

Ehsan Khafipour

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9418822/publications.pdf>

Version: 2024-02-01

109
papers

6,361
citations

61945

43
h-index

69214

77
g-index

113
all docs

113
docs citations

113
times ranked

7022
citing authors

#	ARTICLE	IF	CITATIONS
1	A grain-based subacute ruminal acidosis challenge causes translocation of lipopolysaccharide and triggers inflammation. <i>Journal of Dairy Science</i> , 2009, 92, 1060-1070.	1.4	439
2	Rumen Microbiome Composition Determined Using Two Nutritional Models of Subacute Ruminal Acidosis. <i>Applied and Environmental Microbiology</i> , 2009, 75, 7115-7124.	1.4	434
3	Composition and Variation of the Human Milk Microbiota Are Influenced by Maternal and Early-Life Factors. <i>Cell Host and Microbe</i> , 2019, 25, 324-335.e4.	5.1	343
4	Subacute ruminal acidosis (SARA), endotoxins and health consequences. <i>Animal Feed Science and Technology</i> , 2012, 172, 9-21.	1.1	242
5	Effects of subacute ruminal acidosis challenges on fermentation and endotoxins in the rumen and hindgut of dairy cows. <i>Journal of Dairy Science</i> , 2012, 95, 294-303.	1.4	227
6	Acute dextran sulfate sodium (DSS)-induced colitis promotes gut microbial dysbiosis in mice. <i>Journal of Basic Microbiology</i> , 2016, 56, 986-998.	1.8	208
7	Alfalfa pellet-induced subacute ruminal acidosis in dairy cows increases bacterial endotoxin in the rumen without causing inflammation. <i>Journal of Dairy Science</i> , 2009, 92, 1712-1724.	1.4	190
8	Pyrosequencing Reveals the Influence of Organic and Conventional Farming Systems on Bacterial Communities. <i>PLoS ONE</i> , 2012, 7, e51897.	1.1	188
9	External Influence of Early Childhood Establishment of Gut Microbiota and Subsequent Health Implications. <i>Frontiers in Pediatrics</i> , 2014, 2, 109.	0.9	181
10	Invited review: Microbiota of the bovine udder: Contributing factors and potential implications for udder health and mastitis susceptibility. <i>Journal of Dairy Science</i> , 2018, 101, 10605-10625.	1.4	159
11	Development of Ruminal and Fecal Microbiomes Are Affected by Weaning But Not Weaning Strategy in Dairy Calves. <i>Frontiers in Microbiology</i> , 2016, 7, 582.	1.5	148
12	Breastmilk Feeding Practices Are Associated with the Co-Occurrence of Bacteria in Mothers' Milk and the Infant Gut: the CHILD Cohort Study. <i>Cell Host and Microbe</i> , 2020, 28, 285-297.e4.	5.1	148
13	Antepartum Antibiotic Treatment Increases Offspring Susceptibility to Experimental Colitis: A Role of the Gut Microbiota. <i>PLoS ONE</i> , 2015, 10, e0142536.	1.1	137
14	High Molecular Weight Barley β -Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk. <i>Frontiers in Microbiology</i> , 2016, 7, 129.	1.5	133
15	Induction of Subacute Ruminal Acidosis Affects the Ruminal Microbiome and Epithelium. <i>Frontiers in Microbiology</i> , 2016, 7, 701.	1.5	131
16	Changes in Microbiota in Rumen Digesta and Feces Due to a Grain-Based Subacute Ruminal Acidosis (SARA) Challenge. <i>Microbial Ecology</i> , 2017, 74, 485-495.	1.4	122
17	Comparison of DNA-, PMA-, and RNA-based 16S rRNA Illumina sequencing for detection of live bacteria in water. <i>Scientific Reports</i> , 2017, 7, 5752.	1.6	116
18	Review: Enhancing gastrointestinal health in dairy cows. <i>Animal</i> , 2018, 12, s399-s418.	1.3	116

