

# Zhongtang Yu

## List of Publications by Year in descending order

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203  
papers

14,230  
citations

20817

60  
h-index

23533

111  
g-index

211  
all docs

211  
docs citations

211  
times ranked

13523  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved extraction of PCR-quality community DNA from digesta and fecal samples. <i>BioTechniques</i> , 2004, 36, 808-812.	1.8	1,342
2	Intestinal microbiome of poultry and its interaction with host and diet. <i>Gut Microbes</i> , 2014, 5, 108-119.	9.8	586
3	Comparisons of Different Hypervariable Regions of <i>rrs</i> Genes for Use in Fingerprinting of Microbial Communities by PCR-Denaturing Gradient Gel Electrophoresis. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4800-4806.	3.1	436
4	A meta-analysis of the microbial diversity observed in anaerobic digesters. <i>Bioresource Technology</i> , 2011, 102, 3730-3739.	9.6	411
5	Bacterial census of poultry intestinal microbiome. <i>Poultry Science</i> , 2013, 92, 671-683.	3.4	375
6	Development of an Assay to Quantify Rumen Ciliate Protozoal Biomass in Cows Using Real-Time PCR. <i>Journal of Nutrition</i> , 2004, 134, 3378-3384.	2.9	327
7	Status of the phylogenetic diversity census of ruminal microbiomes. <i>FEMS Microbiology Ecology</i> , 2011, 76, 49-63.	2.7	323
8	Dysbiosis of fecal microbiota in Crohn's disease patients as revealed by a custom phylogenetic microarray. <i>Inflammatory Bowel Diseases</i> , 2010, 16, 2034-2042.	1.9	314
9	Rumen methanogens and mitigation of methane emission by anti-methanogenic compounds and substances. <i>Journal of Animal Science and Biotechnology</i> , 2017, 8, 13.	5.3	293
10	Exposure to a social stressor disrupts the community structure of the colonic mucosa-associated microbiota. <i>BMC Microbiology</i> , 2014, 14, 189.	3.3	292
11	Effects of Essential Oils on Methane Production and Fermentation by, and Abundance and Diversity of, Rumen Microbial Populations. <i>Applied and Environmental Microbiology</i> , 2012, 78, 4271-4280.	3.1	279
12	Evaluation of different partial 16S rRNA gene sequence regions for phylogenetic analysis of microbiomes. <i>Journal of Microbiological Methods</i> , 2011, 84, 81-87.	1.6	274
13	Gut dysbiosis impairs recovery after spinal cord injury. <i>Journal of Experimental Medicine</i> , 2016, 213, 2603-2620.	8.5	236
14	Degradation of Polycyclic Aromatic Hydrocarbons at Low Temperature under Aerobic and Nitrate-Reducing Conditions in Enrichment Cultures from Northern Soils. <i>Applied and Environmental Microbiology</i> , 2003, 69, 275-284.	3.1	229
15	Development and Application of Real-Time PCR Assays for Quantification of <i>erm</i> Genes Conferring Resistance to Macrolides-Lincosamides-Streptogramin B in Livestock Manure and Manure Management Systems. <i>Applied and Environmental Microbiology</i> , 2007, 73, 4407-4416.	3.1	228
16	Electricity generation from cellulose by rumen microorganisms in microbial fuel cells. <i>Biotechnology and Bioengineering</i> , 2007, 97, 1398-1407.	3.3	213
17	Ruminal Nitrogen Metabolism: Perspectives for Integration of Microbiology and Nutrition for Dairy. <i>Journal of Dairy Science</i> , 2007, 90, E1-E16.	3.4	204
18	Critical evaluation of essential oils as rumen modifiers in ruminant nutrition: A review. <i>Science of the Total Environment</i> , 2016, 545-546, 556-568.	8.0	171

