

# Mario L Chizzotti

## List of Publications by Year in descending order

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120  
papers

2,119  
citations

218677

26  
h-index

289244

40  
g-index

122  
all docs

122  
docs citations

122  
times ranked

1825  
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of creatinine excretion and evaluation of spot urine sampling in Holstein cattle. <i>Livestock Science</i> , 2008, 113, 218-225.	1.6	231
2	Differences in Beef Quality between Angus ( <i>Bos taurus taurus</i> ) and Nellore ( <i>Bos taurus indicus</i> ) Cattle through a Proteomic and Phosphoproteomic Approach. <i>PLoS ONE</i> , 2017, 12, e0170294.	2.5	75
3	Estimating body weight, body condition score, and type traits in dairy cows using three dimensional cameras and manual body measurements. <i>Livestock Science</i> , 2020, 236, 104054.	1.6	70
4	A meta-analysis of energy and protein requirements for maintenance and growth of Nellore cattle1. <i>Journal of Animal Science</i> , 2008, 86, 1588-1597.	0.5	66
5	Technical note: Validation of a system for monitoring individual feeding behavior and individual feed intake in dairy cattle. <i>Journal of Dairy Science</i> , 2015, 98, 3438-3442.	3.4	66
6	Technical note: Estimating body weight and body composition of beef cattle through digital image analysis1. <i>Journal of Animal Science</i> , 2016, 94, 5414-5422.	0.5	60
7	Water and small ruminant production. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 326-336.	0.8	58
8	Fatty acid profile, color and lipid oxidation of meat from young bulls fed ground soybean or rumen protected fat with or without monensin. <i>Meat Science</i> , 2014, 96, 597-605.	5.5	58
9	Energy and protein requirements for growth and maintenance of F1 Nellore × Red Angus bulls, steers, and heifers1. <i>Journal of Animal Science</i> , 2007, 85, 1971-1981.	0.5	57
10	Produção de proteína microbiana e estimativas das excreções de derivados de purinas e de uréia em vacas lactantes alimentadas com rações isoprotéicas contendo diferentes níveis de compostos nitrogenados não-protéicos. <i>Revista Brasileira De Zootecnia</i> , 2001, 30, 1621-1629.	0.8	56
11	Fatty acid profile and qualitative characteristics of meat from zebu steers fed with different oilseeds1. <i>Journal of Animal Science</i> , 2011, 89, 2546-2555.	0.5	56
12	Creatinine excretion and relationship with body weight of Nellore cattle. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 807-810.	0.8	54
13	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
14	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
15	Consumo, digestibilidade e excreção de uréia e derivados de purinas em novilhas de diferentes pesos. <i>Revista Brasileira De Zootecnia</i> , 2006, 35, 1813-1821.	0.8	44
16	Nutrient Requirements of Zebu and Crossbred Cattle - BR-CORTE. , 2016, , .		43
17	Meat quality and fatty acid profile of Brazilian goats subjected to different nutritional treatments. <i>Meat Science</i> , 2014, 97, 602-608.	5.5	41
18	Consumo, digestibilidade e excreção de uréia e derivados de purinas em vacas de diferentes níveis de produção de leite. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 138-146.	0.8	39