#	ARTICLE	IF	CITATIONS
19	Impact of combined β -glucanase and xylanase enzymes on growth performance, nutrients utilization and gut microbiota in broiler chickens fed corn or wheat-based diets. <i>Poultry Science</i> , 2016, 95, 528-540.	1.5	105
20	Detection of Antibiotic Resistance Genes in Source and Drinking Water Samples from a First Nations Community in Canada. <i>Applied and Environmental Microbiology</i> , 2016, 82, 4767-4775.	1.4	103
21	Effects of grain feeding on microbiota in the digestive tract of cattle. <i>Animal Frontiers</i> , 2016, 6, 13-19.	0.8	97
22	Nutritional Models of Experimentally-Induced Subacute Ruminal Acidosis (SARA) Differ in Their Impact on Rumen and Hindgut Bacterial Communities in Dairy Cows. <i>Frontiers in Microbiology</i> , 2016, 7, 2128.	1.5	97
23	An extended single-index multiplexed 16S rRNA sequencing for microbial community analysis on MiSeq illumina platforms. <i>Journal of Basic Microbiology</i> , 2016, 56, 321-326.	1.8	93
24	The Prebiotic and Probiotic Properties of Human Milk: Implications for Infant Immune Development and Pediatric Asthma. <i>Frontiers in Pediatrics</i> , 2018, 6, 197.	0.9	91
25	Weaning age influences the severity of gastrointestinal microbiome shifts in dairy calves. <i>Scientific Reports</i> , 2017, 7, 198.	1.6	87
26	Central Muscarinic Cholinergic Activation Alters Interaction between Splenic Dendritic Cell and CD4+CD25- T Cells in Experimental Colitis. <i>PLoS ONE</i> , 2014, 9, e109272.	1.1	80
27	Indicators of induced subacute ruminal acidosis (SARA) in Danish Holstein cows. <i>Acta Veterinaria Scandinavica</i> , 2015, 57, 39.	0.5	75
28	Integrated Analysis of Human Milk Microbiota With Oligosaccharides and Fatty Acids in the CHILD Cohort. <i>Frontiers in Nutrition</i> , 2019, 6, 58.	1.6	74
29	Characterization of <i>Escherichia coli</i> isolated from gut biopsies of newly diagnosed patients with inflammatory bowel disease. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 1451-1463.	0.9	72
30	Consumption of Acidic Water Alters the Gut Microbiome and Decreases the Risk of Diabetes in NOD Mice. <i>Journal of Histochemistry and Cytochemistry</i> , 2014, 62, 237-250.	1.3	66
31	Short Term High Fat Diet Induces Obesity-Enhancing Changes in Mouse Gut Microbiota That are Partially Reversed by Cessation of the High Fat Diet. <i>Lipids</i> , 2017, 52, 499-511.	0.7	66
32	Interactions between Obesity Status and Dietary Intake of Monounsaturated and Polyunsaturated Oils on Human Gut Microbiome Profiles in the Canola Oil Multicenter Intervention Trial (COMIT). <i>Frontiers in Microbiology</i> , 2016, 7, 1612.	1.5	64
33	Common Distribution of <i>gad</i> Operon in <i>Lactobacillus brevis</i> and its <i>GadA</i> Contributes to Efficient GABA Synthesis toward Cytosolic Near-Neutral pH. <i>Frontiers in Microbiology</i> , 2017, 8, 206.	1.5	61
34	Linking Peripartal Dynamics of Ruminal Microbiota to Dietary Changes and Production Parameters. <i>Frontiers in Microbiology</i> , 2017, 7, 2143.	1.5	58
35	Population structure of rumen <i>Escherichia coli</i> associated with subacute ruminal acidosis (SARA) in dairy cattle. <i>Journal of Dairy Science</i> , 2011, 94, 351-360.	1.4	57
36	Assessment of complementary feeding of Canadian infants: effects on microbiome & oxidative stress, a randomized controlled trial. <i>BMC Pediatrics</i> , 2017, 17, 54.	0.7	57

