# Ehsan Khafipour

## List of Publications by Year in Descending Order



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| 102 papers | 4,161 citations | 36 h-index | 63 g-index |
| 113 ext. papers | 5,599 ext. citations | 4.1 avg, IF | 5.86 L-index |

| # | Paper | IF | Citations |
|---|---|---|---|
| 102 | Effects of the dietary grain content on rumen and fecal microbiota of dairy cows. *Canadian Journal of Animal Science*, **2021**, 101, 274-286 | 0.9 | 1 |
| 101 | Effects of Saccharomyces cerevisiae fermentation products and subacute ruminal acidosis on feed intake, fermentation, and nutrient digestibilities in lactating dairy cows. *Canadian Journal of Animal Science*, **2021**, 101, 143-157 | 0.9 | 3 |
| 100 | Repeatability and reproducibility assessment in a large-scale population-based microbiota study: case study on human milk microbiota. *Microbiome*, **2021**, 9, 41 | 16.6 | 3 |
| 99 | 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. *Animal Microbiome*, **2020**, 2, 11 | 4.1 | 13 |
| 98 | Human milk fungi: environmental determinants and inter-kingdom associations with milk bacteria in the CHILD Cohort Study. *BMC Microbiology*, **2020**, 20, 146 | 4.5 | 16 |
| 97 | Breastmilk Feeding Practices Are Associated with the Co-Occurrence of Bacteria in Mothers' Milk and the Infant Gut: the CHILD Cohort Study. *Cell Host and Microbe*, **2020**, 28, 285-297.e4 | 23.4 | 51 |
| 96 | 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 | 0.9 | |
| 95 | Interrelationships of Fiber-Associated Anaerobic Fungi and Bacterial Communities in the Rumen of Bloated Cattle Grazing Alfalfa. *Microorganisms*, **2020**, 8, | 4.9 | 4 |
| 94 | Saccharomyces cerevisiae fermentation products (SCFP) stabilize the ruminal microbiota of lactating dairy cows during periods of a depressed rumen pH. *BMC Veterinary Research*, **2020**, 16, 237 | 2.7 | 6 |
| 93 | Denosumab Regulates Gut Microbiota Composition and Cytokines in Dinitrobenzene Sulfonic Acid (DNBS)-Experimental Colitis. *Frontiers in Microbiology*, **2020**, 11, 1405 | 5.7 | 5 |
| 92 | Biological observations in microbiota analysis are robust to the choice of 16S rRNA gene sequencing processing algorithm: case study on human milk microbiota. *BMC Microbiology*, **2020**, 20, 290 | 4.5 | 6 |
| 91 | Response of Microbial Community to Induced Failure of Anaerobic Digesters Through Overloading With Propionic Acid Followed by Process Recovery. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 604838 | 5.8 | 7 |
| 90 | Integrated Analysis of Human Milk Microbiota With Oligosaccharides and Fatty Acids in the CHILD Cohort. *Frontiers in Nutrition*, **2019**, 6, 58 | 6.2 | 42 |
| 89 | Characterization of the rumen and fecal microbiome in bloated and non-bloated cattle grazing alfalfa pastures and subjected to bloat prevention strategies. *Scientific Reports*, **2019**, 9, 4272 | 4.9 | 9 |
| 88 | Feeding practice influences gut microbiome composition in very low birth weight preterm infants and the association with oxidative stress: A prospective cohort study. *Free Radical Biology and Medicine*, **2019**, 142, 146-154 | 7.8 | 23 |
| 87 | Detection of fecal bacteria and antibiotic resistance genes in drinking water collected from three First Nations communities in Manitoba, Canada. *FEMS Microbiology Letters*, **2019**, 366, | 2.9 | 6 |
| 86 | Impact of Saskatoon berry powder on insulin resistance and relationship with intestinal microbiota in high fat-high sucrose diet-induced obese mice. *Journal of Nutritional Biochemistry*, **2019**, 69, 130-138 | 6.3 | 16 |

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| 85 | 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. *Asian-Australasian Journal of Animal Sciences*, **2019**, 32, 375-386 | 2.4 | 3 |
