

Saulo da Luz e Silva

List of Publications by Year in descending order

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Version: 2024-02-01

118
papers

1,779
citations

331538

21
h-index

345118

36
g-index

121
all docs

121
docs citations

121
times ranked

1837
citing authors

#	ARTICLE	IF	CITATIONS
1	Feeding strategies impact animal growth and beef color and tenderness. <i>Meat Science</i> , 2022, 183, 108599.	2.7	11
2	Beef of Nellore cattle has limited tenderization despite pH decline in Longissimus lumborum. <i>Scientia Agricola</i> , 2022, 79, .	0.6	3
3	Proteome basis for the biological variations in color and tenderness of longissimus thoracis muscle from beef cattle differing in growth rate and feeding regime. <i>Food Research International</i> , 2022, 153, 110947.	2.9	12
4	The energy requirement for maintenance of Nellore crossbreds in tropical conditions during the finishing period. <i>Journal of Animal Science</i> , 2022, 100, .	0.2	1
5	Impact of Cattle Feeding Strategy on the Beef Metabolome. <i>Metabolites</i> , 2022, 12, 640.	1.3	5
6	Muscle fiber type, postmortem metabolism, and meat quality of Nellore cattle with different post-weaning growth potential. <i>Livestock Science</i> , 2021, 244, 104348.	0.6	7
7	Genetic parameters associated with meat quality of Nellore cattle at different anatomical points of longissimus: Brazilian standards. <i>Meat Science</i> , 2021, 171, 108281.	2.7	9
8	Muscle and liver metabolomic signatures associated with residual feed intake in Nellore cattle. <i>Animal Feed Science and Technology</i> , 2021, 271, 114757.	1.1	7
9	New Insights in Muscle Biology that Alter Meat Quality. <i>Annual Review of Animal Biosciences</i> , 2021, 9, 355-377.	3.6	55
10	Effect of Different Selection Criteria on Performance, Carcass and Meat Quality of Nellore Young Bulls. <i>Agriculture (Switzerland)</i> , 2021, 11, 294.	1.4	3
11	Metabolomic signature of genetic potential for muscularity in beef cattle. <i>Animal Biotechnology</i> , 2021, , 1-10.	0.7	0
12	Effects of canola oil and antioxidants on performance, serum parameters, carcass traits, and rumen fermentation patterns of Nellore cattle. <i>Animal</i> , 2021, 15, 100217.	1.3	2
13	Effects of the Duration of Zilpaterol Hydrochloride Supplementation and Days on Feed on Performance, Carcass Traits and Saleable Meat Yield of Nellore Bulls. <i>Animals</i> , 2021, 11, 2450.	1.0	0
14	Welfare traits of <i>Bos indicus</i> cattle castrated immunologically and fed beta-adrenergic agonists. <i>Animal Bioscience</i> , 2021, 34, 1552-1558.	0.8	0
15	Meat Quality of Nellore Young Bulls – Effects of Different Days on Feed and Zilpaterol Hydrochloride Supplementation. <i>Animals</i> , 2021, 11, 2688.	1.0	1
16	Using TD-NMR relaxometry and 1D 1H NMR spectroscopy to evaluate aging of Nellore beef. <i>Meat Science</i> , 2021, 181, 108606.	2.7	9
17	Effects of n-3 and n-6 feeding sources on the quality and lipid oxidation of meat from feedlot-finished <i>Bos indicus</i> steers. <i>Meat Science</i> , 2020, 161, 107966.	2.7	11
18	Performance, carcass traits and serum metabolomic profile of Nellore males with different genetic potential for post-weaning growth. <i>Animal</i> , 2020, 14, 873-880.	1.3	4