#	ARTICLE	IF	CITATIONS
19	Prediction of enteric methane production, yield, and intensity in dairy cattle using an intercontinental database. <i>Global Change Biology</i> , 2018, 24, 3368-3389.	9.5	166
20	Novel microbial diversity adherent to plant biomass in the herbivore gastrointestinal tract, as revealed by ribosomal intergenic spacer analysis and rrs gene sequencing. <i>Environmental Microbiology</i> , 2005, 7, 530-543.	3.8	164
21	Development and Application of Real-Time PCR Assays for Quantification of Genes Encoding Tetracycline Resistance. <i>Applied and Environmental Microbiology</i> , 2005, 71, 6926-6933.	3.1	161
22	Effect of external resistance on bacterial diversity and metabolism in cellulose-fed microbial fuel cells. <i>Bioresource Technology</i> , 2011, 102, 278-283.	9.6	161
23	Interrelations between the Microbiotas in the Litter and in the Intestines of Commercial Broiler Chickens. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6572-6582.	3.1	157
24	Evaluations of Different Hypervariable Regions of Archaeal 16S rRNA Genes in Profiling of Methanogens by <i>Archaea</i> -Specific PCR and Denaturing Gradient Gel Electrophoresis. <i>Applied and Environmental Microbiology</i> , 2008, 74, 889-893.	3.1	137
25	Effects of Methanogenic Inhibitors on Methane Production and Abundances of Methanogens and Cellulolytic Bacteria in <i>In Vitro</i> Ruminal Cultures. <i>Applied and Environmental Microbiology</i> , 2011, 77, 2634-2639.	3.1	124
26	Metagenomic Insights into the Carbohydrate-Active Enzymes Carried by the Microorganisms Adhering to Solid Digesta in the Rumen of Cows. <i>PLoS ONE</i> , 2013, 8, e78507.	2.5	123
27	Biological conversion of methane to liquid fuels: Status and opportunities. <i>Biotechnology Advances</i> , 2014, 32, 1460-1475.	11.7	123
28	Putting microbes to work in sequence: Recent advances in temperature-phased anaerobic digestion processes. <i>Bioresource Technology</i> , 2010, 101, 9409-9414.	9.6	120
29	Review of current <i>in vivo</i> measurement techniques for quantifying enteric methane emission from ruminants. <i>Animal Feed Science and Technology</i> , 2016, 219, 13-30.	2.2	120
30	Invited review: Nitrogen in ruminant nutrition: A review of measurement techniques. <i>Journal of Dairy Science</i> , 2019, 102, 5811-5852.	3.4	120
31	Sustainable power generation from bacterio-algal microbial fuel cells (MFCs): An overview. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 75-84.	16.4	118
32	Reactor performance and microbial community dynamics during solid-state anaerobic digestion of corn stover at mesophilic and thermophilic conditions. <i>Bioresource Technology</i> , 2013, 136, 574-581.	9.6	116
33	Design, implementation and interpretation of <i>in vitro</i> batch culture experiments to assess enteric methane mitigation in ruminants—a review. <i>Animal Feed Science and Technology</i> , 2016, 216, 1-18.	2.2	114
34	Comparison of different liquid anaerobic digestion effluents as inocula and nitrogen sources for solid-state batch anaerobic digestion of corn stover. <i>Waste Management</i> , 2013, 33, 26-32.	7.4	109
35	Intestinal Microbiota of Broiler Chickens As Affected by Litter Management Regimens. <i>Frontiers in Microbiology</i> , 2016, 7, 593.	3.5	109
36	Biological conversion of biogas to methanol using methanotrophs isolated from solid-state anaerobic digestate. <i>Bioresource Technology</i> , 2016, 201, 50-57.	9.6	107