| 84 | 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. *BMJ Open*, **2019**, 9, e023318 | 3 | 1 |
| 83 | Composition and Variation of the Human Milk Microbiota Are Influenced by Maternal and Early-Life Factors. *Cell Host and Microbe*, **2019**, 25, 324-335.e4 | 23.4 | 214 |
| 82 | Microbial Population Change in Anaerobic Digestion during Copper Sulfate Inhibition and Recovery. *Transactions of the ASABE*, **2019**, 62, 1231-1241 | 0.9 | 1 |
| 81 | Dietary supplementation with flaxseed meal and oat hulls modulates intestinal histomorphometric characteristics, digesta- and mucosa-associated microbiota in pigs. *Scientific Reports*, **2018**, 8, 5880 | 4.9 | 15 |
| 80 | Molecular and Omics Techniques for Studying Gut Microbiota Relevant to Food Animal Production **2018**, 71-94 | | |
| 79 | Effect of live yeast Saccharomyces cerevisiae (Actisaf Sc 47) supplementation on the performance and hindgut microbiota composition of weanling pigs. *Scientific Reports*, **2018**, 8, 5315 | 4.9 | 29 |
| 78 | The Prebiotic and Probiotic Properties of Human Milk: Implications for Infant Immune Development and Pediatric Asthma. *Frontiers in Pediatrics*, **2018**, 6, 197 | 3.4 | 52 |
| 77 | Amniotic fluid proteomic signatures of cervical insufficiency and their association with length of latency. *American Journal of Reproductive Immunology*, **2018**, 80, e13030 | 3.8 | 7 |
| 76 | Review: Enhancing gastrointestinal health in dairy cows. *Animal*, **2018**, 12, s399-s418 | 3.1 | 56 |
| 75 | 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.. *Journal of Animal Science*, **2018**, 96, 213-213 | 0.7 | 2 |
| 74 | 73 Effect of subacute ruminal acidosis (SARA) and Saccharomyces cerevisiae fermentation products on gastrointestinal microbiome of dairy cows.. *Journal of Animal Science*, **2018**, 96, 398-398 | 0.7 | 1 |
| 73 | Association of bovine major histocompatibility complex (BoLA) gene polymorphism with colostrum and milk microbiota of dairy cows during the first week of lactation. *Microbiome*, **2018**, 6, 203 | 16.6 | 19 |
| 72 | Associations between digital dermatitis lesion grades in dairy cattle and the quantities of four Treponema species. *Veterinary Research*, **2018**, 49, 111 | 3.8 | 16 |
| 71 | 147 The inter-related physio-ecology of the gastrointestinal tract, the mammary gland and the reproductive system in dairy cattle and swine.. *Journal of Animal Science*, **2018**, 96, 341-342 | 0.7 | 78 |
| 70 | The impact of epidermal growth factor supernatant on pig performance and ileal microbiota. *Translational Animal Science*, **2018**, 2, 184-194 | 1.4 | 5 |
| 69 | Diet induced changes in the microbiota and cell composition of rabbit gut associated lymphoid tissue (GALT). *Scientific Reports*, **2018**, 8, 14103 | 4.9 | 14 |
| 68 | Invited review: Microbiota of the bovine udder: Contributing factors and potential implications for udder health and mastitis susceptibility. *Journal of Dairy Science*, **2018**, 101, 10605-10625 | 4 | 76 |

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| 67 | Composition of the teat canal and intramammary microbiota of dairy cows subjected to antimicrobial dry cow therapy and internal teat sealant. *Journal of Dairy Science*, **2018**, 101, 10191-10205 | 4 | 24 |
| 66 | Impact of xylanases on gut microbiota of growing pigs fed corn- or wheat-based diets. *Animal Nutrition*, **2018**, 4, 339-350 | 4.8 | 25 |
| 65 | Assessment of complementary feeding of Canadian infants: effects on microbiome & oxidative stress, a randomized controlled trial. *BMC Pediatrics*, **2017**, 17, 54 | 2.6 | 33 |
| 64 | Changes in Microbiota in Rumen Digesta and Feces Due to a Grain-Based Subacute Ruminal Acidosis (SARA) Challenge. *Microbial Ecology*, **2017**, 74, 485-495 | 4.4 | 76 |