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19	Muscle from grass- and grain-fed cattle differs energetically. <i>Meat Science</i> , 2020, 161, 107996.	2.7	47
20	Impact of purified lignin on performance, rumen health, oxidative stress control and meat quality of lambs fed a high-concentrate diet. <i>Livestock Science</i> , 2020, 231, 103882.	0.6	6
21	Characterization of chicken muscle disorders through metabolomics, pathway analysis, and water relaxometry: a pilot study. <i>Poultry Science</i> , 2020, 99, 6247-6257.	1.5	14
22	Predicting the shear value and intramuscular fat in meat from Nellore cattle using Vis-NIR spectroscopy. <i>Meat Science</i> , 2020, 163, 108077.	2.7	11
23	Effects of a blend of essential oils and exogenous α -amylase in diets containing different roughage sources for finishing beef cattle. <i>Animal Feed Science and Technology</i> , 2020, 269, 114643.	1.1	13
24	Effect of Castor and Cashew Nut Shell Oils, Selenium and Vitamin E as Antioxidants on the Health and Meat Stability of Lambs Fed a High-Concentrate Diet. <i>Antioxidants</i> , 2020, 9, 1298.	2.2	8
25	Selection for Growth and Precocity Alters Muscle Metabolism in Nellore Cattle. <i>Metabolites</i> , 2020, 10, 58.	1.3	19
26	Metabolite profile and consumer sensory acceptability of meat from lean Nellore and Angus \times Nellore crossbred cattle fed soybean oil. <i>Food Research International</i> , 2020, 132, 109056.	2.9	20
27	Castration age and growth, meat production and meat quality of Nellore male cattle. <i>Animal Production Science</i> , 2020, 60, 725.	0.6	5
28	Performance, carcass traits, meat quality and composition of non-castrated Nellore and crossbred male cattle fed soybean oil. <i>Livestock Science</i> , 2020, 236, 104059.	0.6	8
29	Metabolites and Metabolic Pathways Correlated With Beef Tenderness. <i>Meat and Muscle Biology</i> , 2020, 4, .	0.7	17
30	Effects of combining immunocastration and β -adrenergic agonists on the blood metabolites and their correlations with performance and carcass traits of finished Nellore cattle. <i>Revista Brasileira De Zootecnia</i> , 2020, 49, .	0.3	2
31	Effect of <i>Macleaya cordata</i> and <i>Magnolia officinalis</i> plant extracts on oxidative stress control in lambs fed a high-concentrate diet. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 913-920.	2.4	7
32	Energy and protein requirements for Nellore steers estimated with the deuterium oxide marker. <i>Boletim De Indústrias Animal</i> , 2020, 77, .	0.2	0
33	Effects of immunocastration on the performance and meat quality traits of feedlot-finished <i>Bos indicus</i> (Nellore) cattle. <i>Animal Production Science</i> , 2019, 59, 183.	0.6	12
34	The genetic and genomic effects of Nellore lineages on feed efficiency, intake and performance. <i>Livestock Science</i> , 2019, 228, 104-108.	0.6	1
35	Muscle Energy Metabolism, Growth, and Meat Quality in Beef Cattle. <i>Agriculture (Switzerland)</i> , 2019, 9, 195.	1.4	35
36	Effects of combining immunocastration and β -adrenergic agonists on the meat quality of Nellore cattle. <i>Livestock Science</i> , 2019, 226, 13-20.	0.6	6

