

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	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
2	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
3	Nutrient requirements and evaluation of equations to predict chemical body composition of dairy crossbred steers. <i>Animal Bioscience</i> , 2021, 34, 558-566.	2.0	0
4	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
5	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
6	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
7	Nitrogen metabolism and protein requirements for maintenance of growing Red Norte bulls. <i>Animal</i> , 2020, 14, 763-770.	3.3	1
8	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
9	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
10	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
11	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
12	Beef quality of Nellore steers fed dried or rehydrated and ensiled corn or sorghum grains. <i>Revista Colombiana De Ciencias Pecuarias</i> , 2020, 33, 121-133.	0.4	0
13	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
14	Post-weaning growth rate effects on body composition of Nellore bulls. <i>Animal Production Science</i> , 2020, 60, 852.	1.3	2
15	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
16	California net energy system for <i>Bos taurus indicus</i> . <i>Translational Animal Science</i> , 2019, 3, 991-998.	1.1	0
17	Carcass and meat quality traits of Nellore young bulls and steers throughout fattening. <i>Livestock Science</i> , 2019, 229, 28-36.	1.6	22
18	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

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19	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
20	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
21	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
22	Nutrient requirements of beef cattle in tropical climates. , 2019, , .		1
23	Effects of inclusion levels of treated coffee hulls on intake, performance and meat quality of lambs. , 2019, , .		0
24	Prediction of beef carcass physical and chemical composition by dualenergy x-ray absorptiometry. , 2019, , .		0
25	Predicting empty body weight in Pelibuey and Katahdin suckling lambs. , 2019, , .		0
26	Castration and maturity effects on muscle proteome profile. , 2019, , .		0
27	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
28	Photosensitization in naïve 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
29	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
30	Macromineral requirements of Holstein calves. <i>Pesquisa Agropecuaria Brasileira</i> , 2018, 53, 522-525.	0.9	1
31	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
32	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
33	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
34	Effect of post-weaning growth rate on carcass traits and meat quality of Nellore cattle. <i>Meat Science</i> , 2017, 123, 192-197.	5.5	20
35	Energy and protein requirements for Angus and Nellore young bulls. <i>Livestock Science</i> , 2017, 195, 67-73.	1.6	4
36	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

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37	Assessment of body fat composition in crossbred Angus × Nellore using biometric measurements1. Journal of Animal Science, 2017, 95, 5584-5596.	0.5	4
38	Estimating mineral requirements of Nellore beef bulls fed with or without inorganic mineral supplementation and the influence on mineral balance. Journal of Animal Science, 2017, 95, 1696.	0.5	10
39	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. Journal of Animal Science, 2017, 95, 1766.	0.5	4
40	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. Journal of Animal Science, 2016, 94, 422-423.	0.5	1
41	Technical note: Prediction of chemical rib section composition by dual energy X-ray absorptiometry in Zebu beef cattle1. Journal of Animal Science, 2016, 94, 2479-2484.	0.5	4
42	Energy and protein requirements of young Holstein calves in tropical condition. Tropical Animal Health and Production, 2016, 48, 1387-1394.	1.4	7
43	Expression of genes related to the regulation of muscle protein turnover in Angus and Nellore bulls1. Journal of Animal Science, 2016, 94, 1472-1481.	0.5	3
44	Technical note: Relationship between infrared thermography and heat production in young bulls. Journal of Animal Science, 2016, 94, 1105-1109.	0.5	7
45	Methane emissions and growth performance of young Nellore bulls fed crude glycerine- fibre-based energy ingredients in low or high concentrate diets. Journal of Agricultural Science, 2016, 154, 1280-1290.	1.3	3
46	Performance, carcass characteristics, and ruminal pH of Nellore and Angus young bulls fed a whole shelled corn diet1. Journal of Animal Science, 2016, 94, 2451-2459.	0.5	18
47	Technical note: Assessment of the oxygen pulse and heart rate method using respiration chambers and comparative slaughter for measuring heat production of cattle. Journal of Dairy Science, 2016, 99, 8885-8890.	3.4	7
48	Effect of increasing levels of glycerin on growth rate, carcass traits and liver gluconeogenesis in young bulls. Animal Feed Science and Technology, 2016, 219, 241-248.	2.2	9
49	Technical note: Estimating body weight and body composition of beef cattle through digital image analysis1. Journal of Animal Science, 2016, 94, 5414-5422.	0.5	60
50	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. Tropical Animal Health and Production, 2016, 48, 817-822.	1.4	2
51	An evaluation of the face mask system based on short-term measurements compared with the sulfur hexafluoride (SF 6) tracer, and respiration chamber techniques for measuring CH 4 emissions. Animal Feed Science and Technology, 2016, 216, 49-57.	2.2	18
52	Energy and protein requirements of non-descript breed hair lambs of different sex classes in the semiarid region of Brazil. Tropical Animal Health and Production, 2016, 48, 87-94.	1.4	16
53	Energy requirements of hair sheep in the tropical regions of Latin America. Review. Revista Mexicana De Ciencias Pecuarias, 2016, 7, 105-125.	0.4	18
54	Exigências Nutricionais de Zebu Anos Puros e Cruzados - BR-CORTE. , 2016, , .		34

