

Gabriel O Ribeiro

List of Publications by Year in descending order

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54
papers

682
citations

567281

15
h-index

642732

23
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55
all docs

55
docs citations

55
times ranked

797
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of feeding a pine-based biochar to beef cattle on subsequent manure nutrients, organic matter composition and greenhouse gas emissions. <i>Science of the Total Environment</i> , 2022, 812, 152267.	8.0	9
2	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). <i>Animal Feed Science and Technology</i> , 2021, 273, 114802.	2.2	14
3	Nutrient cycling and greenhouse gas emissions from soil amended with biochar-manure mixtures. <i>Pedosphere</i> , 2021, 31, 289-302.	4.0	27
4	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. <i>Canadian Journal of Animal Science</i> , 2021, 101, 493-506.	1.5	3
5	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. <i>Canadian Journal of Animal Science</i> , 2021, 101, 577-589.	1.5	3
6	Effects of conventional and nonconventional growth-enhancing technologies for finishing feedlot beef steers. <i>Applied Animal Science</i> , 2020, 36, 524-536.	1.2	3
7	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. <i>Journal of Animal Science</i> , 2020, 98, .	0.5	19
8	Pretreatment of crop residues by ammonia fiber expansion (AFEX) alters the temporal colonization of feed in the rumen by rumen microbes. <i>FEMS Microbiology Ecology</i> , 2020, 96, .	2.7	2
9	Effect of ammonia fibre expansion (AFEX) treatment of rice straw on in situ digestibility, microbial colonization, acetamide levels and growth performance of lambs. <i>Animal Feed Science and Technology</i> , 2020, 261, 114411.	2.2	8
10	Effect of a pine enhanced biochar on growth performance, carcass quality, and feeding behavior of feedlot steers ¹ . <i>Translational Animal Science</i> , 2020, 4, 831-838.	1.1	11
11	Effects of a recombinant fibrolytic enzyme on fiber digestion, ruminal fermentation, nitrogen balance, and total tract digestibility of heifers fed a high forage diet ¹ . <i>Journal of Animal Science</i> , 2019, 97, 3578-3587.	0.5	13
12	Effect of exogenous fibrolytic enzymes and ammonia fiber expansion on the fermentation of wheat straw in an artificial rumen system (RUSITEC) ¹ . <i>Journal of Animal Science</i> , 2019, 97, 3535-3549.	0.5	13
13	Recombinant fibrolytic feed enzymes and ammonia fibre expansion (AFEX) pretreatment of crop residues to improve fibre degradability in cattle. <i>Animal Feed Science and Technology</i> , 2019, 256, 114260.	2.2	17
14	A Pine Enhanced Biochar Does Not Decrease Enteric CH ₄ Emissions, but Alters the Rumen Microbiota. <i>Frontiers in Veterinary Science</i> , 2019, 6, 308.	2.2	25
15	Invited review: Application of meta-omics to understand the dynamic nature of the rumen microbiome and how it responds to diet in ruminants. <i>Animal</i> , 2019, 13, 1843-1854.	3.3	63
16	81 Effects of engineered biocarbons on total gas and methane production, rumen fermentation and microbial protein synthesis in a semi continuous fermentation system (RUSITEC). <i>Journal of Animal Science</i> , 2019, 97, 72-73.	0.5	0
17	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. <i>Journal of Animal Science</i> , 2019, 97, 290-291.	0.5	1
18	98 Effect of engineered biocarbon on rumen fermentation, nutrient digestibility, methane emissions, and rumen microbiota in beef heifers. <i>Journal of Animal Science</i> , 2019, 97, 82-83.	0.5	0

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19	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. <i>Animal Feed Science and Technology</i> , 2019, 248, 37-46.	2.2	4
20	Humic substances reduce ruminal methane production and increase the efficiency of microbial protein synthesis <i>in vitro</i> . <i>Journal of the Science of Food and Agriculture</i> , 2019, 99, 2152-2157.	3.5	9
21	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. <i>Journal of Animal Science</i> , 2019, 97, 71-72.	0.5	0
22	Identification of novel enzymes to enhance the ruminal digestion of barley straw. <i>Bioresource Technology</i> , 2018, 260, 76-84.	9.6	13
23	Effect of humic substances on rumen fermentation, nutrient digestibility, methane emissions, and rumen microbiota in beef heifers ¹ . <i>Journal of Animal Science</i> , 2018, 96, 3863-3877.	0.5	20
24	New recombinant fibrolytic enzymes for improved in vitro ruminal fiber degradability of barley straw ¹ . <i>Journal of Animal Science</i> , 2018, 96, 3928-3942.	0.5	24
25	Effect of engineered biocarbon on rumen fermentation, microbial protein synthesis, and methane production in an artificial rumen (RUSITEC) fed a high forage diet ¹ . <i>Journal of Animal Science</i> , 2018, 96, 3121-3130.	0.5	39
26	Repeated inoculation of cattle rumen with bison rumen contents alters the rumen microbiome and improves nitrogen digestibility in cattle. <i>Scientific Reports</i> , 2017, 7, 1276.	3.3	67
27	Effect of <i>Propionibacterium freudenreichii</i> in diets containing rapeseed or flaxseed oil on in vitro ruminal fermentation, methane production and fatty acid biohydrogenation. <i>Animal Production Science</i> , 2017, 57, 2051.	1.3	8
28	Potential for improving fiber digestion in the rumen of cattle (<i>Bos taurus</i>) through microbial inoculation from bison (<i>Bison bison</i>): In situ fiber degradation ¹ . <i>Journal of Animal Science</i> , 2017, 95, 2156-2167.	0.5	8
29	613 Humic substances supplementation reduces ruminal methane production and increases the efficiency of microbial protein synthesis <i>in vitro</i> . <i>Journal of Animal Science</i> , 2017, 95, 300-300.	0.5	6
30	1649 Effect of ruminal inoculum from bison or cattle on in vitro gas production, feed digestibility, and responses to exogenous enzyme supplementation. <i>Journal of Animal Science</i> , 2016, 94, 803-804.	0.5	0
31	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. <i>Frontiers in Microbiology</i> , 2016, 7, 1839.	3.5	22
32	Synergism of Cattle and Bison Inoculum on Ruminal Fermentation and Select Bacterial Communities in an Artificial Rumen (Rusitec) Fed a Barley Straw Based Diet. <i>Frontiers in Microbiology</i> , 2016, 7, 2032.	3.5	20
33	Mining the rumen for fibrolytic feed enzymes. <i>Animal Frontiers</i> , 2016, 6, 20-26.	1.7	53
34	1636 Effects of inoculum source and ammoniation on in vitro gas production kinetics of barley straw. <i>Journal of Animal Science</i> , 2016, 94, 796-797.	0.5	0
35	1447 Effect of diastatic power and processing index on the feed value of barley grain for finishing feedlot cattle. <i>Journal of Animal Science</i> , 2016, 94, 702-702.	0.5	0
36	Effect of diastatic power and processing index on the feed value of barley grain for finishing feedlot cattle ¹ . <i>Journal of Animal Science</i> , 2016, 94, 3370-3381.	0.5	11