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37	Roughage-free finishing diet based on whole corn grain and a mixture of additives for Nellore heifers. <i>Revista Brasileira De Zootecnia</i> , 2019, 48, .	0.3	0
38	Impact of flint corn processing method and dietary starch concentration on finishing performance of Nellore bulls. <i>Animal Feed Science and Technology</i> , 2019, 251, 166-175.	1.1	6
39	PSXII-30 The combination of essential oils and exogenous amylases reduces fecal starch of feedlot finishing cattle fed different roughage sources. <i>Journal of Animal Science</i> , 2019, 97, 429-429.	0.2	0
40	386 Effect of essential oil and exogenous enzyme on feed intake, digestibility and rumen fermentation of finishing cattle fed different roughage sources. <i>Journal of Animal Science</i> , 2019, 97, 153-154.	0.2	0
41	Effects of partial replacement of soybean meal with other protein sources in diets of lactating cows. <i>Animal</i> , 2019, 13, 1403-1411.	1.3	8
42	Effect of replacing antibiotics with functional oils following an abrupt transition to high-concentrate diets on performance and carcass traits of Nellore cattle. <i>Animal Feed Science and Technology</i> , 2019, 247, 53-62.	1.1	6
43	Composition of weight gain in Nellore steers at different levels of feed intake. <i>Boletim De Indústria Animal</i> , 2019, 76, .	0.2	0
44	PSIV-B-28 Late-Breaking: Performance and carcass quality of Nelore bull's progenies with contrasting traits for precocity, growth and muscularity. <i>Journal of Animal Science</i> , 2019, 97, 319-321.	0.2	0
45	Phosphofructokinase and mitochondria partially explain the high ultimate pH of broiler pectoralis major muscle. <i>Poultry Science</i> , 2018, 97, 1808-1817.	1.5	12
46	Shear force analysis by core location in Longissimus steaks from Nellore cattle using hyperspectral images – A feasibility study. <i>Meat Science</i> , 2018, 143, 30-38.	2.7	14
47	The effect of grazing system intensification on the growth and meat quality of beef cattle in the Brazilian Atlantic Forest biome. <i>Meat Science</i> , 2018, 139, 157-161.	2.7	13
48	Proteome changes of beef in Nellore cattle with different genotypes for tenderness. <i>Meat Science</i> , 2018, 138, 1-9.	2.7	44
49	Effects of immunocastration and a β^2 -adrenergic agonist on retail cuts of feedlot finished Nellore cattle. <i>Animal</i> , 2018, 12, 1690-1695.	1.3	9
50	A bench-top hyperspectral imaging system to classify beef from Nellore cattle based on tenderness. <i>Infrared Physics and Technology</i> , 2018, 89, 247-254.	1.3	13
51	Mitochondrial F1-ATPase extends glycolysis and pH decline in an in vitro model. <i>Meat Science</i> , 2018, 137, 85-91.	2.7	30
52	The effects of partial substitution of soybean with urea or slow-release urea on finishing performance, meat quality, and digestion parameters of Nellore steers. <i>Animal Production Science</i> , 2018, 58, 2242.	0.6	7
53	Label-free quantitative proteomic analysis reveals muscle contraction and metabolism proteins linked to ultimate pH in bovine skeletal muscle. <i>Meat Science</i> , 2018, 145, 209-219.	2.7	38
54	Effects of immunocastration and β^2 -adrenergic agonists on the performance and carcass traits of feedlot finished Nellore cattle. <i>Animal</i> , 2017, 11, 2103-2110.	1.3	11

