

# Marcio de Souza Duarte

## List of Publications by Year in descending order

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Version: 2024-02-01

99  
papers

1,472  
citations

361413  
20  
h-index

377865  
34  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of vitamin A injection at birth on intramuscular fat development and meat quality in beef cattle. <i>Meat Science</i> , 2022, 184, 108676.	5.5	10
2	Can In-Line Iodine Value Predictions (NitFom™) Be Used for Early Classification of Pork Belly Firmness?. <i>Foods</i> , 2022, 11, 148.	4.3	4
3	Genome-enabled classification of stayability in Nellore cattle under a machine learning framework. <i>Livestock Science</i> , 2022, 260, 104935.	1.6	2
4	Impact of Maternal Feed Restriction at Different Stages of Gestation on the Proteomic Profile of the Newborn Skeletal Muscle. <i>Animals</i> , 2022, 12, 1011.	2.3	2
5	Effect of short-term dietary protein restriction before slaughter on meat quality and skeletal muscle metabolomic profile in culled ewes. <i>Livestock Science</i> , 2022, 261, 104956.	1.6	5
6	Effects of feeding ractopamine hydrochloride with or without supplemental betaine on live performance, carcass and meat quality traits, and gene expression of finishing pigs. <i>Meat Science</i> , 2022, 191, 108851.	5.5	4
7	Transcriptome profile in the skeletal muscle of cattle progeny as a function of maternal protein supplementation during mid-gestation. <i>Livestock Science</i> , 2022, 263, 104995.	1.6	7
8	Reference gene selection for quantitative PCR in liver, skeletal muscle, and jejunum of <i>Bos indicus</i> cattle. <i>Revista Brasileira De Zootecnia</i> , 2022, 51, .	0.8	6
9	Stayability and consecutive rebreeding ability associated to carcass and growth traits in Brazilian Nellore cattle: A Bayesian framework. <i>Livestock Science</i> , 2021, 245, 104416.	1.6	1
10	Skeletal Muscle Development in Postnatal Beef Cattle Resulting from Maternal Protein Restriction during Mid-Gestation. <i>Animals</i> , 2021, 11, 860.	2.3	22
11	The course of pregnancy changes general metabolism and affects ruminal epithelium activity pattern in Zebu beef heifers. <i>Livestock Science</i> , 2021, 248, 104496.	1.6	3
12	Proteomic Analysis of Liver from Finishing Beef Cattle Supplemented with a Rumen-Protected B-Vitamin Blend and Hydroxy Trace Minerals. <i>Animals</i> , 2021, 11, 1934.	2.3	0
13	Transcriptome changes in newborn goats' skeletal muscle as a result of maternal feed restriction at different stages of gestation. <i>Livestock Science</i> , 2021, 248, 104503.	1.6	3
14	Assessing the relationship between the rumen microbiota and feed efficiency in Nellore steers. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 79.	5.3	37
15	Intramuscular collagen characteristics and expression of related genes in skeletal muscle of cull cows receiving a high-energy diet. <i>Meat Science</i> , 2021, 177, 108495.	5.5	12
16	Efeito dos extratos de jabuticaba e pequi na expressão gênica de enzimas antioxidantes em células musculares C2C12 de camundongos. <i>Research, Society and Development</i> , 2021, 10, e375101018864.	0.1	2
17	Dietary nucleotide supplementation as an alternative to in-feed antibiotics in weaned piglets. <i>Animal</i> , 2021, 15, 100021.	3.3	15
18	PSXIII-5 Effects of B vitamins and hydroxy trace minerals supplementation on hepatic metabolism of beef cattle at finishing phase in pasture. <i>Journal of Animal Science</i> , 2021, 99, 463-464.	0.5	0

