

Robert Wallace

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8469518/publications.pdf>

Version: 2024-02-01

21
papers

2,400
citations

361045

20
h-index

752256

20
g-index

21
all docs

21
docs citations

21
times ranked

2698
citing authors

#	ARTICLE	IF	CITATIONS
1	The rumen microbial metagenome associated with high methane production in cattle. BMC Genomics, 2015, 16, 839.	1.2	306
2	Bovine Host Genetic Variation Influences Rumen Microbial Methane Production with Best Selection Criterion for Low Methane Emitting and Efficiently Feed Converting Hosts Based on Metagenomic Gene Abundance. PLoS Genetics, 2016, 12, e1005846.	1.5	267
3	The ruminal microbiome associated with methane emissions from ruminant livestock. Journal of Animal Science and Biotechnology, 2017, 8, 7.	2.1	246
4	A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. Science Advances, 2019, 5, eaav8391.	4.7	218
5	16S rDNA library-based analysis of ruminal bacterial diversity. Antonie Van Leeuwenhoek, 2004, 86, 263-281.	0.7	203
6	The rumen microbiome: balancing food security and environmental impacts. Nature Reviews Microbiology, 2021, 19, 553-566.	13.6	143
7	A Review of Bioinformatics Tools for Bio-Propecting from Metagenomic Sequence Data. Frontiers in Genetics, 2017, 8, 23.	1.1	137
8	Metabolism of conjugated linoleic acids and 18 ω -1 fatty acids by ruminal bacteria: products and mechanisms. Microbiology (United Kingdom), 2010, 156, 579-588.	0.7	124
9	Olsenella umbonata sp. nov., a microaerotolerant anaerobic lactic acid bacterium from the sheep rumen and pig jejunum, and emended descriptions of Olsenella, Olsenella uli and Olsenella profusa. International Journal of Systematic and Evolutionary Microbiology, 2011, 61, 795-803.	0.8	121
10	Hydrogen and methane emissions from beef cattle and their rumen microbial community vary with diet, time after feeding and genotype. British Journal of Nutrition, 2014, 112, 398-407.	1.2	95
11	Archaeal abundance in post-mortem ruminal digesta may help predict methane emissions from beef cattle. Scientific Reports, 2014, 4, 5892.	1.6	88
12	Taxon abundance, diversity, co-occurrence and network analysis of the ruminal microbiota in response to dietary changes in dairy cows. PLoS ONE, 2017, 12, e0180260.	1.1	84
13	Effect of DNA extraction and sample preservation method on rumen bacterial population. Anaerobe, 2014, 29, 80-84.	1.0	81
14	Oral Samples as Non-Invasive Proxies for Assessing the Composition of the Rumen Microbial Community. PLoS ONE, 2016, 11, e0151220.	1.1	70
15	Sensitivity of pathogenic and commensal bacteria from the human colon to essential oils. Microbiology (United Kingdom), 2012, 158, 2870-2877.	0.7	66
16	Risks associated with endotoxins in feed additives produced by fermentation. Environmental Health, 2016, 15, 5.	1.7	36
17	Diversity and Community Composition of Methanogenic Archaea in the Rumen of Scottish Upland Sheep Assessed by Different Methods. PLoS ONE, 2014, 9, e106491.	1.1	32
18	Simple and Versatile Turbidimetric Monitoring of Bacterial Growth in Liquid Cultures Using a Customized 3D Printed Culture Tube Holder and a Miniaturized Spectrophotometer: Application to Facultative and Strictly Anaerobic Bacteria. Frontiers in Microbiology, 2016, 7, 1381.	1.5	29

#	ARTICLE	IF	CITATIONS
19	Metabolism of \pm -linolenic acid during incubations with strained bovine rumen contents: products and mechanisms. <i>British Journal of Nutrition</i> , 2016, 115, 2093-2105.	1.2	28
20	Essential oils have different effects on human pathogenic and commensal bacteria in mixed faecal fermentations compared with pure cultures. <i>Microbiology (United Kingdom)</i> , 2015, 161, 441-449.	0.7	26
21	Impact and legacy of the highly cited paper by Blaxter and Clapperton (1965) Prediction of the amount of methane produced by ruminants. <i>Br. J. Nutr.</i> 19, 511-522. <i>British Journal of Nutrition</i> , 2022, , 1-10.	1.2	0