#	ARTICLE	IF	CITATIONS
37	Mycobacterium avium Subspecies paratuberculosis Infection Modifies Gut Microbiota under Different Dietary Conditions in a Rabbit Model. <i>Frontiers in Microbiology</i> , 2016, 7, 446.	1.5	56
38	Metagenomic analysis of rumen microbial population in dairy heifers fed a high grain diet supplemented with dicarboxylic acids or polyphenols. <i>BMC Veterinary Research</i> , 2016, 12, 29.	0.7	55
39	Impact of <i>Saccharomyces cerevisiae</i> fermentation product and subacute ruminal acidosis on production, inflammation, and fermentation in the rumen and hindgut of dairy cows. <i>Animal Feed Science and Technology</i> , 2016, 211, 50-60.	1.1	52
40	Co-fermentation of glucose, starch, and cellulose for mesophilic biohydrogen production. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 20958-20967.	3.8	51
41	Feeding practice influences gut microbiome composition in very low birth weight preterm infants and the association with oxidative stress: A prospective cohort study. <i>Free Radical Biology and Medicine</i> , 2019, 142, 146-154.	1.3	50
42	Carrageenan Gum and Adherent Invasive <i>Escherichia coli</i> in a Piglet Model of Inflammatory Bowel Disease: Impact on Intestinal Mucosa-associated Microbiota. <i>Frontiers in Microbiology</i> , 2016, 7, 462.	1.5	48
43	Composition of the teat canal and intramammary microbiota of dairy cows subjected to antimicrobial dry cow therapy and internal teat sealant. <i>Journal of Dairy Science</i> , 2018, 101, 10191-10205.	1.4	46
44	The Features of Fecal and Ileal Mucosa-Associated Microbiota in Dairy Calves during Early Infection with <i>Mycobacterium avium</i> Subspecies paratuberculosis. <i>Frontiers in Microbiology</i> , 2016, 7, 426.	1.5	44
45	Effect of live yeast <i>Saccharomyces cerevisiae</i> (Actisaf Sc 47) supplementation on the performance and hindgut microbiota composition of weanling pigs. <i>Scientific Reports</i> , 2018, 8, 5315.	1.6	44
46	Evaluation of diagnostic measures for subacute ruminal acidosis in dairy cows. <i>Canadian Journal of Animal Science</i> , 2012, 92, 353-364.	0.7	43
47	Impact of xylanases on gut microbiota of growing pigs fed corn- or wheat-based diets. <i>Animal Nutrition</i> , 2018, 4, 339-350.	2.1	41
48	Reactivation of Intestinal Inflammation Is Suppressed by Catestatin in a Murine Model of Colitis via M1 Macrophages and Not the Gut Microbiota. <i>Frontiers in Immunology</i> , 2017, 8, 985.	2.2	38
49	Association of bovine major histocompatibility complex (BoLA) gene polymorphism with colostrum and milk microbiota of dairy cows during the first week of lactation. <i>Microbiome</i> , 2018, 6, 203.	4.9	38
50	Human Catestatin Alters Gut Microbiota Composition in Mice. <i>Frontiers in Microbiology</i> , 2016, 7, 2151.	1.5	37
51	Bacteria in drinking water sources of a First Nation reserve in Canada. <i>Science of the Total Environment</i> , 2017, 575, 813-819.	3.9	32
52	Composition and co-occurrence patterns of the microbiota of different niches of the bovine mammary gland: potential associations with mastitis susceptibility, udder inflammation, and teat-end hyperkeratosis. <i>Animal Microbiome</i> , 2020, 2, 11.	1.5	32
53	Dietary supplementation with flaxseed meal and oat hulls modulates intestinal histomorphometric characteristics, digesta- and mucosa-associated microbiota in pigs. <i>Scientific Reports</i> , 2018, 8, 5880.	1.6	30
54	Grain-based versus alfalfa-based subacute ruminal acidosis induction experiments: Similarities and differences between changes in milk fatty acids. <i>Journal of Dairy Science</i> , 2013, 96, 4100-4111.	1.4	29

