1	34
23	Ultrasound mammography in the lactating ewe and its correspondence to anatomical section. Small Ruminant Research, 1994, 13, 199-204.	0.6	33
24	Survival analysis from birth to slaughter of Ripollesa lambs under semi-intensive management1. Journal of Animal Science, 2007, 85, 512-517.	0.2	33
25	Influence of Kid Rearing Systems on Milk Composition and Yield of Murciano-Granadina Dairy Goats. Journal of Dairy Science, 1997, 80, 3249-3255.	1.4	32
26	Determination of Fat, Protein, and Total Solids in Ovine Milk by Near-Infrared Spectroscopy. Journal of AOAC INTERNATIONAL, 1999, 82, 753-758.	0.7	32
27	Using wireless rumen sensors for evaluating the effects of diet and ambient temperature in nonlactating dairy goats. Journal of Dairy Science, 2015, 98, 4646-4658.	1.4	32
28	Effect of different milking intervals on the composition of cisternal and alveolar milk in dairy cows. Journal of Dairy Research, 2004, 71, 304-310.	0.7	31
29	Milkability of Murcianoâ€“Granadina dairy goats. Milk partitioning and flow rate during machine milking according to parity, prolificacy and mode of suckling. Journal of Dairy Research, 1996, 63, 1-9.	0.7	28
30	Effects of injection position and transponder size on the performances of passive injectable transponders used for the electronic identification of cattle.. Journal of Animal Science, 2000, 78, 3001.	0.2	28
31	Effects of adding a mixture of malate and yeast culture (Saccharomyces cerevisiae) on milk production of Murciano-Granadina dairy goats. Animal Research, 2002, 51, 295-303.	0.6	28
32	Effect of Omitting One Milking Weekly on Lactational Performances and Morphological Udder Changes in Dairy Cows. Journal of Dairy Science, 2003, 86, 2352-2358.	1.4	28
33	Short Communication: Correlations Between Udder Morphology, Milk Yield, and Milking Ability with Different Milking Frequencies in Dairy Goats. Journal of Dairy Science, 2006, 89, 2076-2079.	1.4	28
34	Determination of Fat, Protein, Casein, Total Solids, and Somatic Cell Count in Goat's Milk by Near-Infrared Reflectance Spectroscopy. Journal of AOAC INTERNATIONAL, 2003, 86, 746-752.	0.7	26
35	Effect of subclinical intramammary infection on milk quality in dairy sheep: II. Matured-pressed cheese (Manchego) produced from milk of uninfected and infected glands and from their blends. Small Ruminant Research, 2015, 126, 59-67.	0.6	26
36	The use of passive injectable transponders in fattening lambs from birth to slaughter: effects of injection position, age, and breed2. Journal of Animal Science, 2002, 80, 919-925.	0.2	25

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37	Changes in Alveolar and Cisternal Compartments Induced by Milking Interval in the Udder of Dairy Ewes. Journal of Dairy Science, 2008, 91, 3403-3411.	1.4	25
38	Effect of subclinical intrammamay infection on milk quality in dairy sheep: I. Fresh-soft cheese produced from milk of uninfected and infected glands and from their blends. Small Ruminant Research, 2015, 125, 127-136.	0.6	25
39	Lactational evaluation of effects of calcium soap of fatty acids on dairy ewes. Small Ruminant Research, 2006, 66, 1-10.	0.6	24
40	Association analyses between the prion protein locus and reproductive and lamb weight traits in Ripollesa sheep1. Journal of Animal Science, 2007, 85, 592-597.	0.2	24
41	Effects of chronic heat stress on lactational performance and the transcriptomic profile of blood cells in lactating dairy goats. Journal of Dairy Research, 2018, 85, 423-430.	0.7	24
42	Relationships between udder and milking traits in Murciano-Granadina dairy goats. Small Ruminant Research, 1999, 33, 171-179.	0.6	23
43	Identifying the major bacteria causing intramammary infections in individual milk samples of sheep and goats using traditional bacteria culturing and real-time polymerase chain reaction. Journal of Dairy Science, 2014, 97, 5393-5400.	1.4	23
44	The application of omics in ruminant production: a review in the tropical and sub-tropical animal production context. Journal of Proteomics, 2020, 227, 103905.	1.2	23