| 63 | Short Term High Fat Diet Induces Obesity-Enhancing Changes in Mouse Gut Microbiota That are Partially Reversed by Cessation of the High Fat Diet. *Lipids*, **2017**, 52, 499-511 | 1.6 | 41 |
| 62 | Selective Induction of Homeostatic Th17 Cells in the Murine Intestine by Cholera Toxin Interacting with the Microbiota. *Journal of Immunology*, **2017**, 199, 312-322 | 5.3 | 11 |
| 61 | Weaning age influences the severity of gastrointestinal microbiome shifts in dairy calves. *Scientific Reports*, **2017**, 7, 198 | 4.9 | 58 |
| 60 | Combined effects of chitosan and microencapsulated CG1.0007 probiotic supplementation on performance and diarrhea incidences in enterotoxigenic K88 challenged piglets. *Animal Nutrition*, **2017**, 3, 366-371 | 4.8 | 6 |
| 59 | Effect of Propionibacterium acidipropionici P169 on the rumen and faecal microbiota of beef cattle fed a maize-based finishing diet. *Beneficial Microbes*, **2017**, 8, 785-799 | 4.9 | 1 |
| 58 | Increasing corn distillers solubles alters the liquid fraction of the ruminal microbiome. *Journal of Animal Science*, **2017**, 95, 3540-3551 | 0.7 | 0 |
| 57 | Comparison of DNA-, PMA-, and RNA-based 16S rRNA Illumina sequencing for detection of live bacteria in water. *Scientific Reports*, **2017**, 7, 5752 | 4.9 | 60 |
| 56 | Effect of chicken egg anti-F4 antibodies on performance and diarrhea incidences in enterotoxigenic K88-challenged piglets. *Animal Nutrition*, **2017**, 3, 353-358 | 4.8 | 3 |
| 55 | Bacteria in drinking water sources of a First Nation reserve in Canada. *Science of the Total Environment*, **2017**, 575, 813-819 | 10.2 | 25 |
| 54 | Systems Biology and Ruminal Acidosis **2017**, 51-69 | | 0 |
| 53 | 757 Associations between gut, mammary and vaginal microbiomes in dairy cows: Role in health and disease. *Journal of Animal Science*, **2017**, 95, 366-366 | 0.7 | 1 |
| 52 | Reactivation of Intestinal Inflammation Is Suppressed by Catestatin in a Murine Model of Colitis M1 Macrophages and Not the Gut Microbiota. *Frontiers in Immunology*, **2017**, 8, 985 | 8.4 | 24 |
| 51 | Common Distribution of Operon in and its GadA Contributes to Efficient GABA Synthesis toward Cytosolic Near-Neutral pH. *Frontiers in Microbiology*, **2017**, 8, 206 | 5.7 | 34 |
| 50 | Metagenomic analysis of rumen microbial population in dairy heifers fed a high grain diet supplemented with dicarboxylic acids or polyphenols. *BMC Veterinary Research*, **2016**, 12, 29 | 2.7 | 44 |

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| 49 | An extended single-index multiplexed 16S rRNA sequencing for microbial community analysis on MiSeq illumina platforms. *Journal of Basic Microbiology*, **2016**, 56, 321-6 | 2.7 | 76 |
| 48 | 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. *Poultry Science*, **2016**, 95, 528-40 | 3.9 | 64 |
| 47 | Impact of Saccharomyces cerevisiae fermentation product and subacute ruminal acidosis on production, inflammation, and fermentation in the rumen and hindgut of dairy cows. *Animal Feed Science and Technology*, **2016**, 211, 50-60 | 3 | 35 |
| 46 | Nutritional Models of Experimentally-Induced Subacute Ruminal Acidosis (SARA) Differ in Their Impact on Rumen and Hindgut Bacterial Communities in Dairy Cows. *Frontiers in Microbiology*, **2016**, 7, 2128 | 5.7 | 44 |
| 45 | Linking Peripartal Dynamics of Ruminal Microbiota to Dietary Changes and Production Parameters. *Frontiers in Microbiology*, **2016**, 7, 2143 | 5.7 | 30 |
| 44 | Human Catestatin Alters Gut Microbiota Composition in Mice. *Frontiers in Microbiology*, **2016**, 7, 2151 | 5.7 | 20 |
| 43 | Deletion of the Toll-Like Receptor 5 Gene Per Se Does Not Determine the Gut Microbiome Profile That Induces Metabolic Syndrome: Environment Trumps Genotype. *PLoS ONE*, **2016**, 11, e0150943 | 3.7 | 13 |
