

# 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

361045

20  
h-index

377514

34  
g-index

99  
all docs

99  
docs citations

99  
times ranked

1657  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.2	172
2	Enhancement of adipogenesis and fibrogenesis in skeletal muscle of Wagyu compared with Angus cattle. <i>Journal of Animal Science</i> , 2013, 91, 2938-2946.	0.2	69
3	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.	0.6	57
4	Carcass characteristics of feedlot lambs fed crude glycerin contaminated with high concentrations of crude fat. <i>Meat Science</i> , 2014, 96, 108-113.	2.7	54
5	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.	1.1	52
6	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.	1.2	48
7	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.	2.7	43
8	Meat quality of young Nellore bulls with low and high residual feed intake. <i>Meat Science</i> , 2013, 93, 593-599.	2.7	43
9	Influence of dental carcass maturity on carcass traits and meat quality of Nellore bulls. <i>Meat Science</i> , 2011, 88, 441-446.	2.7	41
10	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.	1.1	39
11	Assessing the relationship between the rumen microbiota and feed efficiency in Nellore steers. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 79.	2.1	37
12	Maternal overnutrition enhances mRNA expression of adipogenic markers and collagen deposition in skeletal muscle of beef cattle fetuses <sup>1</sup> . <i>Journal of Animal Science</i> , 2014, 92, 3846-3854.	0.2	36
13	AMP-activated protein kinase stimulates myostatin expression in C2C12 cells. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 36-40.	1.0	30
14	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.	0.6	30
15	Soybean meal replaced by slow release urea in finishing diets for beef cattle. <i>Livestock Science</i> , 2014, 165, 51-60.	0.6	30
16	Genome-wide association studies pathway-based meta-analysis for residual feed intake in beef cattle. <i>Animal Genetics</i> , 2019, 50, 150-153.	0.6	30
17	Cellular and Molecular Implications of Mature Adipocyte Dedifferentiation. <i>Journal of Genomics</i> , 2013, 1, 5-12.	0.6	27
18	The Bacterial and Fungal Microbiota of Nellore 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.	1.5	27

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19	Review: Animal model and the current understanding of molecule dynamics of adipogenesis. <i>Animal</i> , 2016, 10, 927-932.	1.3	25
20	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.	0.6	22
21	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.	1.2	22
22	Skeletal Muscle Development in Postnatal Beef Cattle Resulting from Maternal Protein Restriction during Mid-Gestation. <i>Animals</i> , 2021, 11, 860.	1.0	22
23	Cell Supermarket: Adipose Tissue as a Source of Stem Cells. <i>Journal of Genomics</i> , 2013, 1, 39-44.	0.6	21
24	Fetal programming in ruminant animals: understanding the skeletal muscle development to improve meat quality. <i>Animal Frontiers</i> , 2021, 11, 66-73.	0.8	21
25	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.	1.2	20
26	Achieving Body Weight Adjustments for Feeding Status and Pregnant or Non-Pregnant Condition in Beef Cows. <i>PLoS ONE</i> , 2015, 10, e0112111.	1.1	20
27	Bovine dedifferentiated adipose tissue (DFAT) cells. <i>Adipocyte</i> , 2013, 2, 148-159.	1.3	19
28	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.	0.5	17
29	Effects of nutrient intake level on mammary parenchyma growth and gene expression in crossbred (Holstein $\times$ Gyr) prepubertal heifers. <i>Journal of Dairy Science</i> , 2016, 99, 9962-9973.	1.4	17
30	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.	1.3	17
31	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.	1.0	17
32	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.	1.1	15
33	Dietary nucleotide supplementation as an alternative to in-feed antibiotics in weaned piglets. <i>Animal</i> , 2021, 15, 100021.	1.3	15
34	Utilization of castor bean meal treated with calcium hydroxide, fed wet or dry, by lambs. <i>Livestock Science</i> , 2014, 168, 76-83.	0.6	14
35	Chromium, CLA, and ractopamine for finishing pigs <sup>1</sup> . <i>Journal of Animal Science</i> , 2017, 95, 4472-4480.	0.2	14
36	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.	1.3	14

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37	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.	0.5	13
38	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.	0.5	12
39	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.	0.6	12
40	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.	2.7	12
41	Intake, digestibility, performance, and carcass traits of beef cattle of different gender. <i>Tropical Animal Health and Production</i> , 2012, 44, 361-367.	0.5	11
42	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.	1.1	11
43	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.	1.7	11
44	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.	0.3	10
45	Effect of vitamin A injection at birth on intramuscular fat development and meat quality in beef cattle. <i>Meat Science</i> , 2022, 184, 108676.	2.7	10
46	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
47	Bovine mature adipocytes readily return to a proliferative state. <i>Tissue and Cell</i> , 2012, 44, 385-390.	1.0	9
48	Effects of pregnancy and feeding level on carcass and meat quality traits of Nellore cows. <i>Meat Science</i> , 2013, 94, 139-144.	2.7	9
49	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.	0.3	8
50	Dietary L-arginine supplementation increased mammary gland vascularity of lactating sows. <i>Animal</i> , 2019, 13, 790-798.	1.3	8
51	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.	0.5	8
52	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.	1.0	7
53	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.	0.6	7
54	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.	1.3	6

