Steven A Frese

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8164228/publications.pdf

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36 papers	2,614 citations	279701 23 h-index	377752 34 g-index
37 all docs	37 docs citations	37 times ranked	2989 citing authors

#	Article	IF	Citations
1	Diet shapes the gut microbiome of pigs during nursing and weaning. Microbiome, 2015, 3, 28.	4.9	387
2	Bifidobacteria-mediated immune system imprinting early in life. Cell, 2021, 184, 3884-3898.e11.	13.5	312
3	The Evolution of Host Specialization in the Vertebrate Gut Symbiont Lactobacillus reuteri. PLoS Genetics, 2011, 7, e1001314.	1.5	270
4	Molecular Characterization of Host-Specific Biofilm Formation in a Vertebrate Gut Symbiont. PLoS Genetics, 2013, 9, e1004057.	1.5	162
5	Persistence of Supplemented Bifidobacterium longum subsp. infantis EVC001 in Breastfed Infants. MSphere, 2017, 2, .	1.3	158
6	Cultivating Healthy Growth and Nutrition through the Gut Microbiota. Cell, 2015, 161, 36-48.	13.5	155
7	Oligosaccharides Released from Milk Glycoproteins Are Selective Growth Substrates for Infant-Associated Bifidobacteria. Applied and Environmental Microbiology, 2016, 82, 3622-3630.	1.4	124
8	Elevated Fecal pH Indicates a Profound Change in the Breastfed Infant Gut Microbiome Due to Reduction of Bifidobacterium over the Past Century. MSphere, 2018, 3, .	1.3	106
9	Peptidomic analysis reveals proteolytic activity of kefir microorganisms on bovine milk proteins. Food Chemistry, 2016, 197, 273-284.	4.2	103
10	Experimental Evaluation of Host Adaptation of Lactobacillus reuteri to Different Vertebrate Species. Applied and Environmental Microbiology, 2017, 83, .	1.4	87
11	Colonization by B. infantis EVC001 modulates enteric inflammation in exclusively breastfed infants. Pediatric Research, 2019, 86, 749-757.	1.1	78
12	Personalizing protein nourishment. Critical Reviews in Food Science and Nutrition, 2017, 57, 3313-3331.	5.4	65
13	Early-life gut microbiome modulation reduces the abundance of antibiotic-resistant bacteria. Antimicrobial Resistance and Infection Control, 2019, 8, 131.	1.5	63
14	Bifidobacterium infantis treatment promotes weight gain in Bangladeshi infants with severe acute malnutrition. Science Translational Medicine, 2022, 14, eabk1107.	5.8	61
15	In Vivo Selection To Identify Bacterial Strains with Enhanced Ecological Performance in Synbiotic Applications. Applied and Environmental Microbiology, 2015, 81, 2455-2465.	1.4	47
16	Comparative Genome Analysis of Bifidobacterium longum subsp. infantis Strains Reveals Variation in Human Milk Oligosaccharide Utilization Genes among Commercial Probiotics. Nutrients, 2020, 12, 3247.	1.7	46
17	Integrating the Ecosystem Services Framework to Define Dysbiosis of the Breastfed Infant Gut: The Role of B. infantis and Human Milk Oligosaccharides. Frontiers in Nutrition, 2020, 7, 33.	1.6	39
18	Reduced colonic mucin degradation in breastfed infants colonized by BifidobacteriumÂlongum subsp. infantis EVC001. FEBS Open Bio, 2018, 8, 1649-1657.	1.0	38

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19	Impact of Probiotic B. infantis EVC001 Feeding in Premature Infants on the Gut Microbiome, Nosocomially Acquired Antibiotic Resistance, and Enteric Inflammation. Frontiers in Pediatrics, 2021, 9, 618009.	0.9	38
20	Metagenomic insights of the infant microbiome community structure and function across multiple sites in the United States. Scientific Reports, 2021, 11, 1472.	1.6	37
21	Characterization of the ecological role of genes mediating acid resistance in <scp>L</scp>actobacillus reuteri during colonization of the gastrointestinal tract. Environmental Microbiology, 2016, 18, 2172-2184.	1.8	34
22	Early probiotic supplementation with B. infantis in breastfed infants leads to persistent colonization at 1 year. Pediatric Research, 2022, 91, 627-636.	1.1	31
23	Colonization of breastfed infants by Bifidobacterium longum subsp. infantis EVC001 reduces virulence gene abundance. Human Microbiome Journal, 2018, 9, 7-10.	3.8	28
24	GenCoF: a graphical user interface to rapidly remove human genome contaminants from metagenomic datasets. Bioinformatics, 2019, 35, 2318-2319.	1.8	28
25	A novel endo-Î²-N-acetylglucosaminidase releases specificN-glycans depending on different reaction conditions. Biotechnology Progress, 2015, 31, 1323-1330.	1.3	20
26	N-glycans from human milk glycoproteins are selectively released by an infant gut symbiont in vivo. Journal of Functional Foods, 2019, 61, 103485.	1.6	17
27	Birth of the Infant Gut Microbiome: Moms Deliver Twice!. Cell Host and Microbe, 2015, 17, 543-544.	5.1	15
28	Production of Bovine Colostrum for Human Consumption to Improve Health. Frontiers in Pharmacology, 2021, 12, 796824.	1.6	15
29	Thoroughbred mare's milk exhibits a unique and diverse free oligosaccharide profile. FEBS Open Bio, 2018, 8, 1219-1229.	1.0	14
30	Potential Applications of Endo-Î²-N-Acetylglucosaminidases From Bifidobacterium longum Subspecies infantis in Designing Value-Added, Next-Generation Infant Formulas. Frontiers in Nutrition, 2021, 8, 646275.	1.6	11
31	Bifidobacterium longum Subspecies infantis Strain EVC001 Decreases Neonatal Murine Necrotizing Enterocolitis. Nutrients, 2022, 14, 495.	1.7	8
32	Structural insights of two novel N-acetyl-glucosaminidase enzymes through in silico methods. Turkish Journal of Chemistry, 2020, 44, 1703-1712.	0.5	6
33	Should Infants Cry Over Spilled Milk? Fecal Glycomics as an Indicator of a Healthy Infant Gut Microbiome. Journal of Pediatric Gastroenterology and Nutrition, 2015, 60, 695-695.	0.9	4
34	Determining Total Protein and Bioactive Protein Concentrations in Bovine Colostrum. Journal of Visualized Experiments, 2021, , .	0.2	4
35	Recombinant Production of Bifidobacterial Endoglycosidases for N-glycan Release. Journal of Visualized Experiments, 2021, , .	0.2	2
36	Diarrhea, Dysbiosis, Dysfunction, and the Disastrous Global Health Consequences: Piecing the Puzzle Together. American Journal of Gastroenterology, 2022, 117, 98-99.	0.2	0