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37	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. <i>Animal Feed Science and Technology</i> , 2016, 216, 49-57.	2.2	18
38	0481 Potential to improve fiber digestion in the rumen of cattle through inoculation with bison rumen contents. <i>Journal of Animal Science</i> , 2016, 94, 230-231.	0.5	0
39	1658 Synergism of cattle and bison inoculum on ruminal fermentation and bacterial communities in an artificial rumen (Rusitec) fed barley straw. <i>Journal of Animal Science</i> , 2016, 94, 808-808.	0.5	0
40	1606 Enrichment of cattle rumen with bison rumen contents improves nitrogen digestion. <i>Journal of Animal Science</i> , 2016, 94, 781-781.	0.5	0
41	Effect of fibrolytic enzymes added to a <i>Andropogon gayanus</i> grass silage-concentrate diet on rumen fermentation in batch cultures and the artificial rumen (Rusitec). <i>Animal</i> , 2015, 9, 1153-1162.	3.3	19
42	Valor nutricional de híbridos de sorgo para corte e pastejo (<i>Sorghum bicolor</i> x <i>Sorghum sudanense</i>) em diferentes fases fenológicas. <i>Semina: Ciências Agrárias</i> , 2015, 36, 377.	0.3	0
43	Methane production and energy partitioning in sheep fed <i>Andropogon gayanus</i> grass ensiled at three regrowth stages. <i>Canadian Journal of Animal Science</i> , 2015, 95, 103-110.	1.5	7
44	Respirometria e emissão de metano por ovinos alimentados com capim-elefante cortado com diferentes idades. <i>Bioscience Journal</i> , 2015, 31, 841-849.	0.4	4
45	Cinética de degradação in situ das silagens de capim <i>Andropogon gayanus</i> produzidas em três idades de corte. <i>Arquivo Brasileiro De Medicina Veterinária E Zootecnia</i> , 2014, 66, 1883-1890.	0.4	3
46	Intake and digestibility of sorghum (<i>Sorghum bicolor</i> , L. Moench) silages with different tannin contents in sheep. <i>Revista Brasileira De Zootecnia</i> , 2014, 43, 14-19.	0.8	7
47	Production, Nutritional Quality and <i>In vitro</i> Methane Production from <i>Andropogon gayanus</i> Grass Harvested at Different Maturities and Preserved as Hay or Silage. <i>Asian-Australasian Journal of Animal Sciences</i> , 2014, 27, 330-341.	2.4	21
48	Inclusion of glycerol in forage diets increases methane production in a rumen simulation technique system. <i>British Journal of Nutrition</i> , 2014, 111, 829-835.	2.3	32
49	Effect of <i>Propionibacterium freudenreichii</i> on ruminal fermentation patterns, methane production and lipid biohydrogenation of beef finishing diets containing flaxseed oil in a rumen simulation technique. <i>Canadian Journal of Animal Science</i> , 2014, 94, 685-695.	1.5	4
50	Qualidade da silagem de híbridos de sorgo em diferentes estágios de maturação. <i>Arquivo Brasileiro De Medicina Veterinária E Zootecnia</i> , 2012, 64, 711-720.	0.4	9
51	Effect of grain maturity stage on the quality of sorghum BRS-610 silages. <i>Arquivo Brasileiro De Medicina Veterinária E Zootecnia</i> , 2011, 63, 1215-1223.	0.4	14
52	Padrão de fermentação da silagem de cinco genótipos de sorgo. <i>Arquivo Brasileiro De Medicina Veterinária E Zootecnia</i> , 2007, 59, 1531-1537.	0.4	6
53	SHORT COMMUNICATION: Impact of low- and medium-oil corn dried distillers' grains plus solubles on growth performance of feedlot cattle. <i>Canadian Journal of Animal Science</i> , 0, , .	1.5	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. <i>Canadian Journal of Animal Science</i> , 0, , 1-12.	1.5	0