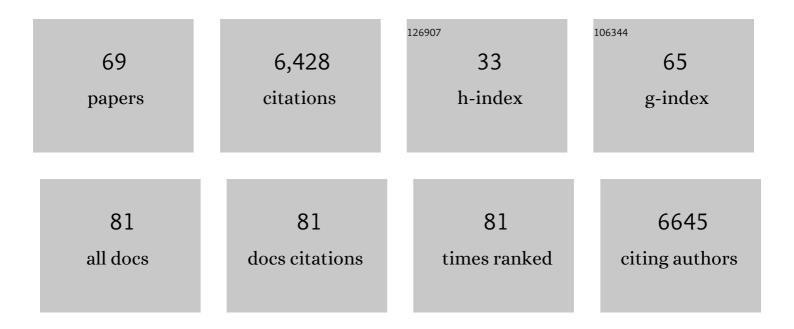
Itzhak Mizrahi

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/783295/publications.pdf Version: 2024-02-01



Ιτζηλκ Μιζρληι

#	Article	IF	CITATIONS
1	Exploring the bovine rumen bacterial community from birth to adulthood. ISME Journal, 2013, 7, 1069-1079.	9.8	799
2	Specific microbiome-dependent mechanisms underlie the energy harvest efficiency of ruminants. ISME Journal, 2016, 10, 2958-2972.	9.8	564
3	Composition and Similarity of Bovine Rumen Microbiota across Individual Animals. PLoS ONE, 2012, 7, e33306.	2.5	508
4	Potential Role of the Bovine Rumen Microbiome in Modulating Milk Composition and Feed Efficiency. PLoS ONE, 2014, 9, e85423.	2.5	417
5	Tracking heavy water (D ₂ O) incorporation for identifying and sorting active microbial cells. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E194-203.	7.1	359
6	FEAST: fast expectation-maximization for microbial source tracking. Nature Methods, 2019, 16, 627-632.	19.0	275
7	Addressing Global Ruminant Agricultural Challenges Through Understanding the Rumen Microbiome: Past, Present, and Future. Frontiers in Microbiology, 2018, 9, 2161.	3.5	255
8	A heritable subset of the core rumen microbiome dictates dairy cow productivity and emissions. Science Advances, 2019, 5, eaav8391.	10.3	218
9	Calcium Handling in Human Induced Pluripotent Stem Cell Derived Cardiomyocytes. PLoS ONE, 2011, 6, e18037.	2.5	165
10	Towards lactic acid bacteria-based biorefineries. Biotechnology Advances, 2014, 32, 1216-1236.	11.7	152
11	Insights into the bovine rumen plasmidome. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5452-5457.	7.1	145
12	The rumen microbiome: balancing food security and environmental impacts. Nature Reviews Microbiology, 2021, 19, 553-566.	28.6	143
13	Emergence of plasmid stability under non-selective conditions maintains antibiotic resistance. Nature Communications, 2019, 10, 2595.	12.8	141
14	Man-made microbial resistances in built environments. Nature Communications, 2019, 10, 968.	12.8	128
15	Recycler: an algorithm for detecting plasmids from <i>de novo</i> assembly graphs. Bioinformatics, 2017, 33, 475-482.	4.1	117
16	Stochasticity constrained by deterministic effects of diet and age drive rumen microbiome assembly dynamics. Nature Communications, 2020, 11, 1904.	12.8	117
17	Host genetic selection for cold tolerance shapes microbiome composition and modulates its response to temperature. ELife, 2018, 7, .	6.0	113
18	Heritable Bovine Rumen Bacteria Are Phylogenetically Related and Correlated with the Cow's Capacity To Harvest Energy from Its Feed. MBio, 2017, 8, .	4.1	110