#	ARTICLE	IF	CITATIONS
55	Associations between digital dermatitis lesion grades in dairy cattle and the quantities of four <i>Treponema</i> species. <i>Veterinary Research</i> , 2018, 49, 111.	1.1	28
56	Human milk fungi: environmental determinants and inter-kingdom associations with milk bacteria in the CHILD Cohort Study. <i>BMC Microbiology</i> , 2020, 20, 146.	1.3	28
57	Impact of Saskatoon berry powder on insulin resistance and relationship with intestinal microbiota in high fat high sucrose diet-induced obese mice. <i>Journal of Nutritional Biochemistry</i> , 2019, 69, 130-138.	1.9	25
58	Monitoring Survivability and Infectivity of Porcine Epidemic Diarrhea Virus (PEDv) in the Infected On-Farm Earthen Manure Storages (EMS). <i>Frontiers in Microbiology</i> , 2016, 7, 265.	1.5	23
59	Effect of crowding stress and <i>Escherichia coli</i> K88+ challenge in nursery pigs supplemented with anti- <i>Escherichia coli</i> K88+ probiotics. <i>Journal of Animal Science</i> , 2014, 92, 2017-2029.	0.2	22
60	<i>Saccharomyces cerevisiae</i> fermentation products (SCFP) stabilize the ruminal microbiota of lactating dairy cows during periods of a depressed rumen pH. <i>BMC Veterinary Research</i> , 2020, 16, 237.	0.7	22
61	Use of dicarboxylic acids and polyphenols to attenuate reticular pH drop and acute phase response in dairy heifers fed a high grain diet. <i>BMC Veterinary Research</i> , 2014, 10, 277.	0.7	21
62	Characterization of the rumen and fecal microbiome in bloated and non-bloated cattle grazing alfalfa pastures and subjected to bloat prevention strategies. <i>Scientific Reports</i> , 2019, 9, 4272.	1.6	20
63	Response of Microbial Community to Induced Failure of Anaerobic Digesters Through Overloading With Propionic Acid Followed by Process Recovery. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 604838.	2.0	20
64	Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. <i>PLoS ONE</i> , 2016, 11, e0150943.	1.1	20
65	Effect of headspace carbon dioxide sequestration on microbial biohydrogen communities. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 9966-9976.	3.8	18
66	Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. <i>Journal of Immunology</i> , 2017, 199, 312-322.	0.4	18
67	Diet induced changes in the microbiota and cell composition of rabbit gut associated lymphoid tissue (GALT). <i>Scientific Reports</i> , 2018, 8, 14103.	1.6	18
68	Comparison of feed intake, body weight gain, enteric methane emission and relative abundance of rumen microbes in steers fed sainfoin and lucerne silages under western Canadian conditions. <i>Grass and Forage Science</i> , 2015, 70, 116-129.	1.2	17
69	Interactions of <i>Saccharomyces cerevisiae</i> fermentation product and in-feed antibiotic on gastrointestinal and immunological responses in piglets challenged with <i>Escherichia coli</i> K88+1. <i>Journal of Animal Science</i> , 2012, 90, 1-3.	0.2	16
70	Biological observations in microbiota analysis are robust to the choice of 16S rRNA gene sequencing processing algorithm: case study on human milk microbiota. <i>BMC Microbiology</i> , 2020, 20, 290.	1.3	15
71	<i>Saccharomyces cerevisiae</i> fermentation products reduce bacterial endotoxin concentrations and inflammation during grain-based subacute ruminal acidosis in lactating dairy cows. <i>Journal of Dairy Science</i> , 2022, 105, 2354-2368.	1.4	14
72	Interrelationships of Fiber-Associated Anaerobic Fungi and Bacterial Communities in the Rumen of Bloated Cattle Grazing Alfalfa. <i>Microorganisms</i> , 2020, 8, 1543.	1.6	13