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37	Comparison of the microbial communities in solid-state anaerobic digestion (SS-AD) reactors operated at mesophilic and thermophilic temperatures. <i>Applied Microbiology and Biotechnology</i> , 2015, 99, 969-980.	3.6	104
38	Green tea extract prevents obesity in male mice by alleviating gut dysbiosis in association with improved intestinal barrier function that limits endotoxin translocation and adipose inflammation. <i>Journal of Nutritional Biochemistry</i> , 2019, 67, 78-89.	4.2	104
39	Killing two birds with one stone: simultaneous extraction of DNA and RNA from activated sludge biomass. <i>Canadian Journal of Microbiology</i> , 1999, 45, 269-272.	1.7	103
40	Symposium review: Uncertainties in enteric methane inventories, measurement techniques, and prediction models. <i>Journal of Dairy Science</i> , 2018, 101, 6655-6674.	3.4	103
41	Effects of vanillin, quillaja saponin, and essential oils on in vitro fermentation and protein-degrading microorganisms of the rumen. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 897-905.	3.6	93
42	The structures of the colonic mucosa-associated and luminal microbial communities are distinct and differentially affected by a prolonged murine stressor. <i>Gut Microbes</i> , 2014, 5, 748-760.	9.8	91
43	Bacterial Diversity and Community Structure in an Aerated Lagoon Revealed by Ribosomal Intergenic Spacer Analyses and 16S Ribosomal DNA Sequencing. <i>Applied and Environmental Microbiology</i> , 2001, 67, 1565-1574.	3.1	86
44	Occurrence and Persistence of Erythromycin Resistance Genes ( <i>erm</i> ) and Tetracycline Resistance Genes ( <i>tet</i> ) in Waste Treatment Systems on Swine Farms. <i>Microbial Ecology</i> , 2010, 60, 479-486.	2.8	86
45	Essential oils affect populations of some rumen bacteria in vitro as revealed by microarray (RumenBactArray) analysis. <i>Frontiers in Microbiology</i> , 2015, 6, 297.	3.5	84
46	RUMINANT NUTRITION SYMPOSIUM: How to use data on the rumen microbiome to improve our understanding of ruminant nutrition <sup>1,2</sup> . <i>Journal of Animal Science</i> , 2015, 93, 1450-1470.	0.5	80
47	Suppression of methanogenesis in cellulose-fed microbial fuel cells in relation to performance, metabolite formation, and microbial population. <i>Bioresource Technology</i> , 2013, 129, 281-288.	9.6	77
48	Full adoption of the most effective strategies to mitigate methane emissions by ruminants can help meet the 1.5°C target by 2030 but not 2050. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2111294119.	7.1	77
49	Evaluation of a Real-Time PCR Assay Quantifying the Ruminal Pool Size and Duodenal Flow of Protozoal Nitrogen. <i>Journal of Dairy Science</i> , 2005, 88, 2083-2095.	3.4	75
50	Evaluation of different essential oils in modulating methane and ammonia production, rumen fermentation, and rumen bacteria in vitro. <i>Animal Feed Science and Technology</i> , 2016, 215, 25-36.	2.2	75
51	Persistence of Resistance to Erythromycin and Tetracycline in Swine Manure During Simulated Composting and Lagoon Treatments. <i>Microbial Ecology</i> , 2012, 63, 32-40.	2.8	74
52	Combinations of nitrate, saponin, and sulfate additively reduce methane production by rumen cultures in vitro while not adversely affecting feed digestion, fermentation or microbial communities. <i>Bioresource Technology</i> , 2014, 155, 129-135.	9.6	73
53	Manipulation of rumen fermentation and ecology of swamp buffalo by coconut oil and garlic powder supplementation. <i>Livestock Science</i> , 2011, 135, 84-92.	1.6	72
54	Effects of microbial and non-microbial factors of liquid anaerobic digestion effluent as inoculum on solid-state anaerobic digestion of corn stover. <i>Bioresource Technology</i> , 2014, 157, 188-196.	9.6	72