Itzhak Mizrahi

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19	Generating lineage-resolved, complete metagenome-assembled genomes from complex microbial communities. Nature Biotechnology, 2022, 40, 711-719.	17.5	99
20	Core gut microbial communities are maintained by beneficial interactions and strain variability in fish. Nature Microbiology, 2019, 4, 2456-2465.	13.3	98
21	The Road Not Taken: The Rumen Microbiome, Functional Groups, and Community States. Trends in Microbiology, 2019, 27, 538-549.	7.7	92
22	Islands in the stream: from individual to communal fiber degradation in the rumen ecosystem. FEMS Microbiology Reviews, 2019, 43, 362-379.	8.6	88
23	Auto-deconvolution and molecular networking of gas chromatography–mass spectrometry data. Nature Biotechnology, 2021, 39, 169-173.	17.5	78
24	Context-dependent dynamics lead to the assembly of functionally distinct microbial communities. Nature Communications, 2020, 11, 1440.	12.8	73
25	PlasClass improves plasmid sequence classification. PLoS Computational Biology, 2020, 16, e1007781.	3.2	67
26	Microbiome niche modification drives diurnal rumen community assembly, overpowering individual variability and diet effects. ISME Journal, 2018, 12, 2446-2457.	9.8	66
27	Dietâ€induced changes of redox potential underlie compositional shifts in the rumen archaeal community. Environmental Microbiology, 2017, 19, 174-184.	3.8	53
28	Similarity of the ruminal bacteria across individual lactating cows. Anaerobe, 2012, 18, 338-343.	2.1	49
29	Segregational Drift and the Interplay between Plasmid Copy Number and Evolvability. Molecular Biology and Evolution, 2019, 36, 472-486.	8.9	46
30	Compositional and functional dynamics of the bovine rumen methanogenic community across different developmental stages. Environmental Microbiology, 2017, 19, 3365-3373.	3.8	43
31	Transcriptome Analysis Reveals Common and Differential Response to Low Temperature Exposure Between Tolerant and Sensitive Blue Tilapia (Oreochromis aureus). Frontiers in Genetics, 2019, 10, 100.	2.3	43
32	Establishment of a Simple Lactobacillus plantarum Cell Consortium for Cellulase-Xylanase Synergistic Interactions. Applied and Environmental Microbiology, 2013, 79, 5242-5249.	3.1	42
33	Modeling the temporal dynamics of the gut microbial community in adults and infants. PLoS Computational Biology, 2019, 15, e1006960.	3.2	42
34	A combined cell-consortium approach for lignocellulose degradation by specialized Lactobacillus plantarumcells. Biotechnology for Biofuels, 2014, 7, 112.	6.2	40
35	A method for purifying high quality and high yield plasmid DNA for metagenomic and deep sequencing approaches. Journal of Microbiological Methods, 2013, 95, 272-279.	1.6	38
36	Insights Into Culturomics of the Rumen Microbiome. Frontiers in Microbiology, 2018, 9, 1999.	3.5	35