#	ARTICLE	IF	CITATIONS
73	Repeatability and reproducibility assessment in a large-scale population-based microbiota study: case study on human milk microbiota. <i>Microbiome</i> , 2021, 9, 41.	4.9	13
74	Significance of acclimatization for biohydrogen production from synthetic lignocellulose hydrolysate in continuous-flow systems. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 14003-14014.	3.8	11
75	Amniotic fluid proteomic signatures of cervical insufficiency and their association with length of latency. <i>American Journal of Reproductive Immunology</i> , 2018, 80, e13030.	1.2	11
76	Free endotoxins in the feces of lactating dairy cows. <i>Canadian Journal of Animal Science</i> , 2010, 90, 591-594.	0.7	10
77	Detection of fecal bacteria and antibiotic resistance genes in drinking water collected from three First Nations communities in Manitoba, Canada. <i>FEMS Microbiology Letters</i> , 2019, 366, .	0.7	10
78	Effects of <i>Saccharomyces cerevisiae</i> fermentation products and subacute ruminal acidosis on feed intake, fermentation, and nutrient digestibilities in lactating dairy cows. <i>Canadian Journal of Animal Science</i> , 2021, 101, 143-157.	0.7	10
79	Effects of the dietary grain content on rumen and fecal microbiota of dairy cows. <i>Canadian Journal of Animal Science</i> , 2021, 101, 274-286.	0.7	10
80	Effects of grain-pellet and alfalfa-pellet subacute ruminal acidosis (SARA) challenges on feeding behaviour of lactating dairy cows. <i>Canadian Journal of Animal Science</i> , 2011, 91, 323-330.	0.7	8
81	Combined effects of chitosan and microencapsulated <i>Enterococcus faecalis</i> CG1.0007 probiotic supplementation on performance and diarrhea incidences in enterotoxigenic <i>Escherichia coli</i> K88 + challenged piglets. <i>Animal Nutrition</i> , 2017, 3, 366-371.	2.1	8
82	Denosumab Regulates Gut Microbiota Composition and Cytokines in Dinitrobenzene Sulfonic Acid (DNBS)-Experimental Colitis. <i>Frontiers in Microbiology</i> , 2020, 11, 1405.	1.5	8
83	Effect of <i>Propionibacterium acidipropionici</i> P169 on the rumen and faecal microbiota of beef cattle fed a maize-based finishing diet. <i>Beneficial Microbes</i> , 2017, 8, 785-799.	1.0	7
84	The impact of epidermal growth factor supernatant on pig performance and ileal microbiota. <i>Translational Animal Science</i> , 2018, 2, 184-194.	0.4	7
85	High molecular weight barley β -glucan supports bacterial populations beneficial for gut health (647.45). <i>FASEB Journal</i> , 2014, 28, 647.45.	0.2	7
86	The Duration of Increased Grain Feeding Affects the Microbiota throughout the Digestive Tract of Yearling Holstein Steers. <i>Microorganisms</i> , 2020, 8, 1854.	1.6	5
87	A Grain-Based SARA Challenge Affects the Composition of Epimural and Mucosa-Associated Bacterial Communities throughout the Digestive Tract of Dairy Cows. <i>Animals</i> , 2021, 11, 1658.	1.0	5
88	The Fecal Environment, <i>The Gut.</i> , 0, , 1-21.		5
89	Effects of dry period management on milk production, dry matter intake, and energy balance of dairy cows. <i>Canadian Journal of Animal Science</i> , 2015, 95, 433-444.	0.7	3
90	Tu1893 Human Catestatin Represses Reactivation of Intestinal Inflammation in a Murine Model of Colitis Through the M1 Macrophages and Not the Gut Microbiota. <i>Gastroenterology</i> , 2016, 150, S969.	0.6	3