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19	162 Fetal Programming and Meat Quality. <i>Journal of Animal Science</i> , 2021, 99, 87-87.	0.5	1
20	Fetal programming in ruminant animals: understanding the skeletal muscle development to improve meat quality. <i>Animal Frontiers</i> , 2021, 11, 66-73.	1.7	21
21	L-Arginine Supplementation for Nulliparous Sows during the Last Third of Gestation. <i>Animals</i> , 2021, 11, 3476.	2.3	1
22	Effect of ractopamine and conjugated linoleic acid on performance of late finishing pigs. <i>Animal</i> , 2020, 14, 277-284.	3.3	2
23	Active vitamin D3-glycoside preserves weight gain and modulates the inflammatory response in broiler chickens challenged with lipopolysaccharide. <i>Animal Feed Science and Technology</i> , 2020, 270, 114704.	2.2	2
24	Impacts of protein supplementation during late gestation of beef cows on maternal skeletal muscle and liver tissues metabolism. <i>Animal</i> , 2020, 14, 1867-1875.	3.3	14
25	Proteomic analysis reveals changes in energy metabolism of skeletal muscle in beef cattle supplemented with vitamin A. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 3536-3543.	3.5	11
26	Effects of energy-protein supplementation frequency on performance of primiparous grazing beef cows during pre and postpartum. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 1430-1443.	2.4	10
27	Guanidinoacetic acid supplementation on growth performance and molecular mechanisms of lean mass gain in nursery pigs. <i>Ciencia Rural</i> , 2020, 50, .	0.5	4
28	PSVII-5 Effect of maternal feed restriction at different stages of gestation on development of gastrointestinal tract of newborn goats. <i>Journal of Animal Science</i> , 2020, 98, 164-165.	0.5	0
29	PSVII-8 miRNAs explain the variation in muscle and blood transcriptomes of beef calves born from dams with or without energy restriction during late gestation. <i>Journal of Animal Science</i> , 2020, 98, 165-165.	0.5	0
30	PSVII-9 Post transcriptional modifications may lead to changes in newborn goats' skeletal muscle proteome as a consequence of maternal feed restriction at different stages of gestation. <i>Journal of Animal Science</i> , 2020, 98, 167-168.	0.5	0
31	PSVII-2 Differentially expressed genes and their biological function in skeletal muscle of calves born from cows with or without protein supplementation during mid-gestation. <i>Journal of Animal Science</i> , 2020, 98, 165-166.	0.5	0
32	PSVII-10 Skeletal muscle transcriptome reveals gene expression differences in newborn goats' as a result of maternal feed restriction at different stages of gestation. <i>Journal of Animal Science</i> , 2020, 98, 167-167.	0.5	0
33	Dietary L-arginine supplementation increased mammary gland vascularity of lactating sows. <i>Animal</i> , 2019, 13, 790-798.	3.3	8
34	Effects of nutritional plans and genetic groups on performance, carcass and meat quality traits of finishing pigs. <i>Food Science and Technology</i> , 2019, 39, 538-545.	1.7	3
35	Differentially expressed mRNAs, proteins and miRNAs associated to energy metabolism in skeletal muscle of beef cattle identified for low and high residual feed intake. <i>BMC Genomics</i> , 2019, 20, 501.	2.8	22
36	The Bacterial and Fungal Microbiota of Nelore Steers Is Dynamic Across the Gastrointestinal Tract and Its Fecal-Associated Microbiota Is Correlated to Feed Efficiency. <i>Frontiers in Microbiology</i> , 2019, 10, 1263.	3.5	27