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55	Effects of coconut and fish oils on ruminal methanogenesis, fermentation, and abundance and diversity of microbial populations in vitro. <i>Journal of Dairy Science</i> , 2013, 96, 1782-1792.	3.4	70
56	The Microbiota of Recreational Freshwaters and the Implications for Environmental and Public Health. <i>Frontiers in Microbiology</i> , 2016, 7, 1826.	3.5	70
57	Selected Antimicrobial Resistance during Composting of Manure from Cattle Administered Subtherapeutic Antimicrobials. <i>Journal of Environmental Quality</i> , 2009, 38, 567-575.	2.0	68
58	Effects of nitrate on methane production, fermentation, and microbial populations in in vitro ruminal cultures. <i>Bioresource Technology</i> , 2012, 103, 173-179.	9.6	68
59	Recent advances in understanding resin acid biodegradation: microbial diversity and metabolism. <i>Archives of Microbiology</i> , 1999, 172, 131-138.	2.2	66
60	Effective reduction of enteric methane production by a combination of nitrate and saponin without adverse effect on feed degradability, fermentation, or bacterial and archaeal communities of the rumen. <i>Bioresource Technology</i> , 2013, 148, 352-360.	9.6	65
61	Monensin and Nisin Affect Rumen Fermentation and Microbiota Differently In Vitro. <i>Frontiers in Microbiology</i> , 2017, 8, 1111.	3.5	63
62	Steam explosion enhances digestibility and fermentation of corn stover by facilitating ruminal microbial colonization. <i>Bioresource Technology</i> , 2018, 253, 244-251.	9.6	62
63	Stability of the bacterial community in a pulp mill effluent treatment system during normal operation and a system shutdown. <i>Water Research</i> , 2003, 37, 4873-4884.	11.3	60
64	Spatial and temporal variations of microbial community in a mixed plug-flow loop reactor fed with dairy manure. <i>Microbial Biotechnology</i> , 2014, 7, 332-346.	4.2	60
65	Role of interferon- $\beta$ in immunity to herpes simplex virus. <i>Journal of Leukocyte Biology</i> , 1996, 60, 528-532.	3.3	58
66	Effects of Adaptation of In vitro Rumen Culture to Garlic Oil, Nitrate, and Saponin and Their Combinations on Methanogenesis, Fermentation, and Abundances and Diversity of Microbial Populations. <i>Frontiers in Microbiology</i> , 2015, 6, 1434.	3.5	58
67	Serial analysis of ribosomal sequence tags (SARST): a high-throughput method for profiling complex microbial communities. <i>Environmental Microbiology</i> , 2003, 6, 131-144.	3.8	57
68	Prediction of enteric methane production, yield and intensity of beef cattle using an intercontinental database. <i>Agriculture, Ecosystems and Environment</i> , 2019, 283, 106575.	5.3	57
69	Technical note: Specific PCR amplification of protozoal 18S rDNA sequences from DNA extracted from ruminal samples of cows <sup>1</sup> . <i>Journal of Animal Science</i> , 2003, 81, 812-815.	0.5	54
70	Effects of quillaja and yucca saponins on communities and select populations of rumen bacteria and archaea, and fermentation in vitro. <i>Journal of Applied Microbiology</i> , 2012, 113, 1329-1340.	3.1	54
71	Bioaugmentation with the resin acid-degrading bacterium <i>Zoogloea resiniphila</i> DhA-35 to counteract pH stress in an aerated lagoon treating pulp and paper mill effluent. <i>Water Research</i> , 2002, 36, 2793-2801.	11.3	52
72	Epigallocatechin gallate but not catechin prevents nonalcoholic steatohepatitis in mice similar to green tea extract while differentially affecting the gut microbiota. <i>Journal of Nutritional Biochemistry</i> , 2020, 84, 108455.	4.2	52