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19	Subspecies and diet affect the expression of genes involved in lipid metabolism and chemical composition of muscle in beef cattle. <i>Meat Science</i> , 2017, 133, 110-118.	5.5	38
20	Exigências Nutricionais de Zebuãnos Puros e Cruzados - BR-CORTE. , 2016, , .		34
21	Prediction of the energy value of cattle diets based on the chemical composition of the feeds under tropical conditions. <i>Animal Feed Science and Technology</i> , 2008, 143, 127-147.	2.2	30
22	Qualitative characteristics of meat from young bulls fed different levels of crude glycerin. <i>Meat Science</i> , 2014, 96, 977-983.	5.5	30
23	Validation of a system for monitoring individual feeding and drinking behaviour and intake in young cattle. <i>Animal</i> , 2018, 12, 634-639.	3.3	30
24	Reparametrizaãõ do modelo baseado na lei de superfãcie para prediãõ da fraãõ digestãvel da fibra em detergente neutro em condiãões brasileiras. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 155-164.	0.8	29
25	Expression of genes involved in lipid metabolism in the muscle of beef cattle fed soybean or rumen-protected fat, with or without monensin supplementation1. <i>Journal of Animal Science</i> , 2014, 92, 5426-5436.	0.5	29
26	Prediction of physical and chemical body compositions of purebred and crossbred Nelore cattle using the composition of a rib section1. <i>Journal of Animal Science</i> , 2012, 90, 1280-1290.	0.5	28
27	Caracterãsticas de carcaãsa e cortes comerciais de tourinhos Red Norte e Nelore terminados em confinamento. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 970-977.	0.8	28
28	Estimaãõ da digestibilidade dos carboidratos não-fibrosos em bovinos utilizando-se o conceito de entidade nutricional em condiãões brasileiras. <i>Revista Brasileira De Zootecnia</i> , 2006, 35, 1479-1486.	0.8	27
29	Effect of Licuri cake supplementation on performance, digestibility, ingestive behavior, carcass traits and meat quality of grazing lambs. <i>Small Ruminant Research</i> , 2019, 177, 18-24.	1.2	24
30	Carcass and meat quality traits of Nelore young bulls and steers throughout fattening. <i>Livestock Science</i> , 2019, 229, 28-36.	1.6	22
31	Intake, physiological parameters and behavior of Angus and Nelore bulls subjected to heat stress. <i>Semina:Ciencias Agrarias</i> , 2015, 36, 4565.	0.3	21
32	Incremental amounts of rumen-protected histidine increase plasma and muscle histidine concentrations and milk protein yield in dairy cows fed a metabolizable protein-deficient diet. <i>Journal of Dairy Science</i> , 2019, 102, 4138-4154.	3.4	21
33	Validaãõ das equaãões do NRC (2001) para prediãõ do valor energãtico de alimentos nas condiãões brasileiras. <i>Revista Brasileira De Zootecnia</i> , 2005, 34, 280-287.	0.8	20
34	Net requirements of calcium, magnesium, sodium, phosphorus, and potassium for growth of Nelore ã—Red Angus bulls, steers, and heifers. <i>Livestock Science</i> , 2009, 124, 242-247.	1.6	20
35	Effect of post-weaning growth rate on carcass traits and meat quality of Nelore cattle. <i>Meat Science</i> , 2017, 123, 192-197.	5.5	20
36	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

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37	Does sugar cane ensiled with calcium oxide affect intake, digestibility, performance, and microbial efficiency in beef cattle?. <i>Animal Feed Science and Technology</i> , 2015, 203, 23-32.	2.2	18
38	Performance, carcass characteristics, and ruminal pH of Nellore and Angus young bulls fed a whole shelled corn diet. <i>Journal of Animal Science</i> , 2016, 94, 2451-2459.	0.5	18
39	An evaluation of the face mask system based on short-term measurements compared with the sulfur hexafluoride (SF <sub>6</sub> ) tracer, and respiration chamber techniques for measuring CH <sub>4</sub> emissions. <i>Animal Feed Science and Technology</i> , 2016, 216, 49-57.	2.2	18
40	Prediction of aboveground biomass and dry-matter content in <i>Brachiaria</i> pastures by combining meteorological data and satellite imagery. <i>Grass and Forage Science</i> , 2021, 76, 340-352.	2.9	18
41	Energy requirements of hair sheep in the tropical regions of Latin America. Review. <i>Revista Mexicana De Ciencias Pecuarias</i> , 2016, 7, 105-125.	0.4	18
42	Development of mathematical models to predict dry matter intake in feedlot Santa Ines rams. <i>Small Ruminant Research</i> , 2013, 112, 78-84.	1.2	17
43	Produção de proteína microbiana, concentração plasmática de uréia e excreções de uréia em novilhos alimentados com diferentes níveis de uréia ou casca de algodão. <i>Revista Brasileira De Zootecnia</i> , 2005, 34, 1400-1407.	0.8	16
44	Energy and protein requirements of non-descript breed hair lambs of different sex classes in the semiarid region of Brazil. <i>Tropical Animal Health and Production</i> , 2016, 48, 87-94.	1.4	16
45	Casca de algodão em substituição parcial à silagem de capim-elefante para novilhos. 1. Consumo, degradabilidade e digestibilidade total e parcial. <i>Revista Brasileira De Zootecnia</i> , 2005, 34, 2093-2102.	0.8	15
46	Grãos de oleaginosas na alimentação de novilhos zebuinos: consumo, digestibilidade e desempenho. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 353-359.	0.8	13
47	Composição química e de ácidos graxos do músculo longissimus dorsi e da gordura subcutânea de tourinhos Red Norte e Nelore. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 978-985.	0.8	13
48	Fatty acid profile and meat quality of young bulls fed ground soybean or ground cottonseed and vitamin E. <i>Animal</i> , 2015, 9, 362-372.	3.3	13
49	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
50	Consumo, digestibilidade total e desempenho de novilhos Nelore recebendo dietas contendo diferentes proporções de silagens de <i>Brachiaria brizantha</i> cv. Marandu e de sorgo. <i>Revista Brasileira De Zootecnia</i> , 2005, 34, 2427-2436.	0.8	11
51	A meta-analysis of dry matter intake in Nellore and Zebu-crosses cattle. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 1801-1809.	0.8	11
52	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
53	Estimating mineral requirements of Nellore beef bulls fed with or without inorganic mineral supplementation and the influence on mineral balance. <i>Journal of Animal Science</i> , 2017, 95, 1696.	0.5	10
54	Relationship of empty body weight with shrunken body weight and carcass weights in adult Pelibuey ewes at different physiological states. <i>Small Ruminant Research</i> , 2014, 117, 10-14.	1.2	9