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55	Nutrient Requirements of Zebu and Crossbred Cattle - BR-CORTE. , 2016, , .		43
56	Comportamento ingestivo e digestibilidade in vivo de caprinos alimentados com copra de coco verde. Boletim De Indústria Animal, 2016, 73, 24-31.	0.0	1
57	Políticas públicas: direito de aprender e avaliação formativa. Praxis Educativa, 2016, 11, 561-576.	0.1	1
58	Fatty acid profile and meat quality of young bulls fed ground soybean or ground cottonseed and vitamin E. Animal, 2015, 9, 362-372.	3.3	13
59	Evaluation of predictive equations developed to assess body composition of F1 Nellore × Angus bulls and steers. Animal Production Science, 2015, 55, 978.	1.3	1
60	Intake, physiological parameters and behavior of Angus and Nellore bulls subjected to heat stress. Semina:Ciencias Agrarias, 2015, 36, 4565.	0.3	21
61	Indirect methods for predicting body composition of Boer crossbreds and indigenous goats from the Brazilian semiarid. Tropical Animal Health and Production, 2015, 47, 1217-1220.	1.4	2
62	Does sugar cane ensiled with calcium oxide affect intake, digestibility, performance, and microbial efficiency in beef cattle?. Animal Feed Science and Technology, 2015, 203, 23-32.	2.2	18
63	Technical note: Validation of a system for monitoring individual feeding behavior and individual feed intake in dairy cattle. Journal of Dairy Science, 2015, 98, 3438-3442.	3.4	66
64	Achieving Body Weight Adjustments for Feeding Status and Pregnant or Non-Pregnant Condition in Beef Cows. PLoS ONE, 2015, 10, e0112111.	2.5	20
65	Molecular Factors Underlying the Deposition of Intramuscular Fat and Collagen in Skeletal Muscle of Nellore and Angus Cattle. PLoS ONE, 2015, 10, e0139943.	2.5	52
66	Intake, physiological parameters and behavior of Angus and Nellore bulls subjected to heat stress. Semina:Ciencias Agrarias, 2015, 36, 4565.	0.3	5
67	Expression of genes involved in lipid metabolism in the muscle of beef cattle fed soybean or rumen-protected fat, with or without monensin supplementation1. Journal of Animal Science, 2014, 92, 5426-5436.	0.5	29
68	Desempenho, características de carcaça e expressão de genes em tourinhos alimentados com lipídeos e monensina. Pesquisa Agropecuária Brasileira, 2014, 49, 728-736.	0.9	6
69	Suplementação de bezerras de corte lactentes em sistema de creepfeeding e parâmetros nutricionais e produtivos de vaca de corte em pastejo. Semina:Ciencias Agrarias, 2014, 35, 2723.	0.3	3
70	Componentes constituintes e não constituintes da carcaça de cordeiros Santa Inês alimentados com farelo de manga em substituição ao milho. Semina:Ciencias Agrarias, 2014, 35, 437.	0.3	3
71	Carcass and non-carcass component yields of crossbred Boer and Brazilian semiarid indigenous goats subjected to different feeding levels. Tropical Animal Health and Production, 2014, 46, 647-653.	1.4	8
72	Meat quality and fatty acid profile of Brazilian goats subjected to different nutritional treatments. Meat Science, 2014, 97, 602-608.	5.5	41