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73	Isolation of a methanotroph from a hydrogen sulfide-rich anaerobic digester for methanol production from biogas. <i>Process Biochemistry</i> , 2016, 51, 838-844.	3.7	51
74	The microbiome driving anaerobic digestion and microbial analysis. <i>Advances in Bioenergy</i> , 2020, 5, 1-61.	1.3	50
75	Populations of Select Cultured and Uncultured Bacteria in the Rumen of Sheep and the Effect of Diets and Ruminal Fractions. <i>International Journal of Microbiology</i> , 2011, 2011, 1-8.	2.3	49
76	Bioaugmentation with resin-acid-degrading bacteria enhances resin acid removal in sequencing batch reactors treating pulp mill effluents. <i>Water Research</i> , 2001, 35, 883-890.	11.3	48
77	Cell Surface Enzyme Attachment Is Mediated by Family 37 Carbohydrate-Binding Modules, Unique to <i>Ruminococcus albus</i> . <i>Journal of Bacteriology</i> , 2008, 190, 8220-8222.	2.2	48
78	An Efficient RNA Extraction Method for Estimating Gut Microbial Diversity by Polymerase Chain Reaction. <i>Current Microbiology</i> , 2009, 58, 464-471.	2.2	47
79	Impact of different ratios of feedstock to liquid anaerobic digestion effluent on the performance and microbiome of solid-state anaerobic digesters digesting corn stover. <i>Bioresource Technology</i> , 2016, 200, 744-752.	9.6	47
80	Sequential batch thermophilic solid-state anaerobic digestion of lignocellulosic biomass via recirculating digestate as inoculum – Part II: Microbial diversity and succession. <i>Bioresource Technology</i> , 2017, 241, 1027-1035.	9.6	47
81	Do Ruminal Ciliates Select Their Preys and Prokaryotic Symbionts?. <i>Frontiers in Microbiology</i> , 2018, 9, 1710.	3.5	47
82	Novel Glycoside Hydrolases Identified by Screening a Chinese Holstein Dairy Cow Rumen-Derived Metagenome Library. <i>Applied and Environmental Microbiology</i> , 2010, 76, 6701-6705.	3.1	45
83	Effects of garlic oil, nitrate, saponin and their combinations supplemented to different substrates on <i>in vitro</i> fermentation, ruminal methanogenesis, and abundance and diversity of microbial populations. <i>Journal of Applied Microbiology</i> , 2015, 119, 127-138.	3.1	45
84	Shifts in microbial community structure of granular and liquid biomass in response to changes to infeed and digester design in anaerobic digesters receiving food-processing wastes. <i>Bioresource Technology</i> , 2012, 107, 135-143.	9.6	44
85	Improved serial analysis of V1 ribosomal sequence tags (SARST-V1) provides a rapid, comprehensive, sequence-based characterization of bacterial diversity and community composition. <i>Environmental Microbiology</i> , 2006, 8, 603-611.	3.8	43
86	A phylogenetic census of global diversity of gut anaerobic fungi and a new taxonomic framework. <i>Fungal Diversity</i> , 2018, 89, 253-266.	12.3	43
87	Ruminal microbiota-host interaction and its effect on nutrient metabolism. <i>Animal Nutrition</i> , 2021, 7, 49-55.	5.1	43
88	Comparative Analysis of the Microbiota Between Sheep Rumen and Rabbit Cecum Provides New Insight Into Their Differential Methane Production. <i>Frontiers in Microbiology</i> , 2018, 9, 575.	3.5	42
89	Technical note: Occurrence in fecal microbiota of genes conferring resistance to both macrolide-lincosamide-streptogramin B and tetracyclines concomitant with feeding of beef cattle with tylosin1. <i>Journal of Animal Science</i> , 2008, 86, 2385-2391.	0.5	41
90	Phylogenetic diversity of bacterial communities in bovine rumen as affected by diets and microenvironments. <i>Folia Microbiologica</i> , 2011, 56, 453-458.	2.3	41

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91	Repeated inoculation with fresh rumen fluid before or during weaning modulates the microbiota composition and co-occurrence of the rumen and colon of lambs. <i>BMC Microbiology</i> , 2020, 20, 29.	3.3	41
92	“ Invited Review ” Metagenomic investigation of gastrointestinal microbiome in cattle. <i>Asian-Australasian Journal of Animal Sciences</i> , 2017, 30, 1515-1528.	2.4	41
93	Effects of Incremental Urea Supplementation on Rumen Fermentation, Nutrient Digestion, Plasma Metabolites, and Growth Performance in Fattening Lambs. <i>Animals</i> , 2019, 9, 652.	2.3	39
94	Apparent Contradiction: Psychrotolerant Bacteria from Hydrocarbon-Contaminated Arctic Tundra Soils That Degrade Diterpenoids Synthesized by Trees. <i>Applied and Environmental Microbiology</i> , 2000, 66, 5148-5154.	3.1	38
95	Characterization and performance of anodic mixed culture biofilms in submersed microbial fuel cells. <i>Bioelectrochemistry</i> , 2017, 113, 79-84.	4.6	38
96	DNA-based and culture-based characterization of a hydrocarbon-degrading consortium enriched from Arctic soil. <i>Canadian Journal of Microbiology</i> , 2001, 47, 1107-1115.	1.7	37
97	Assessment of Ruminal Bacterial Populations and Protozoal Generation Time in Cows Fed Different Methionine Sources. <i>Journal of Dairy Science</i> , 2007, 90, 798-809.	3.4	37
98	Effects of gas composition in headspace and bicarbonate concentrations in media on gas and methane production, degradability, and rumen fermentation using in vitro gas production techniques. <i>Journal of Dairy Science</i> , 2013, 96, 4592-4600.	3.4	37
99	Inhibition of methanogenesis by C <sub>1</sub> and C <sub>2</sub> polychlorinated aliphatic hydrocarbons. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 2212-2217.	4.3	36
100	Application of Recent DNA/RNA-based Techniques in Rumen Ecology. <i>Asian-Australasian Journal of Animal Sciences</i> , 2007, 20, 283-294.	2.4	36
101	Considerations and best practices in animal science 16S ribosomal RNA gene sequencing microbiome studies. <i>Journal of Animal Science</i> , 2022, 100, .	0.5	36
102	Estrogen status alters tissue distribution and metabolism of selenium in female rats. <i>Journal of Nutritional Biochemistry</i> , 2012, 23, 532-538.	4.2	34
103	Isolation and characterization of thermophilic bacteria capable of degrading dehydroabiatic acid. <i>Canadian Journal of Microbiology</i> , 1999, 45, 513-519.	1.7	33
104	Variations in 16S rRNA-based microbiome profiling between pyrosequencing runs and between pyrosequencing facilities. <i>Journal of Microbiology</i> , 2014, 52, 355-365.	2.8	33
105	Monitoring the Size and Metabolic Activity of the Bacterial Community during Biostimulation of Fuel-Contaminated Soil using Competitive PCR and RT-PCR. <i>Microbial Ecology</i> , 2001, 42, 267-273.	2.8	32
106	Intestinal-level anti-inflammatory bioactivities of catechin-rich green tea: Rationale, design, and methods of a double-blind, randomized, placebo-controlled crossover trial in metabolic syndrome and healthy adults. <i>Contemporary Clinical Trials Communications</i> , 2020, 17, 100495.	1.1	32
107	Development and evaluation of a trickle bed bioreactor for enhanced mass transfer and methanol production from biogas. <i>Biochemical Engineering Journal</i> , 2017, 122, 103-114.	3.6	31
108	Amish (Rural) vs. non-Amish (Urban) Infant Fecal Microbiotas Are Highly Diverse and Their Transplantation Lead to Differences in Mucosal Immune Maturation in a Humanized Germfree Piglet Model. <i>Frontiers in Immunology</i> , 2019, 10, 1509.	4.8	31