Itzhak Mizrahi

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37	GNPS Dashboard: collaborative exploration of mass spectrometry data in the web browser. Nature Methods, 2022, 19, 134-136.	19.0	35
38	Rumen Symbioses. , 2013, , 533-544.		33
39	Assembly of Synthetic Functional Cellulosomal Structures onto the Cell Surface of Lactobacillus plantarum, a Potent Member of the Gut Microbiome. Applied and Environmental Microbiology, 2018, 84, .	3.1	33
40	Broad phylogeny and functionality of cellulosomal components in the bovine rumen microbiome. Environmental Microbiology, 2017, 19, 185-197.	3.8	32
41	Short- and long-term low-salinity acclimation effects on the branchial and intestinal gene expression in the European seabass (Dicentrarchus labrax). Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2019, 231, 11-18.	1.8	32
42	Evaluation of Automated Ribosomal Intergenic Spacer Analysis for Bacterial Fingerprinting of Rumen Microbiome Compared to Pyrosequencing Technology. Pathogens, 2014, 3, 109-120.	2.8	31
43	Antibiotic effect and microbiome persistence vary along the European seabass gut. Scientific Reports, 2020, 10, 10003.	3.3	31
44	SCAPP: an algorithm for improved plasmid assembly in metagenomes. Microbiome, 2021, 9, 144.	11.1	31
45	On the oligomeric state of chloroplast chaperonin 10 and chaperonin 20. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2003, 1651, 76-84.	2.3	28
46	Effect of feeding ensiled mixture of pomegranate pulp and drier feeds on digestibility and milk performance in dairy cows. Journal of Dairy Research, 2016, 83, 35-41.	1.4	25
47	Protozoa populations are ecosystem engineers that shape prokaryotic community structure and function of the rumen microbial ecosystem. ISME Journal, 2022, 16, 1187-1197.	9.8	25
48	Unravelling plasmidome distribution and interaction with its hosting microbiome. Environmental Microbiology, 2020, 22, 32-44.	3.8	22
49	Differential effects of co-chaperonin homologs on cpn60 oligomers. Cell Stress and Chaperones, 2009, 14, 509-519.	2.9	20
50	Dietary salt levels affect digestibility, intestinal gene expression, and the microbiome, in Nile tilapia (Oreochromis niloticus). PLoS ONE, 2018, 13, e0202351.	2.5	20
51	Involvement of the Pta-AckA pathway in protein folding and aggregation. Research in Microbiology, 2009, 160, 80-84.	2.1	19
52	Lysozyme activity of the <scp> <i>R</i> </scp> <i>uminococcus champanellensis</i> cellulosome. Environmental Microbiology, 2016, 18, 5112-5122.	3.8	19
53	Requirement for the acetyl phosphate pathway in Escherichia coli ATP-dependent proteolysis. Molecular Microbiology, 2006, 62, 201-211.	2.5	16
54	Concepts and Consequences of a Core Gut Microbiota for Animal Growth and Development. Annual Review of Animal Biosciences, 2022, 10, 177-201.	7.4	16

#	Article	IF	CITATIONS
55	Scalable Production of Cardiomyocytes Derived from c-Myc Free Induced Pluripotent Stem Cells. Tissue Engineering - Part A, 2011, 17, 1027-1037.	3.1	15

56 Involvement of dietary salt in shaping bacterial communities in European sea bass (Dicentrarchus) Tj ETQq0 0 0 rgBT Overlock 10 Tf 50

57	Functional phylotyping approach for assessing intraspecific diversity of Ruminococcus albus within the rumen microbiome. FEMS Microbiology Letters, 2015, 362, 1-10.	1.8	12
58	Mammalian gut metabolomes mirror microbiome composition and host phylogeny. ISME Journal, 2022, 16, 1262-1274.	9.8	12
59	Diet Supplementation With Pomegranate Peel Extract Altered Odorants Emission From Fresh and Incubated Calves' Feces. Frontiers in Sustainable Food Systems, 2018, 2, .	3.9	11
60	The Role of the Rumen Microbiota in Determining the Feed Efficiency of Dairy Cows. , 2012, , 203-210.		8
61	The rumen plasmidome. Mobile Genetic Elements, 2012, 2, 152-153.	1.8	7
62	Cell-surface display of designer cellulosomes by Lactobacillus plantarum. Methods in Enzymology, 2019, 617, 241-263.	1.0	6
63	Potential Use of Toxic Thermolabile Proteins To Study Protein Quality Control Systems. Applied and Environmental Microbiology, 2007, 73, 5951-5953.	3.1	5
64	Rapid adaptation for fibre degradation by changes in plasmid stoichiometry within <i>Lactobacillus plantarum</i> at the synthetic community level. Microbial Biotechnology, 2020, 13, 1748-1764.	4.2	5
65	Nanoscale resolution of microbial fiber degradation in action. ELife, 0, 11, .	6.0	5
66	Rumen Plasmids. , 2013, , 105-120.		3
67	A method to the madness. EMBO Reports, 2021, 22, e52269.	4.5	2
68	Host-rumen microbiome interactions and influences on feed conversion efficiency (FCE), methane production and other productivity traits. Burleigh Dodds Series in Agricultural Science, 2020, , 547-566.	0.2	2
69	Tools for the study of protein quality control systems: Use of truncated homoserine trans-succinylase as a model substrate for ATP-dependent proteolysis in Escherichia coli. Journal of Microbiological Methods, 2007, 70, 82-85.	1.6	1