45	Comparison of voluntary food intake, apparent digestibility, digesta kinetics and digestive tract content in Manchega and Lacaune dairy sheep in late pregnancy and early and mid lactation. Animal Science, 2001, 72, 209-221.	1.3	22
46	CHARACTERIZATION OF CAROB FRUITS (Ceratonia siliqua L.), CULTIVATED IN SPAIN FOR AGROINDUSTRIAL USE. Forests, Trees and Livelihoods, 1996, 9, 1-9.	0.2	21
47	Effects of small ruminal boluses used for electronic identification of lambs on the growth and development of the reticulorumen1,2. Journal of Animal Science, 2003, 81, 879-884.	0.2	21
48	Sensing solutions for improving the performance, health and wellbeing of small ruminants. Journal of Dairy Research, 2020, 87, 34-46.	0.7	21
49	Effects of Ruminal Versus Duodenal Dosing of Fish Meal on Ruminal Fermentation and Milk Composition. Journal of Dairy Science, 1995, 78, 1999-2007.	1.4	20
50	Evaluation of migratory distance of passive transponders injected in different body sites of adult sheep for electronic identification. Livestock Science, 1998, 55, 279-289.	1.2	20
51	Heat stress affects some physiological and productive variables and alters metabolism in dairy ewes. Journal of Dairy Science, 2021, 104, 1099-1110.	1.4	20
52	Response of lactating dairy ewes to various levels of dietary calcium soaps of fatty acids. Animal Feed Science and Technology, 2006, 131, 312-332.	1.1	19
53	Retention of different sizes of electronic identification boluses in the forestomachs of sheep1,2. Journal of Animal Science, 2006, 84, 2865-2872.	0.2	19
54	Long-term performance of visual and electronic identification devices in dairy goats. Journal of Dairy Science, 2009, 92, 1500-1511.	1.4	19

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55	Thermographic variation of the udder of dairy ewes in early lactation and following an Escherichia coli endotoxin intramammary challenge in late lactation. Journal of Dairy Science, 2014, 97, 1377-1387.	1.4	19
56	Milk yield, milk composition, and milk metabolomics of dairy goats intramammary-challenged with lipopolysaccharide under heat stress conditions. Scientific Reports, 2020, 10, 5055.	1.6	19
57	Performance and effects of small ruminal boluses for the electronic identification of fattening lambs. Livestock Science, 2005, 92, 47-58.	1.2	17
58	Extended field test on the use of visual ear tags and electronic boluses for the identification of different goat breeds in the United States1. Journal of Animal Science, 2009, 87, 2419-2427.	0.2	17
59	Evaluating coagulation properties of milk from dairy sheep with subclinical intramammary infection using near infrared light scatter. A preliminary study. Journal of Food Engineering, 2016, 168, 180-190.	2.7	17
60	Comparison of visual and electronic identification devices in pigs: On-farm performances1,2. Journal of Animal Science, 2006, 84, 2575-2581.	0.2	16
61	Long- and short-term effects of omitting two weekend milkings on the lactational performance and mammary tight junction permeability of dairy ewes. Journal of Dairy Science, 2009, 92, 3684-3695.	1.4	16
62	Cost structure and profitability of Assaf dairy sheep farms in Spain. Journal of Dairy Science, 2014, 97, 5239-5249.	1.4	16
63	Traceability of extensively produced Iberian pigs using visual and electronic identification devices from farm to slaughter1. Journal of Animal Science, 2007, 85, 2746-2752.	0.2	14
64	Analysis of litter size and days to lambing in the Ripollesa ewe. I. Comparison of models with linear and threshold approaches1. Journal of Animal Science, 2007, 85, 618-624.	0.2	14
65	A proposal of linear assessment scheme for the udder of dairy camels (Camelus dromedarius L.). Tropical Animal Health and Production, 2016, 48, 927-933.	0.5	14
66	Evaluation of the retention of electronic identification boluses in the forestomachs of cattle1,2. Journal of Animal Science, 2006, 84, 2260-2268.	0.2	13