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37	Effect of maternal feed restriction in dairy goats at different stages of gestation on skeletal muscle development and energy metabolism of kids at the time of births. <i>Animal Reproduction Science</i> , 2019, 206, 46-59.	1.5	8
38	Explaining meat quality of bulls and steers by differential proteome and phosphoproteome analysis of skeletal muscle. <i>Journal of Proteomics</i> , 2019, 199, 51-66.	2.4	48
39	Genome-wide association studies pathway-based meta-analysis for residual feed intake in beef cattle. <i>Animal Genetics</i> , 2019, 50, 150-153.	1.7	30
40	Genome-wide association studies, meta-analyses and derived gene network for meat quality and carcass traits in pigs. <i>Animal Production Science</i> , 2018, 58, 1100.	1.3	12
41	Meta-analysis of genetic-parameter estimates for reproduction, growth and carcass traits in Nellore cattle by using a random-effects model. <i>Animal Production Science</i> , 2018, 58, 1575.	1.3	22
42	Foetal development of skeletal muscle in bovines as a function of maternal nutrition, foetal sex and gestational age. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2018, 102, 545-556.	2.2	17
43	Nellore bulls ( <i>Bos taurus indicus</i> ) with high residual feed intake have increased the expression of genes involved in oxidative phosphorylation in rumen epithelium. <i>Animal Feed Science and Technology</i> , 2018, 235, 77-86.	2.2	15
44	Impact of energy restriction during late gestation on the muscle and blood transcriptome of beef calves after preconditioning. <i>BMC Genomics</i> , 2018, 19, 702.	2.8	20
45	Research Article Expression of lipid metabolism and myosin heavy chain genes in pigs is affected by genotype and dietary lysine. <i>Genetics and Molecular Research</i> , 2018, 17, .	0.2	3
46	Effects of grain processing methods on the expression of genes involved in volatile fatty acid transport and pH regulation, and keratinization in rumen epithelium of beef cattle. <i>PLoS ONE</i> , 2018, 13, e0198963.	2.5	11
47	Supplementation of grazing beef cows during gestation as a strategy to improve skeletal muscle development of the offspring. <i>Animal</i> , 2017, 11, 2184-2192.	3.3	17
48	Technical Note: A comparison among adipogenic induction protocols for dedifferentiated fat (DFAT) cells obtained from subcutaneous fat of pigs. <i>Livestock Science</i> , 2017, 199, 57-62.	1.6	1
49	Weight, body condition, milk production, and metabolism of Nellore cows when their calves are submitted to different supplementation levels. <i>Tropical Animal Health and Production</i> , 2017, 49, 383-387.	1.4	5
50	Performance strategies affect mammary gland development in prepubertal heifers. <i>Journal of Dairy Science</i> , 2017, 100, 8033-8042.	3.4	5
51	Morphological and molecular differences in corpus luteum of pregnant sows from divergent genetic groups. <i>Theriogenology</i> , 2017, 104, 105-114.	2.1	5
52	Differences in skeletal muscle proteolysis in Nellore and Angus cattle might be driven by Calpastatin activity and not the abundance of Calpain/Calpastatin. <i>Journal of Agricultural Science</i> , 2017, 155, 1669-1676.	1.3	5
53	Intestinal development of bovine foetuses during gestation is affected by foetal sex and maternal nutrition. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2017, 101, 493-501.	2.2	7
54	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Dedifferentiated fat cells: Potential and perspectives for their use in clinical and animal science purpose1. <i>Journal of Animal Science</i> , 2017, 95, 2255-2260.	0.5	2