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55	Roughage levels impact on performance and carcass traits of finishing Nellore cattle fed whole corn grain diets. <i>Tropical Animal Health and Production</i> , 2017, 49, 1709-1713.	0.5	7
56	Divergent temperaments are associated with beef tenderness and the inhibitory activity of calpastatin. <i>Meat Science</i> , 2017, 134, 61-67.	2.7	21
57	Circulating leptin and its muscle gene expression in Nellore cattle with divergent feed efficiency. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 71.	2.1	32
58	111 Effect of oil source, cooking method, and storage time on lipid oxidation in ground beef patties from Nellore cattle. <i>Journal of Animal Science</i> , 2017, 95, 55-55.	0.2	0
59	531 Effects of dietary concentration of polyunsaturated fatty acids on the carcass traits of feedlot B. Indicus and cross-bred B. taurus x B. indicus cattle. <i>Journal of Animal Science</i> , 2017, 95, 260-260.	0.2	0
60	Time on feedlot and sexual effects on animal performance and characteristics of lamb's meat. <i>Acta Scientiarum - Animal Sciences</i> , 2017, 39, 103.	0.3	4
61	Use of calcareous algae and monensin in Nellore cattle subjected to an abrupt change in diet. <i>Ciencia Rural</i> , 2016, 46, 713-718.	0.3	0
62	Classifying of Nellore cattle beef on Normal and DFD applying a non conventional technique. <i>Infrared Physics and Technology</i> , 2016, 78, 195-199.	1.3	4
63	Copy number variations and genome-wide associations reveal putative genes and metabolic pathways involved with the feed conversion ratio in beef cattle. <i>Journal of Applied Genetics</i> , 2016, 57, 495-504.	1.0	78
64	Infrared thermography as a tool to evaluate body surface temperature and its relationship with feed efficiency in <i>Bos indicus</i> cattle in tropical conditions. <i>International Journal of Biometeorology</i> , 2016, 60, 173-181.	1.3	57
65	Desempenho e características da carcaça de cordeiros alimentados com dietas contendo grãos de diferentes de cereais. <i>Boletim De Indústria Animal</i> , 2016, 73, 134-142.	0.2	3
66	Performance, Carcass Traits and Meat Quality of Crossbred Lambs Fed Whole Cottonseed Levels. <i>Italian Journal of Animal Science</i> , 2015, 14, 3685.	0.8	2
67	Effect of flint corn processing method and roughage level on finishing performance of Nellore-based cattle. <i>Journal of Animal Science</i> , 2015, 93, 4023-4033.	0.2	20
68	Liver transcriptomic networks reveal main biological processes associated with feed efficiency in beef cattle. <i>BMC Genomics</i> , 2015, 16, 1073.	1.2	161
69	Visual body-scores selection and its influence on body size and ultrasound carcass traits in Nellore cattle. <i>Journal of Animal Science</i> , 2015, 93, 5597-5606.	0.2	19
70	A genomewide association mapping study using ultrasound-scanned information identifies potential genomic regions and candidate genes affecting carcass traits in Nellore cattle. <i>Journal of Animal Breeding and Genetics</i> , 2015, 132, 420-427.	0.8	34
71	Processamento do milho grão sobre desempenho e sa de ruminal de cordeiro. <i>Ciencia Rural</i> , 2015, 45, 1292-1298.	0.3	5
72	Predicting pork quality using Vis/NIR spectroscopy. <i>Meat Science</i> , 2015, 108, 37-43.	2.7	70