67	Suitability of electronic mini-boluses for early identification of lambs12. Journal of Animal Science, 2007, 85, 248-257.	0.2	13
68	Response to Lactation Induction Differs by Season of Year and Breed of Dairy Ewes. Journal of Dairy Science, 2008, 91, 2299-2306.	1.4	13
69	Readability of visual and electronic leg tags versus rumen boluses and electronic ear tags for the permanent identification of dairy goats. Journal of Dairy Science, 2010, 93, 5157-5166.	1.4	13
70	State-of-the-art of electronic identification techniques and applications in goats. Small Ruminant Research, 2014, 121, 42-50.	0.6	13
71	Short Communication: Comparison of Manual Versus Semiautomatic Milk Recording Systems in Dairy Goats. Journal of Dairy Science, 2008, 91, 1438-1442.	1.4	12
72	Fetal programming by co-twin rivalry in sheep1. Journal of Animal Science, 2014, 92, 64-71.	0.2	12

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73	Lactational Responses of Heat-Stressed Dairy Goats to Dietary L-Carnitine Supplementation. Animals, 2019, 9, 567.	1.0	12
74	Effects of the frequency of milking and lactation stage on milk fractions and milk composition in TinerfeÃ±a dairy goats. Small Ruminant Research, 2008, 75, 252-255.	0.6	11
75	Performance of dairy ewes fed diets with a fibrolytic enzyme product included in the concentrate during the suckling period. Animal, 2008, 2, 962-968.	1.3	11
76	Effect of malate and starch source on digestibility and nutrient balance of growing-fattening lambs. Animal Feed Science and Technology, 2012, 174, 154-162.	1.1	11
77	A bivariate model for retinal image identification in lambs. Computers and Electronics in Agriculture, 2012, 87, 108-112.	3.7	11
78	Implementing electronic identification for performance recording in sheep: I. Manual versus semiautomatic and automatic recording systems in dairy and meat farms. Journal of Dairy Science, 2014, 97, 7505-7514.	1.4	11
79	Genetic determinism for within-litter birth weight variation and its relationship with litter weight and litter size in the Ripollesa ewe breed. Animal, 2007, 1, 637-644.	1.3	10
80	Analysis of litter size and days to lambing in the Ripollesa ewe. II. Estimation of variance components and response to phenotypic selection on litter size1. Journal of Animal Science, 2007, 85, 625-631.	0.2	9
81	Modeling the retention of rumen boluses for the electronic identification of goats. Journal of Dairy Science, 2011, 94, 716-726.	1.4	9
82	Retinal image recognition for verifying the identity of fattening and replacement lambs1. Journal of Animal Science, 2011, 89, 2603-2613.	0.2	9
83	Influence of management type and stage of lactation on the performance and milk fatty acid profile of dairy camels (Camelus dromedaries). Journal of Agricultural Science, 2018, 156, 1111-1122.	0.6	9
84	Determination of chemical composition of carob pods by near-infrared reflectance spectroscopy. Journal of the Science of Food and Agriculture, 1993, 63, 309-312.	1.7	8
85	Mammogenesis and Induced Lactation With or Without Reserpine in Nulliparous Dairy Goats. Journal of Dairy Science, 2007, 90, 3751-3757.	1.4	8
86	Effects of Cold Exposure on Some Physiological, Productive, and Metabolic Variables in Lactating Dairy Goats. Animals, 2020, 10, 2383.	1.0	8
87	Prenatal heat stress effects on gestation and postnatal behavior in kid goats. PLoS ONE, 2020, 15, e0220221.	1.1	8
88	Conditioned aversion to olive tree leaves (Olea europaea L.) in goats and sheep. Applied Animal Behaviour Science, 2010, 128, 45-49.	0.8	7
89	Accounting for additive genetic mutations on litter size in Ripollesa sheep1. Journal of Animal Science, 2010, 88, 1248-1255.	0.2	7
90	Kinetics of lithium as a lithium chloride dose suitable for conditioned taste aversion in lactating goats and dry sheep1. Journal of Animal Science, 2015, 93, 562-569.	0.2	7

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91	Comparison of visual and electronic devices for individual identification of dromedary camels under different farming conditions. Journal of Animal Science, 2016, 94, 3561-3571.	0.2	7