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55	SP-index: The measure of the scientific production of researchers. <i>Biochemical and Biophysical Research Communications</i> , 2012, 425, 701-702.	1.0	6
56	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, .	0.3	6
57	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.	0.5	5
58	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.	0.5	5
59	Performance strategies affect mammary gland development in prepubertal heifers. <i>Journal of Dairy Science</i> , 2017, 100, 8033-8042.	1.4	5
60	Morphological and molecular differences in corpus luteum of pregnant sows from divergent genetic groups. <i>Theriogenology</i> , 2017, 104, 105-114.	0.9	5
61	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.	0.6	5
62	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.	0.6	5
63	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.	0.3	4
64	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.	0.2	4
65	Guanidinoacetic acid supplementation on growth performance and molecular mechanisms of lean mass gain in nursery pigs. <i>Ciencia Rural</i> , 2020, 50, .	0.3	4
66	Can In-Line Iodine Value Predictions (NitFom™) Be Used for Early Classification of Pork Belly Firmness?. <i>Foods</i> , 2022, 11, 148.	1.9	4
67	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.	2.7	4
68	Expression of genes related to the regulation of muscle protein turnover in Angus and Nellore bulls. <i>Journal of Animal Science</i> , 2016, 94, 1472-1481.	0.2	3
69	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, .	0.3	3
70	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.	0.8	3
71	The course of pregnancy changes general metabolism and affects ruminal epithelium activity pattern in Zebu beef heifers. <i>Livestock Science</i> , 2021, 248, 104496.	0.6	3
72	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.	0.6	3

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73	Desempenho de novilhas leiteiras sob manejo para crescimento compensatório recebendo suplementação com iônico. Revista Brasileira De Zootecnia, 2007, 36, 461-470.	0.3	3
74	TRIENNIAL GROWTH AND DEVELOPMENT SYMPOSIUM: Dedifferentiated fat cells: Potential and perspectives for their use in clinical and animal science purpose1. Journal of Animal Science, 2017, 95, 2255-2260.	0.2	2
75	The optimal number of partial least squares components in genomic selection for pork pH. Ciencia Rural, 2017, 47, .	0.3	2
76	Effect of ractopamine and conjugated linoleic acid on performance of late finishing pigs. Animal, 2020, 14, 277-284.	1.3	2
77	Active vitamin D3-glycoside preserves weight gain and modulates the inflammatory response in broiler chickens challenged with lipopolysaccharide. Animal Feed Science and Technology, 2020, 270, 114704.	1.1	2
78	Efeito dos extratos de jabuticaba e pequi na expressão gênica de enzimas antioxidantes em células musculares C2C12 de camundongos. Research, Society and Development, 2021, 10, e375101018864.	0.0	2
79	Chromium, CLA, and ractopamine for finishing pigs. Journal of Animal Science, 2017, .	0.2	2
80	Genome-enabled classification of stayability in Nelore cattle under a machine learning framework. Livestock Science, 2022, 260, 104935.	0.6	2
81	Impact of Maternal Feed Restriction at Different Stages of Gestation on the Proteomic Profile of the Newborn Skeletal Muscle. Animals, 2022, 12, 1011.	1.0	2
82	Technical Note: A comparison among adipogenic induction protocols for dedifferentiated fat (DFAT) cells obtained from subcutaneous fat of pigs. Livestock Science, 2017, 199, 57-62.	0.6	1
83	Stayability and consecutive rebreeding ability associated to carcass and growth traits in Brazilian Nelore cattle: A Bayesian framework. Livestock Science, 2021, 245, 104416.	0.6	1
84	162 Fetal Programming and Meat Quality. Journal of Animal Science, 2021, 99, 87-87.	0.2	1
85	Adipose Cell Precursors: Stem Cells in Medicine, Tissue Engineering, and Reconstructive Surgery. , 2014, , 19-22.		1
86	L-Arginine Supplementation for Nulliparous Sows during the Last Third of Gestation. Animals, 2021, 11, 3476.	1.0	1
87	Treatment of long-term stored DNA—Comparison between different methods to obtain high-quality material. Electrophoresis, 2013, 34, 3039-3045.	1.3	0
88	0789 Dedifferentiated fat cells: Potential involvement in intramuscular adipogenesis. Journal of Animal Science, 2016, 94, 379-380.	0.2	0
89	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. Journal of Animal Science, 2017, 95, 286-287.	0.2	0
90	328 Effect of maternal nutrition and sex on skeletal muscle gene expression in Angus cattle during immune challenge. Journal of Animal Science, 2017, 95, 162-163.	0.2	0

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91	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.	0.2	0
92	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.	0.2	0
93	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.	1.0	0
94	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.	0.2	0
95	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.	0.2	0
96	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.	0.2	0
97	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.	0.2	0
98	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.	0.2	0
99	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.	0.2	0