Gabriel O Ribeiro

List of Publications by Year
in descending order

54	682	567281 15	642732 23
papers	citations	h-index	g-index

55	55	55	797
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Repeated inoculation of cattle rumen with bison rumen contents alters the rumen microbiome and improves nitrogen digestibility in cattle. Scientific Reports, 2017, 7, 1276.	3.3	67
2	Invited review: Application of meta-omics to understand the dynamic nature of the rumen microbiome and how it responds to diet in ruminants. Animal, 2019, 13, 1843-1854.	3.3	63
3	Mining the rumen for fibrolytic feed enzymes. Animal Frontiers, 2016, 6, 20-26.	1.7	53
4	Effect of engineered biocarbon on rumen fermentation, microbial protein synthesis, and methane production in an artificial rumen (RUSITEC) fed a high forage diet1. Journal of Animal Science, 2018, 96, 3121-3130.	0.5	39
5	Inclusion of glycerol in forage diets increases methane production in a rumen simulation technique system. British Journal of Nutrition, 2014, 111, 829-835.	2.3	32
6	Nutrient cycling and greenhouse gas emissions from soil amended with biochar-manure mixtures. Pedosphere, 2021, 31, 289-302.	4.0	27
7	A Pine Enhanced Biochar Does Not Decrease Enteric CH4 Emissions, but Alters the Rumen Microbiota. Frontiers in Veterinary Science, 2019, 6, 308.	2.2	25
8	New recombinant fibrolytic enzymes for improved in vitro ruminal fiber degradability of barley straw1. Journal of Animal Science, 2018, 96, 3928-3942.	0.5	24
9	Fermentation of Ammonia Fiber Expansion Treated and Untreated Barley Straw in a Rumen Simulation Technique Using Rumen Inoculum from Cattle with Slow versus Fast Rate of Fiber Disappearance. Frontiers in Microbiology, 2016, 7, 1839.	3.5	22
10	Production, Nutritional Quality and <italic>In vitro</italic> Methane Production from <italic>Andropogon gayanus</italic> Grass Harvested at Different Maturities and Preserved as Hay or Silage. Asian-Australasian Journal of Animal Sciences, 2014, 27, 330-341.	2.4	21
11	Synergism of Cattle and Bison Inoculum on Ruminal Fermentation and Select Bacterial Communities in an Artificial Rumen (Rusitec) Fed a Barley Straw Based Diet. Frontiers in Microbiology, 2016, 7, 2032.	3.5	20
12	Effect of humic substances on rumen fermentation, nutrient digestibility, methane emissions, and rumen microbiota in beef heifers1. Journal of Animal Science, 2018, 96, 3863-3877.	0.5	20
13	Effect of fibrolytic enzymes added to a Andropogon gayanus grass silage-concentrate diet on rumen fermentation in batch cultures and the artificial rumen (Rusitec). Animal, 2015, 9, 1153-1162.	3.3	19
14	Effect of ammonia fiber expansion-treated wheat straw and a recombinant fibrolytic enzyme on rumen microbiota and fermentation parameters, total tract digestibility, and performance of lambs. Journal of Animal Science, 2020, 98, .	0.5	19
15	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
16	Recombinant fibrolytic feed enzymes and ammonia fibre expansion (AFEX) pretreatment of crop residues to improve fibre degradability in cattle. Animal Feed Science and Technology, 2019, 256, 114260.	2.2	17
17	Effects of post-pyrolysis treated biochars on methane production, ruminal fermentation, and rumen microbiota of a silage-based diet in an artificial rumen system (RUSITEC). Animal Feed Science and Technology, 2021, 273, 114802.	2.2	14
18	Effect of grain maturity stage on the quality of sorghum BRS-610 silages. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2011, 63, 1215-1223.	0.4	14

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19	Identification of novel enzymes to enhance the ruminal digestion of barley straw. Bioresource Technology, 2018, 260, 76-84.	9.6	13
20	Effects of a recombinant fibrolytic enzyme on fiber digestion, ruminal fermentation, nitrogen balance, and total tract digestibility of heifers fed a high forage diet1. Journal of Animal Science, 2019, 97, 3578-3587.	0.5	13
21	Effect of exogenous fibrolytic enzymes and ammonia fiber expansion on the fermentation of wheat straw in an artificial rumen system (RUSITEC)1. Journal of Animal Science, 2019, 97, 3535-3549.	0.5	13
22	Effect of diastatic power and processing index on the feed value of barley grain for finishing feedlot cattle1. Journal of Animal Science, 2016, 94, 3370-3381.	0.5	11
23	Effect of a pine enhanced biochar on growth performance, carcass quality, and feeding behavior of feedlot steers1. Translational Animal Science, 2020, 4, 831-838.	1.1	11
24	Humic substances reduce ruminal methane production and increase the efficiency of microbial protein synthesis in vitro. Journal of the Science of Food and Agriculture, 2019, 99, 2152-2157.	3.5	9
25	Qualidade da silagem de hÃbridos de sorgo em diferentes estÃ¡dios de maturaÃ§Ã£o. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2012, 64, 711-720.	0.4	9
26	Effects of feeding a pine-based biochar to beef cattle on subsequent manure nutrients, organic matter composition and greenhouse gas emissions. Science of the Total Environment, 2022, 812, 152267.	8.0	9
27	Effect of Propionibacterium freudenreichii in diets containing rapeseed or flaxseed oil on in vitro ruminal fermentation, methane production and fatty acid biohydrogenation. Animal Production Science, 2017, 57, 2051.	1.3	8
28	Potential for improving fiber digestion in the rumen of cattle (Bos taurus) through microbial inoculation from bison (Bison bison): In situ fiber degradation1. Journal of Animal Science, 2017, 95, 2156-2167.	0.5	8
29	Effect of ammonia fibre expansion (AFEX) treatment of rice straw on in situ digestibility, microbial colonization, acetamide levels and growth performance of lambs. Animal Feed Science and Technology, 2020, 261, 114411.	2.2	8
30	Intake and digestibility of sorghum (Sorghum bicolor, L. Moench) silages with different tannin contents in sheep. Revista Brasileira De Zootecnia, 2014, 43, 14-19.	0.8	7
31	Methane production and energy partitioning in sheep fedAndropogon gayanusgrass ensiled at three regrowth stages. Canadian Journal of Animal Science, 2015, 95, 103-110.	1.5	7
32	613 Humic substances supplementation reduces ruminal methane production and increases the efficiency of microbial protein synthesis in vitro. Journal of Animal Science, 2017, 95, 300-300.	0.5	6
33	PadrÃ£o de fermentaÃ§Ã£o da silagem de cinco genÃ³tipos de sorgo. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2007, 59, 1531-1537.	0.4	6
34	Effect ofPropionibacterium freudenreichiion ruminal fermentation patterns, methane production and lipid biohydrogenation of beef finishing diets containing flaxseed oil in a rumen simulation technique. Canadian Journal of Animal Science, 2014, 94, 685-695.	1.5	4
35	Inoculum source and transfer of rumen contents from bison to cattle improved in vitro gas production and feed digestibility, but not the responses to exogenous enzymes supplementation. Animal Feed Science and Technology, 2019, 248, 37-46.	2.2	4
36	Respirometria e emissÃ£o de metano por ovinos alimentados com capim-elefante cortado com diferentes idades. Bioscience Journal, 2015, 31, 841-849.	0.4	4

