Sharon Ann Huws

List of Publications by Year
in descending order

21 papers	966 citations	759055 12 h-index	752573 20 g-index
26 all docs	26 docs citations	26 times ranked	1036 citing authors

#	Article	IF	Citations
1	Addressing Global Ruminant Agricultural Challenges Through Understanding the Rumen Microbiome: Past, Present, and Future. Frontiers in Microbiology, 2018, 9, 2161.	1.5	255
2	Dynamics of initial colonization of nonconserved perennial ryegrass by anaerobic fungi in the bovine rumen. FEMS Microbiology Ecology, 2008, 66, 537-545.	1.3	146
3	Temporal dynamics of the metabolically active rumen bacteria colonizing fresh perennial ryegrass. FEMS Microbiology Ecology, 2016, 92, fiv137.	1.3	108
4	Temporal Metagenomic and Metabolomic Characterization of Fresh Perennial Ryegrass Degradation by Rumen Bacteria. Frontiers in Microbiology, 2016, 7, 1854.	1.5	69
5	Characterization of antibiotic resistance genes in the species of the rumen microbiota. Nature Communications, 2019, 10, 5252.	5.8	68
6	The rumen microbiome: an underexplored resource for novel antimicrobial discovery. Npj Biofilms and Microbiomes, 2017, 3, 33.	2.9	51
7	Can rumen bacteria communicate to each other?. Microbiome, 2020, 8, 23.	4.9	43
8	Plant-based strategies towards minimising â€˜livestock's long shadowâ€™. Proceedings of the Nutrition Society, 2010, 69, 613-620.	0.4	41
9	Ruminal Prevotella spp. May Play an Important Role in the Conversion of Plant Lignans into Human Health Beneficial Antioxidants. PLoS ONE, 2014, 9, e87949.	1.1	38
10	Buwchitin: A Ruminal Peptide with Antimicrobial Potential against Enterococcus faecalis. Frontiers in Chemistry, 2017, 5, 51.	1.8	19
11	Using â€˜Omic Approaches to Compare Temporal Bacterial Colonization of Lolium perenne, Lotus corniculatus, and Trifolium pratense in the Rumen. Frontiers in Microbiology, 2018, 9, 2184.	1.5	19
12	Exploring the rumen fluid metabolome using liquid chromatography-high-resolution mass spectrometry and Molecular Networking. Scientific Reports, 2018, 8, 17971.	1.6	17
13	BioSAXS Measurements Reveal That Two Antimicrobial Peptides Induce Similar Molecular Changes in Gram-Negative and Gram-Positive Bacteria. Frontiers in Pharmacology, 2019, 10, 1127.	1.6	14
14	Welcome to Animal Microbiome. Animal Microbiome, 2019, 1, 1.	1.5	14
15	Resistome Analysis of Global Livestock and Soil Microbiomes. Frontiers in Microbiology, 0, 13, .	1.5	12
16	The rumen eukaryotome is a source of novel antimicrobial peptides with therapeutic potential. BMC Microbiology, 2021, 21, 105.	1.3	11
17	In silico identification of two peptides with antibacterial activity against multidrug-resistant Staphylococcus aureus. Npj Biofilms and Microbiomes, 2022, 8, .	2.9	11
18	In silico Screening Unveil the Great Potential of Ruminal Bacteria Synthesizing Lasso Peptides. Frontiers in Microbiology, 2020, 11, 576738.	1.5	10

#	Article	IF	Citations
19	Microbiomes attached to fresh perennial ryegrass are temporally resilient and adapt to changing ecological niches. Microbiome, 2021, 9, 143.	4.9	9
20	Phylogenetic systematics of Butyrivibrio and Pseudobutyrivibrio genomes illustrate vast taxonomic diversity, open genomes and an abundance of carbohydrate-active enzyme family isoforms. Microbial Genomics, 2021, 7, .	1.0	9
21	Whole-Genome Sequencing and Comparative Genomic Analysis of Antimicrobial Producing Streptococcus lutetiensis from the Rumen. Microorganisms, 2022, 10, 551.	1.6	2