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73	Effect of high oil corn in the diets of Nelore steers on growth performance, carcass characteristics, meat quality, and longissimus muscle fatty acid profile. <i>Livestock Science</i> , 2015, 174, 31-38.	0.6	7
74	Effects of processing corn on the carcass traits and meat quality of feedlot lambs. <i>Tropical Animal Health and Production</i> , 2015, 47, 883-887.	0.5	6
75	Suplemento mineral ani�nico para vacas no periparto: par�metros sangu�neos, urin�rios e incid�ncia de patologias de import�ncia na bovinocultura leiteira. <i>Pesquisa Veterin�ria Brasileira</i> , 2014, 34, 337-342.	0.5	3
76	Correlations of visual scores, carcass traits, feed efficiency and retail product yield in Nelore cattle. <i>Scientia Agricola</i> , 2014, 71, 17-22.	0.6	7
77	Effects of supplementation with two sources and two levels of copper on meat lipid oxidation, meat colour and superoxide dismutase and glutathione peroxidase enzyme activities in Nelore beef cattle. <i>British Journal of Nutrition</i> , 2014, 112, 1266-1273.	1.2	6
78	Caracter�sticas de carca�sa e qualidade de carne em linhagens da ra�sa Nelore. <i>Ciencia Rural</i> , 2014, 44, 1860-1866.	0.3	7
79	Genome-wide association study for feedlot average daily gain in Nelore cattle (<i>Bos indicus</i>). <i>Journal of Animal Breeding and Genetics</i> , 2014, 131, 210-216.	0.8	24
80	Genome-wide association analysis of feed intake and residual feed intake in Nelore cattle. <i>BMC Genetics</i> , 2014, 15, 21.	2.7	78
81	Genetic parameter estimates for feed efficiency and dry matter intake and their association with growth and carcass traits in Nelore cattle. <i>Livestock Science</i> , 2014, 167, 80-85.	0.6	33
82	Single nucleotide polymorphisms in genes linked to ion transport and regulation of appetite and their associations with weight gain, feed efficiency and intake of Nelore cattle. <i>Livestock Science</i> , 2014, 165, 33-36.	0.6	2
83	Bovine NR1I3 gene polymorphisms and its association with feed efficiency traits in Nelore cattle. <i>Meta Gene</i> , 2014, 2, 206-217.	0.3	17
84	Caracter�sticas end�crinas, metab�licas e indicadoras da qualidade da carne em bovinos Nelore castrados e n�o castrados. <i>Ciencia Rural</i> , 2014, 44, 904-910.	0.3	2
85	An�lise economica do sistema de produ��o de bovinos de corte. <i>Boletim De Ind�stria Animal</i> , 2014, 71, 47-57.	0.2	2
86	Aplicabilidade da simula��o t�cnico-econ�mico na bovinocultura de corte de Mato Grosso do Sul. <i>Archivos De Zootecnia</i> , 2014, 63, 191-198.	0.2	0
87	Protein synthesis and degradation gene SNPs related to feed intake, feed efficiency, growth, and ultrasound carcass traits in Nelore cattle. <i>Genetics and Molecular Research</i> , 2013, 12, 2923-2936.	0.3	26
88	Efeito do tratamento da �gua por campo magn�tico sobre os par�metros s�ricos e espessura de gordura subcut�nea. <i>Boletim De Ind�stria Animal</i> , 2013, 70, 158-166.	0.2	1
89	Feedlot performance, feed efficiency re-ranking, carcass traits, body composition, energy requirements, meat quality and calpain system activity in Nelore steers with low and high residual feed intake. <i>Livestock Science</i> , 2012, 150, 265-273.	0.6	78
90	Association of single nucleotide polymorphisms in the bovine leptin and leptin receptor genes with growth and ultrasound carcass traits in Nelore cattle. <i>Genetics and Molecular Research</i> , 2012, 11, 3721-3728.	0.3	16