| 42 | High Molecular Weight Barley β-Glucan Alters Gut Microbiota Toward Reduced Cardiovascular Disease Risk. *Frontiers in Microbiology*, **2016**, 7, 129 | 5.7 | 101 |
| 41 | Monitoring Survivability and Infectivity of Porcine Epidemic Diarrhea Virus (PEDv) in the Infected On-Farm Earthen Manure Storages (EMS). *Frontiers in Microbiology*, **2016**, 7, 265 | 5.7 | 14 |
| 40 | The Features of Fecal and Ileal Mucosa-Associated Microbiota in Dairy Calves during Early Infection with Mycobacterium avium Subspecies paratuberculosis. *Frontiers in Microbiology*, **2016**, 7, 426 | 5.7 | 36 |
| 39 | Mycobacterium avium Subspecies paratuberculosis Infection Modifies Gut Microbiota under Different Dietary Conditions in a Rabbit Model. *Frontiers in Microbiology*, **2016**, 7, 446 | 5.7 | 29 |
| 38 | Carrageenan Gum and Adherent Invasive Escherichia coli in a Piglet Model of Inflammatory Bowel Disease: Impact on Intestinal Mucosa-associated Microbiota. *Frontiers in Microbiology*, **2016**, 7, 462 | 5.7 | 34 |
| 37 | Development of Ruminal and Fecal Microbiomes Are Affected by Weaning But Not Weaning Strategy in Dairy Calves. *Frontiers in Microbiology*, **2016**, 7, 582 | 5.7 | 86 |
| 36 | Induction of Subacute Ruminal Acidosis Affects the Ruminal Microbiome and Epithelium. *Frontiers in Microbiology*, **2016**, 7, 701 | 5.7 | 77 |
| 35 | 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). *Frontiers in Microbiology*, **2016**, 7, 1612 | 5.7 | 50 |
| 34 | Significance of acclimatization for biohydrogen production from synthetic lignocellulose hydrolysate in continuous-flow systems. *International Journal of Hydrogen Energy*, **2016**, 41, 14003-14014 | 4.7 | 9 |
| 33 | Acute dextran sulfate sodium (DSS)-induced colitis promotes gut microbial dysbiosis in mice. *Journal of Basic Microbiology*, **2016**, 56, 986-98 | 2.7 | 117 |
| 32 | Effects of grain feeding on microbiota in the digestive tract of cattle. *Animal Frontiers*, **2016**, 6, 13-19 | 5.5 | 59 |

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| 31 | Detection of Antibiotic Resistance Genes in Source and Drinking Water Samples from a First Nations Community in Canada. *Applied and Environmental Microbiology*, **2016**, 82, 4767-4775 | 4.8 | 77 |
| 30 | Tu1893 Human Catestatin Represses Reactivation of Intestinal Inflammation in a Murine Model of Colitis Through the M1 Macrophages and Not the Gut Microbiota. *Gastroenterology*, **2016**, 150, S969 | 13.3 | 3 |
| 29 | Indicators of induced subacute ruminal acidosis (SARA) in Danish Holstein cows. *Acta Veterinaria Scandinavica*, **2015**, 57, 39 | 2 | 49 |
| 28 | Effect of headspace carbon dioxide sequestration on microbial biohydrogen communities. *International Journal of Hydrogen Energy*, **2015**, 40, 9966-9976 | 6.7 | 11 |
| 27 | Effects of dry period management and parity on rumen fermentation, blood metabolites, and liver triacylglyceride in dairy cows. *Canadian Journal of Animal Science*, **2015**, 95, 445-453 | 0.9 | 2 |
| 26 | Effects of dry period management on milk production, dry matter intake, and energy balance of dairy cows. *Canadian Journal of Animal Science*, **2015**, 95, 433-444 | 0.9 | 2 |
| 25 | 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. *Grass and Forage Science*, **2015**, 70, 116-129 | 2.3 | 13 |
| 24 | Antepartum Antibiotic Treatment Increases Offspring Susceptibility to Experimental Colitis: A Role of the Gut Microbiota. *PLoS ONE*, **2015**, 10, e0142536 | 3.7 | 81 |
| 23 | Co-fermentation of glucose, starch, and cellulose for mesophilic biohydrogen production. *International Journal of Hydrogen Energy*, **2014**, 39, 20958-20967 | 6.7 | 40 |
| 22 | Effect of crowding stress and Escherichia coli K88+ challenge in nursery pigs supplemented with anti-Escherichia coli K88+ probiotics. *Journal of Animal Science*, **2014**, 92, 2017-29 | 0.7 | 14 |