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37	CinÃ©tica de degradaÃ§Ã£o in situ das silagens de capim Andropogon gayanus produzidas em trÃªs idades de corte. Arquivo Brasileiro De Medicina Veterinaria E Zootecnia, 2014, 66, 1883-1890.	0.4	3
38	Effects of conventional and nonconventional growth-enhancing technologies for finishing feedlot beef steers. Applied Animal Science, 2020, 36, 524-536.	1.2	3
39	Effect of replacing barley silage with calcium oxide-treated barley straw on rumen fermentation, rumen microbiota, nutrient digestibility, and growth performance of finishing beef cattle. Canadian Journal of Animal Science, 2021, 101, 493-506.	1.5	3
40	Effect of pine-based biochars with differing physiochemical properties on methane production, ruminal fermentation, and rumen microbiota in an artificial rumen (RUSITEC) fed barley silage. Canadian Journal of Animal Science, 2021, 101, 577-589.	1.5	3
41	Pretreatment of crop residues by ammonia fiber expansion (AFEX) alters the temporal colonization of feed in the rumen by rumen microbes. FEMS Microbiology Ecology, 2020, 96, .	2.7	2
42	PSI-1 Effects of source and level of inclusion of engineered biocarbon in a total mixed beef cattle diet on in vitro methane emissions and fermentation parameters. Journal of Animal Science, 2019, 97, 290-291.	0.5	1
43	Valor nutricional de hÃbridos de sorgo para corte e pastejo (Sorghum bicolor x Sorghum sudanense) em diferentes fases fenolÃ³gicas. Semina:Ciencias Agrarias, 2015, 36, 377.	0.3	0
44	1649 Effect of ruminal inoculum from bison or cattle on in vitro gas production, feed digestibility, and responses to exogenous enzyme supplementation. Journal of Animal Science, 2016, 94, 803-804.	0.5	0
45	1636 Effects of inoculum source and ammoniation on in vitro gas production kinetics of barley straw. Journal of Animal Science, 2016, 94, 796-797.	0.5	0
46	1447 Effect of diastatic power and processing index on the feed value of barley grain for finishing feedlot cattle. Journal of Animal Science, 2016, 94, 702-702.	0.5	0
47	SHORT COMMUNICATION: Impact of low- and medium-oil corn dried distillersâ€™ grains plus solubles on growth performance of feedlot cattle. Canadian Journal of Animal Science, 0, , .	1.5	0
48	81 Effects of engineered biocarbons on total gas and methane production, rumen fermentation and microbial protein synthesis in a semi continuous fermentation system (RUSITEC). Journal of Animal Science, 2019, 97, 72-73.	0.5	0
49	98 Effect of engineered biocarbon on rumen fermentation, nutrient digestibility, methane emissions, and rumen microbiota in beef heifers. Journal of Animal Science, 2019, 97, 82-83.	0.5	0
50	0481 Potential to improve fiber digestion in the rumen of cattle through inoculation with bison rumen contents. Journal of Animal Science, 2016, 94, 230-231.	0.5	0
51	1658 Synergism of cattle and bison inoculum on ruminal fermentation and bacterial communities in an artificial rumen (Rusitec) fed barley straw. Journal of Animal Science, 2016, 94, 808-808.	0.5	0
52	1606 Enrichment of cattle rumen with bison rumen contents improves nitrogen digestion. Journal of Animal Science, 2016, 94, 781-781.	0.5	0
53	74 Effects of particle size and levels of inclusion of selected engineered biocarbon on methane emission and rumen fermentation of barley-silage based diet in batch culture. Journal of Animal Science, 2019, 97, 71-72.	0.5	0
54	Effects of biochar source, level of inclusion, and particle size on in vitro dry matter disappearance, total gas, and methane production and ruminal fermentation parameters in a barley silage-based diet. Canadian Journal of Animal Science, 0, , 1-12.	1.5	0