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109	Quantitative Assessment of the Tetracycline Resistance Gene Pool in Cheese Samples by Real-Time TaqMan PCR. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1676-1677.	3.1	30
110	Investigating unsaturated fat, monensin, or bromoethanesulfonate in continuous cultures retaining ruminal protozoa. II. Interaction of treatment and presence of protozoa on prokaryotic communities. <i>Journal of Dairy Science</i> , 2009, 92, 3861-3873.	3.4	30
111	Dietary supplementation of <i>Rosmarinus officinalis</i> L. leaves in sheep affects the abundance of rumen methanogens and other microbial populations. <i>Journal of Animal Science and Biotechnology</i> , 2016, 7, 27.	5.3	30
112	Methanol Production from Biogas with a Thermotolerant Methanotrophic Consortium Isolated from an Anaerobic Digestion System. <i>Energy &amp; Fuels</i> , 2017, 31, 2970-2975.	5.1	28
113	Hydrogen and volatile fatty acid production during fermentation of cellulosic substrates by a thermophilic consortium at 50 and 60°C. <i>Bioresource Technology</i> , 2012, 104, 424-431.	9.6	27
114	Prebiotic Oligosaccharides: Comparative Evaluation Using <i>In Vitro</i> Cultures of Infants' Fecal Microbiomes. <i>Applied and Environmental Microbiology</i> , 2014, 80, 7388-7397.	3.1	27
115	Supplementation with sodium butyrate improves growth and antioxidant function in dairy calves before weaning. <i>Journal of Animal Science and Biotechnology</i> , 2021, 12, 2.	5.3	27
116	Changes in diversity of cultured bacteria resistant to erythromycin and tetracycline in swine manure during simulated composting and lagoon storage. <i>Letters in Applied Microbiology</i> , 2015, 61, 245-251.	2.2	26
117	Relative importance of <i>Microcystis</i> abundance and diversity in determining microcystin dynamics in Lake Erie coastal wetland and downstream beach water. <i>Journal of Applied Microbiology</i> , 2016, 120, 138-151.	3.1	26
118	Rumen fermentation and microbial community composition influenced by live <i>Enterococcus faecium</i> supplementation. <i>AMB Express</i> , 2019, 9, 123.	3.0	26
119	Extending Burk Dehority's Perspectives on the Role of Ciliate Protozoa in the Rumen. <i>Frontiers in Microbiology</i> , 2020, 11, 123.	3.5	26
120	Abundance of pathogens in the gut and litter of broiler chickens as affected by bacitracin and litter management. <i>Veterinary Microbiology</i> , 2013, 166, 595-601.	1.9	24
121	Effect of pH buffering capacity and sources of dietary sulfur on rumen fermentation, sulfide production, methane production, sulfate reducing bacteria, and total Archaea in <i>in vitro</i> rumen cultures. <i>Bioresource Technology</i> , 2015, 186, 25-33.	9.6	24
122	Inhibition of the Rumen Ciliate <i>Entodinium caudatum</i> by Antibiotics. <i>Frontiers in Microbiology</i> , 2017, 8, 1189.	3.5	24
123	Dietary energy sources and levels shift the multi-kingdom microbiota and functions in the rumen of lactating dairy cows. <i>Journal of Animal Science and Biotechnology</i> , 2020, 11, 66.	5.3	24
124	Isolation and characterization of two thermophilic cellulolytic strains of <i>Clostridium thermocellum</i> from a compost sample. <i>Journal of Applied Microbiology</i> , 2013, 114, 1001-1007.	3.1	23
125	Silage quality and preservation of <i>Urtica cannabina</i> ensiled alone and with additive treatment. <i>Grass and Forage Science</i> , 2014, 69, 405-414.	2.9	23
126	Quantitative comparisons of select cultured and uncultured microbial populations in the rumen of cattle fed different diets. <i>Journal of Animal Science and Biotechnology</i> , 2012, 3, 28.	5.3	22