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73	Qualitative characteristics of meat from young bulls fed different levels of crude glycerin. Meat Science, 2014, 96, 977-983.	5.5	30
74	Models to predict muscle tissue and crude protein in beef cattle. Livestock Science, 2014, 160, 186-193.	1.6	6
75	Fatty acid profile, color and lipid oxidation of meat from young bulls fed ground soybean or rumen protected fat with or without monensin. Meat Science, 2014, 96, 597-605.	5.5	58
76	Relationship of empty body weight with shrunken body weight and carcass weights in adult Pelibuey ewes at different physiological states. Small Ruminant Research, 2014, 117, 10-14.	1.2	9
77	Digestibility, ingestive behaviour and performance of non-descript breed hair lambs of different sexual classes subjected to feed restriction. Journal of Animal and Feed Sciences, 2014, 23, 117-123.	1.1	6
78	Development of mathematical models to predict dry matter intake in feedlot Santa Ines rams. Small Ruminant Research, 2013, 112, 78-84.	1.2	17
79	Mango tree pruning hay in substitution of elephant grass in cattle diet. Tropical Animal Health and Production, 2013, 45, 1031-1037.	1.4	0
80	Carcass characteristics of zebu steers receiving different oleaginous grains - doi: 10.4025/actascianimsci.v35i3.14533. Acta Scientiarum - Animal Sciences, 2013, 35, .	0.3	1
81	Desempenho produtivo de ovinos em confinamento alimentados com farelo de manga. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2013, 65, 675-680.	0.4	3
82	Protein turnover and infrared thermography in Nellore bulls classified for residual feed intake. , 2013, , 125-126.		1
83	Effect of heat stress on intake and metabolism of Bos taurus (Angus) and Bos indicus (Nellore). , 2013, , 291-292.		2
84	Grazing Behavior and Locomotion of Young Bulls Receiving Different Nutritional Plans in a Tropical Pasture. Asian-Australasian Journal of Animal Sciences, 2013, 26, 1717-1725.	2.4	6
85	Effect of metabolizable energy intake on energy partitioning into muscle and fat in Pelibuey ewes. , 2013, , 105-106.		0
86	Nutritional evaluation of bulls receiving supplements with different protein: carbohydrate ratios. , 2013, , 89-90.		0
87	Prediction of physical and chemical body compositions of purebred and crossbred Nellore cattle using the composition of a rib section1. Journal of Animal Science, 2012, 90, 1280-1290.	0.5	28
88	Creatinine excretion and relationship with body weight of Nellore cattle. Revista Brasileira De Zootecnia, 2012, 41, 807-810.	0.8	54
89	GrÃ£os de oleaginosas na alimentaÃ§Ã£o de novilhos zebuÃnos: consumo, digestibilidade e desempenho. Revista Brasileira De Zootecnia, 2012, 41, 353-359.	0.8	13
90	Performance, carcass traits, meat quality and economic analysis of feedlot of young bulls fed oilseeds with and without supplementation of vitamin E. Revista Brasileira De Zootecnia, 2012, 41, 1756-1763.	0.8	3