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55	585 Expression of genes involved in energy metabolism and transport of volatile fatty acids and urea in rumen epithelium of bulls identified for high, medium, and low residual Feed intake. <i>Journal of Animal Science</i> , 2017, 95, 286-287.	0.5	0
56	Chromium, CLA, and ractopamine for finishing pigs1. <i>Journal of Animal Science</i> , 2017, 95, 4472-4480.	0.5	14
57	328 Effect of maternal nutrition and sex on skeletal muscle gene expression in Angus cattle during immune challenge. <i>Journal of Animal Science</i> , 2017, 95, 162-163.	0.5	0
58	586 Grain processing effects on expression of genes involved in volatile fatty acid transport in rumen epithelium of beef cattle. <i>Journal of Animal Science</i> , 2017, 95, 287-287.	0.5	0
59	The optimal number of partial least squares components in genomic selection for pork pH. <i>Ciencia Rural</i> , 2017, 47, .	0.5	2
60	152 Effects of frequency of supplementation during peri and postpartum of grazing primiparous Nellore cows. <i>Journal of Animal Science</i> , 2017, 95, 74-75.	0.5	0
61	Chromium, CLA, and ractopamine for finishing pigs. <i>Journal of Animal Science</i> , 2017, .	0.5	2
62	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Dedifferentiated fat cells: Potential and perspectives for their use in clinical and animal science purpose. <i>Journal of Animal Science</i> , 2017, 95, 2255.	0.5	4
63	Expression of genes related to the regulation of muscle protein turnover in Angus and Nellore bulls1. <i>Journal of Animal Science</i> , 2016, 94, 1472-1481.	0.5	3
64	0789 Dedifferentiated fat cells: Potential involvement in intramuscular adipogenesis. <i>Journal of Animal Science</i> , 2016, 94, 379-380.	0.5	0
65	Review: Animal model and the current understanding of molecule dynamics of adipogenesis. <i>Animal</i> , 2016, 10, 927-932.	3.3	25
66	Effects of nutrient intake level on mammary parenchyma growth and gene expression in crossbred (Holstein × Gyr) prepubertal heifers. <i>Journal of Dairy Science</i> , 2016, 99, 9962-9973.	3.4	17
67	Effect of feeding strategies on weaning weight and milk production of Holstein × Zebu calves in dual purpose milk production systems. <i>Tropical Animal Health and Production</i> , 2015, 47, 1095-1100.	1.4	5
68	Achieving Body Weight Adjustments for Feeding Status and Pregnant or Non-Pregnant Condition in Beef Cows. <i>PLoS ONE</i> , 2015, 10, e0112111.	2.5	20
69	Identification of Suitable Reference Genes for Real Time Quantitative Polymerase Chain Reaction Assays on Pectoralis major Muscle in Chicken ( <i>Gallus gallus</i> ). <i>PLoS ONE</i> , 2015, 10, e0127935.	2.5	39
70	Molecular Factors Underlying the Deposition of Intramuscular Fat and Collagen in Skeletal Muscle of Nellore and Angus Cattle. <i>PLoS ONE</i> , 2015, 10, e0139943.	2.5	52
71	Utilization of castor bean meal treated with calcium hydroxide, fed wet or dry, by lambs. <i>Livestock Science</i> , 2014, 168, 76-83.	1.6	14
72	Maternal overnutrition enhances mRNA expression of adipogenic markers and collagen deposition in skeletal muscle of beef cattle fetuses1. <i>Journal of Animal Science</i> , 2014, 92, 3846-3854.	0.5	36