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55	Effect of increasing levels of glycerin on growth rate, carcass traits and liver gluconeogenesis in young bulls. <i>Animal Feed Science and Technology</i> , 2016, 219, 241-248.	2.2	9
56	Desempenho, composiçŁo fŁsica e caracterŁsticas da carcaŁsa de novilhos alimentados com diferentes nŁveis de casca de algodŁo, em confinamento. <i>Revista Brasileira De Zootecnia</i> , 2005, 34, 2466-2474.	0.8	8
57	Carcass and non-carcass component yields of crossbred Boer and Brazilian semiarid indigenous goats subjected to different feeding levels. <i>Tropical Animal Health and Production</i> , 2014, 46, 647-653.	1.4	8
58	Effects of supplements containing different additives on nutritional and productive performance of beef cattle grazing tropical grass. <i>Tropical Animal Health and Production</i> , 2017, 49, 983-988.	1.4	8
59	Lipids in the Diet and the Fatty Acid Profile in Beef: A Review and Recent Patents on the Topic. <i>Recent Patents on Food, Nutrition &amp; Agriculture</i> , 2012, 4, 123-133.	0.9	8
60	Energy and protein requirements of young Holstein calves in tropical condition. <i>Tropical Animal Health and Production</i> , 2016, 48, 1387-1394.	1.4	7
61	Technical note: Relationship between infrared thermography and heat production in young bulls. <i>Journal of Animal Science</i> , 2016, 94, 1105-1109.	0.5	7
62	Technical note: Assessment of the oxygen pulse and heart rate method using respiration chambers and comparative slaughter for measuring heat production of cattle. <i>Journal of Dairy Science</i> , 2016, 99, 8885-8890.	3.4	7
63	Photosensitization in naŁve sheep grazing signal grass ( <i>Brachiaria decumbens</i> ) under full sunlight or a silvopastoral system. <i>Small Ruminant Research</i> , 2018, 169, 24-28.	1.2	7
64	Effects of dietary nonprotein nitrogen on performance, digestibility, ruminal characteristics, and microbial efficiency in crossbred steers. <i>Journal of Animal Science</i> , 2007, 86, 1173-1181.	0.5	7
65	Desempenho, caracterŁsticas de carcaŁsa e expressŁo de genes em tourinhos alimentados com lipŁdeos e monensina. <i>Pesquisa Agropecuaria Brasileira</i> , 2014, 49, 728-736.	0.9	6
66	Models to predict muscle tissue and crude protein in beef cattle. <i>Livestock Science</i> , 2014, 160, 186-193.	1.6	6
67	Total nutrient digestibility and small intestine starch digestion in Nellore and Angus young bulls fed a whole shelled corn diet. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2019, 103, 8-16.	2.2	6
68	Digestibility, ingestive behaviour and performance of non-descript breed hair lambs of different sexual classes subjected to feed restriction. <i>Journal of Animal and Feed Sciences</i> , 2014, 23, 117-123.	1.1	6
69	Grazing Behavior and Locomotion of Young Bulls Receiving Different Nutritional Plans in a Tropical Pasture. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 1717-1725.	2.4	6
70	Intake, digestibility, ruminal parameters, and microbial protein synthesis in crossbred steers fed diets based on <i>Brachiaria</i> grass silage and sorghum silage. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2009, 61, 1328-1338.	0.4	5
71	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
72	Expression of lipogenic genes in the muscle of beef cattle fed oilseeds and vitamin E. <i>Agri Gene</i> , 2020, 15, 100097.	1.9	5