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91	Composição química e de Ácidos graxos do músculo longissimus dorsi e da gordura subcutânea de tourinhos Red Norte e Nelore. Revista Brasileira De Zootecnia, 2012, 41, 978-985.	0.8	13
92	Farelo de manga na dieta de cordeiros em confinamento. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2012, 64, 967-973.	0.4	4
93	Características de carcaça e cortes comerciais de tourinhos Red Norte e Nelore terminados em confinamento. Revista Brasileira De Zootecnia, 2012, 41, 970-977.	0.8	28
94	Lipids in the Diet and the Fatty Acid Profile in Beef: A Review and Recent Patents on the Topic. Recent Patents on Food, Nutrition & Agriculture, 2012, 4, 123-133.	0.9	8
95	Digestibilidade de Cordeiros em Diferentes Níveis de Oferta de Alimentos. Revista Científica De Produção Animal, 2012, 14, 73-76.	0.0	0
96	Intake and total apparent digestibility in lambs fed six maize varieties in the Brazilian Semiarid. Revista Brasileira De Zootecnia, 2011, 40, 2922-2928.	0.8	3
97	Fatty acid profile and qualitative characteristics of meat from zebu steers fed with different oilseeds1. Journal of Animal Science, 2011, 89, 2546-2555.	0.5	56
98	Water and small ruminant production. Revista Brasileira De Zootecnia, 2010, 39, 326-336.	0.8	58
99	A meta-analysis of dry matter intake in Nellore and Zebu-crosses cattle. Revista Brasileira De Zootecnia, 2010, 39, 1801-1809.	0.8	11
100	Exigências proteicas de bovinos de corte suplementados a pasto. Revista Brasileira De Zootecnia, 2010, 39, 2066-2072.	0.8	3
101	Intake, digestibility, ruminal parameters, and microbial protein synthesis in crossbred steers fed diets based on Brachiaria grass silage and sorghum silage. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2009, 61, 1328-1338.	0.4	5
102	Net requirements of calcium, magnesium, sodium, phosphorus, and potassium for growth of Nellore – Red Angus bulls, steers, and heifers. Livestock Science, 2009, 124, 242-247.	1.6	20
103	Determination of creatinine excretion and evaluation of spot urine sampling in Holstein cattle. Livestock Science, 2008, 113, 218-225.	1.6	231
104	Prediction of the energy value of cattle diets based on the chemical composition of the feeds under tropical conditions. Animal Feed Science and Technology, 2008, 143, 127-147.	2.2	30
105	A meta-analysis of energy and protein requirements for maintenance and growth of Nellore cattle1. Journal of Animal Science, 2008, 86, 1588-1597.	0.5	66
106	Energy and protein requirements for growth and maintenance of F1 Nellore – Red Angus bulls, steers, and heifers1. Journal of Animal Science, 2007, 85, 1971-1981.	0.5	57
107	Reparametrização do modelo baseado na lei de superfície para predição da fração digestível da fibra em detergente neutro em condições brasileiras. Revista Brasileira De Zootecnia, 2007, 36, 155-164.	0.8	29
108	Consumo, digestibilidade e excreção de uréia e derivados de purinas em vacas de diferentes níveis de produção de leite. Revista Brasileira De Zootecnia, 2007, 36, 138-146.	0.8	39

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109	Variações diúrnas nas excreções de creatinina e derivados de purinas em novilhos. Revista Brasileira De Zootecnia, 2007, 36, 896-904.	0.8	3
110	Effects of dietary nonprotein nitrogen on performance, digestibility, ruminal characteristics, and microbial efficiency in crossbred steers. Journal of Animal Science, 2007, 86, 1173-1181.	0.5	7
111	Estimativa da digestibilidade dos carboidratos não-fibrosos em bovinos utilizando-se o conceito de entidade nutricional em condições brasileiras. Revista Brasileira De Zootecnia, 2006, 35, 1479-1486.	0.8	27
112	Consumo, digestibilidade e excreção de uréia e derivados de purinas em novilhas de diferentes pesos. Revista Brasileira De Zootecnia, 2006, 35, 1813-1821.	0.8	44
113	Consumo, digestibilidade total e desempenho de novilhos Nelore recebendo dietas contendo diferentes proporções de silagens de Brachiaria brizantha cv. Marandu e de sorgo. Revista Brasileira De Zootecnia, 2005, 34, 2427-2436.	0.8	11
114	Desempenho, composição física e características da carcaça de novilhos alimentados com diferentes níveis de casca de algodão, em confinamento. Revista Brasileira De Zootecnia, 2005, 34, 2466-2474.	0.8	8
115	Validação das equações do NRC (2001) para predição do valor energético de alimentos nas condições brasileiras. Revista Brasileira De Zootecnia, 2005, 34, 280-287.	0.8	20
116	Casca de algodão em substituição parcial à silagem de capim-elefante para novilhos. 1. Consumo, degradabilidade e digestibilidade total e parcial. Revista Brasileira De Zootecnia, 2005, 34, 2093-2102.	0.8	15
117	Casca de algodão em substituição parcial à silagem de capim-elefante para novilhos. 2. Parâmetros ruminais e sêricos, produção microbiana e excreção urinária de compostos nitrogenados. Revista Brasileira De Zootecnia, 2005, 34, 2103-2111.	0.8	3
118	Produção de proteína microbiana, concentração plasmática de uréia e excreções de uréia em novilhos alimentados com diferentes níveis de uréia ou casca de algodão. Revista Brasileira De Zootecnia, 2005, 34, 1400-1407.	0.8	16
119	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. Revista Brasileira De Zootecnia, 2001, 30, 1621-1629.	0.8	56
120	Blood parameters of Angus and Nellore young bulls fed diets with or without forage.. Revista Brasileira De Zootecnia, 0, 48, .	0.8	0