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91	Lipid and selenium sources on fatty acid composition of intramuscular fat and muscle selenium concentration of Nellore steers. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 2357-2363.	0.3	19
92	Fatty acid composition of the longissimus dorsi muscle in crossbred steers fed different sources of fatty acids. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 1706-1712.	0.3	1
93	Prediction of retail beef yield, trim fat and proportion of high-valued cuts in Nellore cattle using ultrasound live measurements. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 2025-2031.	0.3	18
94	Desempenho e digestibilidade de novilhos zebuÃos confinados recebendo leveduras vivas e monensina. <i>Archivos De Zootecnia</i> , 2011, 60, 1077-1086.	0.2	5
95	NÃveis de concentrado e sais de cÃlcio de Ãcidos graxos para novilhos terminados em confinamento. <i>Ciencia Rural</i> , 2011, 41, 330-336.	0.3	1
96	Alternative body sites for heat stress measurement in milking cows under tropical conditions and their relationship to the thermal discomfort of the animals. <i>International Journal of Biometeorology</i> , 2010, 54, 647-652.	1.3	42
97	Repetibilidade da mensuraÃo de imagens das caracterÃsticas de carcaÃa obtidas por ultrassonografia em fÃmeas Nelore. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 752-757.	0.3	4
98	Assessment of DGAT1 and LEP gene polymorphisms in three Nelore (<i>Bos indicus</i>) lines selected for growth and their relationship with growth and carcass traits. <i>Journal of Animal Science</i> , 2010, 88, 435-441.	0.2	31
99	Carcass quality of feedlot finished steers fed yeast, monensin, and the association of both additives. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2009, 61, 648-654.	0.1	17
100	SubstituiÃo do milho pela polpa de citros em dietas com alta proporÃo de concentrado sobre a degradabilidade e cinÃtica ruminal. <i>Acta Scientiarum - Animal Sciences</i> , 2009, 31, .	0.3	1
101	Fatty acid composition of intramuscular fat from Nellore steers fed dry or high moisture corn and calcium salts of fatty acids. <i>Livestock Science</i> , 2009, 122, 290-295.	0.6	9
102	Digestibilidade aparente de dietas com nÃveis crescentes de concentrado em novilhos Brangus e Nelore. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2007, 59, 406-413.	0.1	8
103	Milho grÃo seco ou Ãmido com sais de cÃlcio de Ãcidos graxos para novilhos Nelore em confinamento. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 1426-1434.	0.3	18
104	ExigÃncias lÃquidas de proteÃna e energia para ganho de peso de novilhos Nelore alimentados com dietas contendo grÃo de milho Ãmido e gordura protegida. <i>Revista Brasileira De Zootecnia</i> , 2006, 35, 301-308.	0.3	3
105	AlterÃes nas caracterÃsticas de carcaÃa de tourinhos Nelore, avaliadas por ultra-som. <i>Revista Brasileira De Zootecnia</i> , 2006, 35, 607-612.	0.3	6
106	Fontes de lipÃdio e monensina sÃdica na fermentaÃo, cinÃtica e degradabilidade ruminal de bovinos. <i>Pesquisa Agropecuaria Brasileira</i> , 2006, 41, 117-124.	0.9	8
107	ExigÃncias lÃquidas de proteÃna e energia para ganho de peso de tourinhos Brangus e Nelore alimentados com dietas contendo diferentes proporÃes de concentrado. <i>Revista Brasileira De Zootecnia</i> , 2006, 35, 292-300.	0.3	10
108	SubstituiÃo do milho pela polpa de citros sobre a fermentaÃo ruminal e protozoÃrios ciliados. <i>Acta Scientiarum - Animal Sciences</i> , 2005, 27, 123.	0.3	0

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109	Fontes de lipídeos e monensina na alimentação de novilhos Nelore e sua relação com a população de protozoários ciliados do rúmen. Revista Brasileira De Zootecnia, 2005, 34, 1418-1423.	0.3	17
110	Days on feed and sex effects on live weight and carcass traits measured by ultrasound. Scientia Agricola, 2005, 62, 423-426.	0.6	2
111	Hanging the beef carcass by the forequarter to improve tenderness of the Longissimus dorsi and Biceps femoris muscles. Scientia Agricola, 2005, 62, 483-486.	0.6	4
112	Desempenho e características de carcaça de novilhos alimentados com dietas contendo diferentes fontes de lipídios. Revista Brasileira De Zootecnia, 2005, 34, 1651-1658.	0.3	33
113	Respostas fisiológicas e produtivas de vacas holandesas em lactação submetidas a diferentes ambientes. Revista Brasileira De Zootecnia, 2004, 33, 181-191.	0.3	36
114	Estimativa da gordura de cobertura ao abate, por ultra-som, em tourinhos Brangus e Nelore. Revista Brasileira De Zootecnia, 2004, 33, 511-517.	0.3	8
115	Utilização do bagaço de cana-de-açúcar em dietas com elevada proporção de concentrados para novilhos Nelore em confinamento. Revista Brasileira De Zootecnia, 2003, 32, 1786-1791.	0.3	22
116	Estimativa do peso e do rendimento de carcaça de tourinhos Brangus e Nelore, por medidas de ultra-sonografia. Revista Brasileira De Zootecnia, 2003, 32, 1227-1235.	0.3	12
117	Correlações entre características de carcaça avaliadas por ultra-som e pós-abate em novilhos Nelore, alimentados com altas proporções de concentrado. Revista Brasileira De Zootecnia, 2003, 32, 1236-1242.	0.3	17
118	Características da Carcaça e Qualidade da Carne de Tourinhos Alimentados com Dietas de Alta Energia. Revista Brasileira De Zootecnia, 2002, 31, 749-756.	0.3	10