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127	Investigation of ruminal bacterial diversity in dairy cattle fed supplementary monensin alone and in combination with fat, using pyrosequencing analysis. <i>Canadian Journal of Microbiology</i> , 2014, 60, 65-71.	1.7	22
128	The transcriptome of the rumen ciliate <i>Entodinium caudatum</i> reveals some of its metabolic features. <i>BMC Genomics</i> , 2019, 20, 1008.	2.8	22
129	Quantitative Analysis of Intestinal Bacterial Populations From Term Infants Fed Formula Supplemented With Fructo-oligosaccharides. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012, 55, 314-320.	1.8	21
130	Evaluation of the performance of existing mathematical models predicting enteric methane emissions from ruminants: Animal categories and dietary mitigation strategies. <i>Animal Feed Science and Technology</i> , 2019, 255, 114-207.	2.2	21
131	Occurrence of Two Resin Acid-Degrading Bacteria and a Gene Encoding Resin Acid Biodegradation in Pulp and Paper Mill Effluent Biotreatment Systems Assayed by PCR. <i>Microbial Ecology</i> , 1999, 38, 114-125.	2.8	20
132	Evaluation of system performances and microbial communities of two temperature-phased anaerobic digestion systems treating dairy manure. <i>Bioresource Technology</i> , 2013, 143, 431-438.	9.6	20
133	Simultaneous Power Generation and Desalination of Microbial Desalination Cells Using <i>Nannochloropsis salina</i> (Marine Algae) Versus Potassium Ferricyanide as Catholytes. <i>Environmental Engineering Science</i> , 2017, 34, 185-196.	1.6	20
134	Repeated Inoculation of Young Calves With Rumen Microbiota Does Not Significantly Modulate the Rumen Prokaryotic Microbiota Consistently but Decreases Diarrhea. <i>Frontiers in Microbiology</i> , 2020, 11, 1403.	3.5	20
135	The macronuclear genome of anaerobic ciliate <i>Entodinium caudatum</i> reveals its biological features adapted to the distinct rumen environment. <i>Genomics</i> , 2021, 113, 1416-1427.	2.9	20
136	Evaluation of system performance and microbial communities of a temperature-phased anaerobic digestion system treating dairy manure: Thermophilic digester operated at acidic pH. <i>Bioresource Technology</i> , 2013, 142, 625-632.	9.6	19
137	Dynamics of bacterial community in solid-state fermented feed revealed by 16S rRNA. <i>Letters in Applied Microbiology</i> , 2009, 49, 166-172.	2.2	18
138	Draft Macronuclear Genome Sequence of the Ruminal Ciliate <i>Entodinium caudatum</i> . <i>Microbiology Resource Announcements</i> , 2018, 7, .	0.6	18
139	Dietary Bioactive Lipid Compounds Rich in Menthol Alter Interactions Among Members of Ruminal Microbiota in Sheep. <i>Frontiers in Microbiology</i> , 2019, 10, 2038.	3.5	18
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