| 21 | External influence of early childhood establishment of gut microbiota and subsequent health implications. *Frontiers in Pediatrics*, **2014**, 2, 109 | 3.4 | 123 |
| 20 | Use of dicarboxylic acids and polyphenols to attenuate reticular pH drop and acute phase response in dairy heifers fed a high grain diet. *BMC Veterinary Research*, **2014**, 10, 277 | 2.7 | 17 |
| 19 | Consumption of acidic water alters the gut microbiome and decreases the risk of diabetes in NOD mice. *Journal of Histochemistry and Cytochemistry*, **2014**, 62, 237-50 | 3.4 | 55 |
| 18 | Central muscarinic cholinergic activation alters interaction between splenic dendritic cell and CD4+CD25- T cells in experimental colitis. *PLoS ONE*, **2014**, 9, e109272 | 3.7 | 55 |
| 17 | High molecular weight barley β-glucan supports bacterial populations beneficial for gut health (647.45). *FASEB Journal*, **2014**, 28, 647.45 | 0.9 | 4 |
| 16 | Grain-based versus alfalfa-based subacute ruminal acidosis induction experiments: Similarities and differences between changes in milk fatty acids. *Journal of Dairy Science*, **2013**, 96, 4100-11 | 4 | 24 |
| 15 | Effects of unsaturated fatty acids (USFA) on human gut microbiome profile in a subset of canola oil multicenter intervention trial (COMIT). *FASEB Journal*, **2013**, 27, 1056.7 | 0.9 | 1 |
| 14 | Effects of subacute ruminal acidosis challenges on fermentation and endotoxins in the rumen and hindgut of dairy cows. *Journal of Dairy Science*, **2012**, 95, 294-303 | 4 | 165 |

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| 13 | Subacute ruminal acidosis (SARA), endotoxins and health consequences. *Animal Feed Science and Technology*, **2012**, 172, 9-21 | 3 | 168 |
| 12 | Evaluation of diagnostic measures for subacute ruminal acidosis in dairy cows. *Canadian Journal of Animal Science*, **2012**, 92, 353-364 | 0.9 | 33 |
| 11 | Pyrosequencing reveals the influence of organic and conventional farming systems on bacterial communities. *PLoS ONE*, **2012**, 7, e51897 | 3.7 | 137 |
| 10 | Interactions of Saccharomyces cerevisiae fermentation product and in-feed antibiotic on gastrointestinal and immunological responses in piglets challenged with Escherichia coli K88+. *Journal of Animal Science*, **2012**, 90 Suppl 4, 1-3 | 0.7 | 7 |
| 9 | Population structure of rumen Escherichia coli associated with subacute ruminal acidosis (SARA) in dairy cattle. *Journal of Dairy Science*, **2011**, 94, 351-60 | 4 | 41 |
| 8 | Characterization of Escherichia coli isolated from gut biopsies of newly diagnosed patients with inflammatory bowel disease. *Inflammatory Bowel Diseases*, **2011**, 17, 1451-63 | 4.5 | 60 |
| 7 | Effects of grain-pellet and alfalfa-pellet subacute ruminal acidosis (SARA) challenges on feeding behaviour of lactating dairy cows. *Canadian Journal of Animal Science*, **2011**, 91, 323-330 | 0.9 | 6 |
| 6 | Free endotoxins in the feces of lactating dairy cows. *Canadian Journal of Animal Science*, **2010**, 90, 591-594 | 0.9 | 8 |
| 5 | Rumen microbiome composition determined using two nutritional models of subacute ruminal acidosis. *Applied and Environmental Microbiology*, **2009**, 75, 7115-24 | 4.8 | 338 |
| 4 | A grain-based subacute ruminal acidosis challenge causes translocation of lipopolysaccharide and triggers inflammation. *Journal of Dairy Science*, **2009**, 92, 1060-70 | 4 | 319 |
| 3 | Alfalfa pellet-induced subacute ruminal acidosis in dairy cows increases bacterial endotoxin in the rumen without causing inflammation. *Journal of Dairy Science*, **2009**, 92, 1712-24 | 4 | 138 |
| 2 | The Fecal Environment, The Gut1-21 | | 3 |
| 1 | Repeatability and reproducibility assessment in a large-scale population-based microbiota study: case study on human milk microbiota | | 1 |