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73	Meat quality traits of European quails reared under different conditions of temperature and air velocity. <i>Poultry Science</i> , 2020, 99, 848-856.	3.4	5
74	Intake, physiological parameters and behavior of Angus and Nellore bulls subjected to heat stress. <i>Semina:Ciencias Agrarias</i> , 2015, 36, 4565.	0.3	5
75	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
76	Farelo de manga na dieta de cordeiros em confinamento. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2012, 64, 967-973.	0.4	4
77	Technical note: Prediction of chemical rib section composition by dual energy X-ray absorptiometry in Zebu beef cattle1. <i>Journal of Animal Science</i> , 2016, 94, 2479-2484.	0.5	4
78	Energy and protein requirements for Angus and Nellore young bulls. <i>Livestock Science</i> , 2017, 195, 67-73.	1.6	4
79	Assessment of body fat composition in crossbred Angus × Nellore using biometric measurements1. <i>Journal of Animal Science</i> , 2017, 95, 5584-5596.	0.5	4
80	Development of equations to predict carcass weight, empty body gain, and retained energy of Zebu beef cattle. <i>Animal</i> , 2021, 15, 100028.	3.3	4
81	Reducing mineral usage in feedlot diets for Nellore cattle: II. Impacts of calcium, phosphorus, copper, manganese, and zinc contents on intake, performance, and liver and bone status. <i>Journal of Animal Science</i> , 2017, 95, 1766.	0.5	4
82	Casca de algodão em substituição parcial à silagem de capim-elefante para novilhos. 2. Parâmetros ruminais e sênicos, produção microbiana e excreção urinária de compostos nitrogenados. <i>Revista Brasileira De Zootecnia</i> , 2005, 34, 2103-2111.	0.8	3
83	Exigências proteicas de bovinos de corte suplementados a pasto. <i>Revista Brasileira De Zootecnia</i> , 2010, 39, 2066-2072.	0.8	3
84	Intake and total apparent digestibility in lambs fed six maize varieties in the Brazilian Semiarid. <i>Revista Brasileira De Zootecnia</i> , 2011, 40, 2922-2928.	0.8	3
85	Performance, carcass traits, meat quality and economic analysis of feedlot of young bulls fed oilseeds with and without supplementation of vitamin E. <i>Revista Brasileira De Zootecnia</i> , 2012, 41, 1756-1763.	0.8	3
86	Desempenho produtivo de ovinos em confinamento alimentados com farelo de manga. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2013, 65, 675-680.	0.4	3
87	Suplementação de bezerras de corte lactentes em sistema de creepfeeding e parâmetros nutricionais e produtivos de vaca de corte em pastejo. <i>Semina:Ciencias Agrarias</i> , 2014, 35, 2723.	0.3	3
88	Componentes constituintes e não constituintes da carcaça de cordeiros Santa Inês alimentados com farelo de manga em substituição ao milho. <i>Semina:Ciencias Agrarias</i> , 2014, 35, 437.	0.3	3
89	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
90	Methane emissions and growth performance of young Nellore bulls fed crude glycerine- fibre-based energy ingredients in low or high concentrate diets. <i>Journal of Agricultural Science</i> , 2016, 154, 1280-1290.	1.3	3