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73	Soybean meal replaced by slow release urea in finishing diets for beef cattle. <i>Livestock Science</i> , 2014, 165, 51-60.	1.6	30
74	Carcass characteristics of feedlot lambs fed crude glycerin contaminated with high concentrations of crude fat. <i>Meat Science</i> , 2014, 96, 108-113.	5.5	54
75	Adipose Cell Precursors: Stem Cells in Medicine, Tissue Engineering, and Reconstructive Surgery. , 2014, , 19-22.		1
76	Treatment of long-term stored DNA—Comparison between different methods to obtain high-quality material. <i>Electrophoresis</i> , 2013, 34, 3039-3045.	2.4	0
77	Effects of maternal nutrition on development of gastrointestinal tract of bovine fetus at different stages of gestation. <i>Livestock Science</i> , 2013, 153, 60-65.	1.6	30
78	Effects of pregnancy and feeding level on carcass and meat quality traits of Nellore cows. <i>Meat Science</i> , 2013, 94, 139-144.	5.5	9
79	Effects of <i>Saccharomyces cerevisiae</i> and monensin on digestion, ruminal parameters, and balance of nitrogenous compounds of beef cattle fed diets with different starch concentrations. <i>Tropical Animal Health and Production</i> , 2013, 45, 1251-1257.	1.4	17
80	Meat quality of young Nellore bulls with low and high residual feed intake. <i>Meat Science</i> , 2013, 93, 593-599.	5.5	43
81	Bovine dedifferentiated adipose tissue (DFAT) cells. <i>Adipocyte</i> , 2013, 2, 148-159.	2.8	19
82	MEAT SCIENCE AND MUSCLE BIOLOGY SYMPOSIUM: Manipulating mesenchymal progenitor cell differentiation to optimize performance and carcass value of beef cattle <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2013, 91, 1419-1427.	0.5	172
83	Cell Supermarket: Adipose Tissue as a Source of Stem Cells. <i>Journal of Genomics</i> , 2013, 1, 39-44.	0.9	21
84	Cellular and Molecular Implications of Mature Adipocyte Dedifferentiation. <i>Journal of Genomics</i> , 2013, 1, 5-12.	0.9	27
85	Enhancement of adipogenesis and fibrogenesis in skeletal muscle of Wagyu compared with Angus cattle. <i>Journal of Animal Science</i> , 2013, 91, 2938-2946.	0.5	69
86	Like pigs, and unlike other breeds of cattle examined, mature Angus-derived adipocytes may extrude lipid prior to proliferation in vitro. <i>Adipocyte</i> , 2012, 1, 237-241.	2.8	6
87	Strategies of supplementation of female suckling calves and nutrition parameters of beef cows on tropical pasture. <i>Tropical Animal Health and Production</i> , 2012, 44, 1803-1811.	1.4	12
88	Influence of genetic type and level of concentrate in the finishing diet on carcass and meat quality traits in beef heifers. <i>Meat Science</i> , 2012, 90, 770-774.	5.5	43
89	SP-index: The measure of the scientific production of researchers. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 701-702.	2.1	6
90	AMP-activated protein kinase stimulates myostatin expression in C2C12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 36-40.	2.1	30

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91	Bovine mature adipocytes readily return to a proliferative state. <i>Tissue and Cell</i> , 2012, 44, 385-390.	2.2	9
92	Intake, digestibility, performance, and carcass traits of beef cattle of different gender. <i>Tropical Animal Health and Production</i> , 2012, 44, 361-367.	1.4	11
93	Influence of dental carcass maturity on carcass traits and meat quality of Nellore bulls. <i>Meat Science</i> , 2011, 88, 441-446.	5.5	41
94	Pattern of tissue deposition, gain and body composition of Nellore, F1 Simmental × Nellore and F1 Angus × Nellore steers fed at maintenance or ad libitum with two levels of concentrate in the diet. <i>Revista Brasileira De Zootecnia</i> , 2011, 40, 2886-2893.	0.8	10
95	Carcass traits of Nellore, F1 Simmental × Nellore and F1 Angus × Nellore steers fed at maintenance or ad libitum with two concentrate levels in the diet. <i>Revista Brasileira De Zootecnia</i> , 2011, 40, 2938-2946.	0.8	8
96	Beef quality traits of Nellore, F1 Simmental × Nellore and F1 Angus × Nellore steers fed at the maintenance level or ad libitum with two concentrate levels in the diet. <i>Revista Brasileira De Zootecnia</i> , 2011, 40, 2894-2902.	0.8	4
97	Influence of condensed tannin on intake, digestibility, and efficiency of protein utilization in beef steers fed high concentrate diet. <i>Livestock Science</i> , 2011, 141, 1-11.	1.6	57
98	Performance and meat quality traits of beef heifers fed with two levels of concentrate and ruminally undegradable protein. <i>Tropical Animal Health and Production</i> , 2011, 43, 877-886.	1.4	13
99	Desempenho de novilhas leiteiras sob manejo para crescimento compensatório recebendo suplementação com ionôforos. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 461-470.	0.8	3