92	Effect of breed and lithium chloride dose on the conditioned aversion to olive tree leaves (Olea) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	0.8	6
93	Milk Production and Energetic Metabolism of Heat-Stressed Dairy Goats Supplemented with Propylene Glycol. Animals, 2020, 10, 2449.	1.0	6
94	Metabolic and behavior responses of lactating goats under heat stress. Small Ruminant Research, 2021, 203, 106496.	0.6	6
95	Comparison of visual and electronic identification devices in pigs: Slaughterhouse performance1,2. Journal of Animal Science, 2007, 85, 497-502.	0.2	5
96	Voluntary dry-matter intake and digesta kinetics of twin- or single-bearing Manchega ewes given Italian ryegrass hay or alfalfa hay in late pregnancy. Animal Science, 1998, 67, 559-566.	1.3	4
97	In vitrofermentative characteristics of ruminant diets supplemented with fibrolytic enzymes and ranges of optimal endo-Î²-1,4-glucanase activity. Journal of Animal Physiology and Animal Nutrition, 2010, 94, 250-263.	1.0	4
98	Suitability of electronic mini-boluses for the early identification of goat kids and effects on growth performance and development of the reticulorumen12. Journal of Animal Science, 2010, 88, 3464-3469.	0.2	4
99	Effect of milking interval on milk partitioning between udder compartments, milk yield and milk composition in Maghrebi dairy camels. Small Ruminant Research, 2016, 136, 214-220.	0.6	4
100	Responses to melatonin of 2 breeds of dairy ewes in early lactation under autumn photoperiod conditions. Journal of Dairy Science, 2022, 105, 2587-2596.	1.4	4
101	Determining the optimal age for recording the retinal vascular pattern image of lambs1. Journal of Animal Science, 2012, 90, 1040-1046.	0.2	3
102	Effects of shearing 2 breeds of dairy ewes during lactation under mild winter conditions. Journal of Dairy Science, 2019, 102, 1712-1724.	1.4	3
103	Effect of Soybean Oil Supplementation on Milk Production, Digestibility, and Metabolism in Dairy Goats under Thermoneutral and Heat Stress Conditions. Animals, 2021, 11, 350.	1.0	3
104	Lactational effects of adding a fibrolytic enzyme complex to the concentrate of lactating dairy goats. Journal of Animal and Feed Sciences, 2008, 17, 344-351.	0.4	3
105	Suppression of prolactin and reduction of milk secretion by effect of cabergoline in lactating dairy ewes. Journal of Dairy Science, 2020, 103, 12033-12044.	1.4	3
106	THE EFFECT OF FEEDING DATE PALM BY-PRODUCTS ON EWES AND LAMB INTAKE AND PERFORMANCES. Acta Horticulturae, 2010, , 659-663.	0.1	2
107	Implementing electronic identification for performance recording in sheep: II. Cost-benefit analysis in meat and dairy farms. Journal of Dairy Science, 2014, 97, 7515-7524.	1.4	2
108	Inhibition of ruminal deamination in vitro by formaldehyde treatment of sunflower-seed, soya bean and fish meals: Response curves to protective treatment. Animal Feed Science and Technology, 1977, 2, 267-275.	1.1	1

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109	How to Create Conditioned Taste Aversion for Grazing Ground Covers in Woody Crops with Small Ruminants. Journal of Visualized Experiments, 2016, , .	0.2	1
110	<i>In vivo</i> digestibility and <i>in vitro</i> gas production of diets supplemented with fibrolytic enzymes in dairy goats. Journal of Animal and Feed Sciences, 2008, 17, 530-537.	0.4	1
111	048 Milk composition and synthesis in dairy goats and sheep. Journal of Animal Science, 2016, 94, 22-22.	0.2	0
112	Environmental temperature changes as stress stimulus. , 2016, , .		0
113	Using long-term averted goats for selective grazing in olive groves. Animal, 2017, 11, 1832-1838.	1.3	0
114	Monitoring and Registering of Rumen Movement in Ruminants. Proceedings (mdpi), 2017, 1, .	0.2	0
115	A novel in vivo 433ÂMHz radio channel indoor study targeting on power saving for ruminal health monitoring boluses. Computers and Electronics in Agriculture, 2021, 190, 106419.	3.7	0