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91	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
92	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
93	Variações diárias nas excreções de creatinina e derivados de purinas em novilhos. <i>Revista Brasileira De Zootecnia</i> , 2007, 36, 896-904.	0.8	3
94	Indirect methods for predicting body composition of Boer crossbreds and indigenous goats from the Brazilian semiarid. <i>Tropical Animal Health and Production</i> , 2015, 47, 1217-1220.	1.4	2
95	Net requirements of calcium, phosphorus, magnesium, and sulphur for growth of non-descript breed hair lambs of different sex classes in the Brazilian semiarid conditions. <i>Tropical Animal Health and Production</i> , 2016, 48, 817-822.	1.4	2
96	Performance, carcass traits and meat quality of lambs fed coffee hulls treated with calcium oxide. <i>Animal Feed Science and Technology</i> , 2020, 264, 114471.	2.2	2
97	Effect of heat stress on intake and metabolism of <i>Bos taurus</i> (Angus) and <i>Bos indicus</i> (Nellore). , 2013, , 291-292.		2
98	Post-weaning growth rate effects on body composition of Nellore bulls. <i>Animal Production Science</i> , 2020, 60, 852.	1.3	2
99	Strategic administration of an appeasing substance to improve performance and physiological responses of <i>Bos indicus</i> feedlot cattle. <i>Journal of Animal Science</i> , 2021, 99, .	0.5	2
100	Carcass characteristics of zebu steers receiving different oleaginous grains - doi: 10.4025/actascianimsci.v35i3.14533. <i>Acta Scientiarum - Animal Sciences</i> , 2013, 35, .	0.3	1
101	Evaluation of predictive equations developed to assess body composition of F1 Nellore × Angus bulls and steers. <i>Animal Production Science</i> , 2015, 55, 978.	1.3	1
102	0878 Chemical composition and expression of genes involved in lipid metabolism in the muscle of Nellore and Angus young bulls fed whole shelled corn diet. <i>Journal of Animal Science</i> , 2016, 94, 422-423.	0.5	1
103	Macromineral requirements of Holstein calves. <i>Pesquisa Agropecuaria Brasileira</i> , 2018, 53, 522-525.	0.9	1
104	Nitrogen metabolism and protein requirements for maintenance of growing Red Norte bulls. <i>Animal</i> , 2020, 14, 763-770.	3.3	1
105	Protein turnover and infrared thermography in Nellore bulls classified for residual feed intake. , 2013, , 125-126.		1
106	Nutrient requirements of beef cattle in tropical climates. , 2019, , .		1
107	Comportamento ingestivo e digestibilidade in vivo de caprinos alimentados com copra de coco verde. <i>Boletim De Indústria Animal</i> , 2016, 73, 24-31.	0.0	1
108	Políticas públicas: direito de aprender e avaliação formativa. <i>Praxis Educativa</i> , 2016, 11, 561-576.	0.1	1

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109	Mango tree pruning hay in substitution of elephant grass in cattle diet. Tropical Animal Health and Production, 2013, 45, 1031-1037.	1.4	0
110	California net energy system for Bos taurus indicus. Translational Animal Science, 2019, 3, 991-998.	1.1	0
111	Beef quality of Nellore steers fed dried or rehydrated and ensiled corn or sorghum grains. Revista Colombiana De Ciencias Pecuarias, 2020, 33, 121-133.	0.4	0
112	Nutrient requirements and evaluation of equations to predict chemical body composition of dairy crossbred steers. Animal Bioscience, 2021, 34, 558-566.	2.0	0
113	Digestibilidade de Cordeiros em Diferentes Níveis de Oferta de Alimentos. Revista Científica De Produção Animal, 2012, 14, 73-76.	0.0	0
114	Effect of metabolizable energy intake on energy partitioning into muscle and fat in Pelibuey ewes. , 2013, , 105-106.		0
115	Nutritional evaluation of bulls receiving supplements with different protein: carbohydrate ratios. , 2013, , 89-90.		0
116	Blood parameters of Angus and Nellore young bulls fed diets with or without forage.. Revista Brasileira De Zootecnia, 0, 48, .	0.8	0
117	Effects of inclusion levels of treated coffee hulls on intake, performance and meat quality of lambs. , 2019, , .		0
118	Prediction of beef carcass physical and chemical composition by dualenergy x-ray absorptiometry. , 2019, , .		0
119	Predicting empty body weight in Pelibuey and Katahdin suckling lambs. , 2019, , .		0
120	Castration and maturity effects on muscle proteome profile. , 2019, , .		0