#	ARTICLE	IF	CITATIONS
91	Effect of chicken egg anti-F4 antibodies on performance and diarrhea incidences in enterotoxigenic <i>Escherichia coli</i> K88 + -challenged piglets. <i>Animal Nutrition</i> , 2017, 3, 353-358.	2.1	3
92	Altering undigested neutral detergent fiber through additives applied in corn, whole barley crop, and alfalfa silages, and its effect on performance of lactating Holstein dairy cows. <i>Asian-Australasian Journal of Animal Sciences</i> , 2019, 32, 375-386.	2.4	3
93	Effects of dry period management and parity on rumen fermentation, blood metabolites, and liver triacylglyceride in dairy cows. <i>Canadian Journal of Animal Science</i> , 2015, 95, 445-453.	0.7	2
94	Increasing corn distillers solubles alters the liquid fraction of the ruminal microbiome. <i>Journal of Animal Science</i> , 2017, 95, 3540-3551.	0.2	2
95	73 Effect of subacute ruminal acidosis (SARA) and <i>Saccharomyces cerevisiae</i> fermentation products on gastrointestinal microbiome of dairy cows.. <i>Journal of Animal Science</i> , 2018, 96, 398-398.	0.2	2
96	397 Time Series and Correlation Network Analyses to Identify the Role of Maternal Microbiomes on Development of Piglet Gut Microbiome and Susceptibility to Neonatal Porcine Diarrhea.. <i>Journal of Animal Science</i> , 2018, 96, 213-213.	0.2	2
97	Microbial Population Change in Anaerobic Digestion during Copper Sulfate Inhibition and Recovery. <i>Transactions of the ASABE</i> , 2019, 62, 1231-1241.	1.1	2
98	Sustainable re-use of dairy cow manure as bedding and compost: Nutrients and self-heating potential. <i>Canadian Biosystems Engineering / Le Genie Des Biosystems Au Canada</i> , 2018, 60, 6.1-6.7.	0.3	2
99	Systems Biology and Ruminant Acidosis. , 2017, , 51-69.		1
100	757 Associations between gut, mammary and vaginal microbiomes in dairy cows: Role in health and disease. <i>Journal of Animal Science</i> , 2017, 95, 366-366.	0.2	1
101	Impact of Saskatoon Berry Powder on Insulin Resistance and Intestinal Microbiome in High-Fat, High-Sucrose Diet-Induced Obese and Insulin-Resistant Mice. <i>Canadian Journal of Diabetes</i> , 2018, 42, S31.	0.4	1
102	Effects of unsaturated fatty acids (USFA) on human gut microbiome profile in a subset of canola oil multicenter intervention trial (COMIT). <i>FASEB Journal</i> , 2013, 27, 1056.7.	0.2	1
103	The Manitoba Personalized Lifestyle Research (TMPLR) study protocol: a multicentre bidirectional observational cohort study with administrative health record linkage investigating the interactions between lifestyle and health in Manitoba, Canada. <i>BMJ Open</i> , 2019, 9, e023318.	0.8	1
104	Increasing corn distillers solubles alters the liquid fraction of the ruminal microbiome. <i>Journal of Animal Science</i> , 2017, 95, 3540.	0.2	1
105	365 Impact of nutrition on the ruminal microbiome and epithelial tissue. <i>Journal of Animal Science</i> , 2016, 94, 171-171.	0.2	0
106	Proteomic analysis of amniotic fluid from ten cases of cervical incompetence and its association with length of latency. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 721-722.	0.7	0
107	147 The inter-related physio-ecology of the gastrointestinal tract, the mammary gland and the reproductive system in dairy cattle and swine.. <i>Journal of Animal Science</i> , 2018, 96, 341-342.	0.2	0
108	17 - Role of Intestinal Microbiota in High Fat-High Sucrose Diet-Induced Insulin Resistance in Mice and Beneficial Effect of Saskatoon Berry Powder. <i>Canadian Journal of Diabetes</i> , 2019, 43, S7.	0.4	0

#	ARTICLE	IF	CITATIONS
109	Effects of feeding strategy and duration of the dry period on the rumen microbiota of dairy cows. Canadian Journal of Animal Science, 2020, 100, 346-358.	0.7	0