

# David A Mills

## List of Publications by Citations

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200  
papers

20,480  
citations

73  
h-index

141  
g-index

214  
ext. papers

25,215  
ext. citations

7.4  
avg, IF

6.95  
L-index

#	Paper	IF	Citations
200	Quality-filtering vastly improves diversity estimates from Illumina amplicon sequencing. <i>Nature Methods</i> , <b>2013</b> , 10, 57-9	21.6	2167
199	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , <b>2017</b> , 551, 457-463	50.4	1076
198	Comparative genomics of the lactic acid bacteria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 15611-6	11.5	1053
197	The genome sequence of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> reveals adaptations for milk utilization within the infant microbiome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 18964-9	11.5	610
196	Microbial biogeography of wine grapes is conditioned by cultivar, vintage, and climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E139-48	11.5	557
195	Human milk glycomiome and its impact on the infant gastrointestinal microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108 Suppl 1, 4653-8	11.5	466
194	The soil microbiome influences grapevine-associated microbiota. <i>MBio</i> , <b>2015</b> , 6,	7.8	465
193	Direct profiling of the yeast dynamics in wine fermentations. <i>FEMS Microbiology Letters</i> , <b>2000</b> , 189, 81-7	2.9	384
192	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , <b>2016</b> , 164, 859-71	56.2	370
191	Consumption of human milk oligosaccharides by gut-related microbes. <i>Journal of Agricultural and Food Chemistry</i> , <b>2010</b> , 58, 5334-40	5.7	348
190	Bacteroides in the infant gut consume milk oligosaccharides via mucus-utilization pathways. <i>Cell Host and Microbe</i> , <b>2011</b> , 10, 507-14	23.4	337
189	Nursing our microbiota: molecular linkages between bifidobacteria and milk oligosaccharides. <i>Trends in Microbiology</i> , <b>2010</b> , 18, 298-307	12.4	327
188	Improved selection of internal transcribed spacer-specific primers enables quantitative, ultra-high-throughput profiling of fungal communities. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 2519-26	4.8	292
187	Glycoprofiling of bifidobacterial consumption of human milk oligosaccharides demonstrates strain specific, preferential consumption of small chain glycans secreted in early human lactation. <i>Journal of Agricultural and Food Chemistry</i> , <b>2007</b> , 55, 8914-9	5.7	269
186	Genome analysis of <i>Bifidobacterium bifidum</i> PRL2010 reveals metabolic pathways for host-derived glycan foraging. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 19514-9	11.5	266
185	Breast milk oligosaccharides: structure-function relationships in the neonate. <i>Annual Review of Nutrition</i> , <b>2014</b> , 34, 143-69	9.9	264
184	Diet shapes the gut microbiome of pigs during nursing and weaning. <i>Microbiome</i> , <b>2015</b> , 3, 28	16.6	255

183	Prebiotics: why definitions matter. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 37, 1-7	11.4	245
182	Maternal fucosyltransferase 2 status affects the gut bifidobacterial communities of breastfed infants. <i>Microbiome</i> , <b>2015</b> , 3, 13	16.6	244
181	Stool microbiota and vaccine responses of infants. <i>Pediatrics</i> , <b>2014</b> , 134, e362-72	7.4	239
180	<i>Bifidobacterium longum</i> subspecies <i>infantis</i> : champion colonizer of the infant gut. <i>Pediatric Research</i> , <b>2015</b> , 77, 229-35	3.2	230
179	In vitro fermentation of breast milk oligosaccharides by <i>Bifidobacterium infantis</i> and <i>Lactobacillus gasseri</i> . <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 4497-9	4.8	222
178	Associations among Wine Grape Microbiome, Metabolome, and Fermentation Behavior Suggest Microbial Contribution to Regional Wine Characteristics. <i>MBio</i> , <b>2016</b> , 7,	7.8	205
177	Yeast diversity and persistence in botrytis-affected wine fermentations. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 4884-93	4.8	202
176	Simultaneous consumption of pentose and hexose sugars: an optimal microbial phenotype for efficient fermentation of lignocellulosic biomass. <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 88, 1077-85	5.7	193
175	Retrohoming of a bacterial group II intron: mobility via complete reverse splicing, independent of homologous DNA recombination. <i>Cell</i> , <b>1998</b> , 94, 451-62	56.2	191
174	In vitro fermentability of human milk oligosaccharides by several strains of bifidobacteria. <i>Molecular Nutrition and Food Research</i> , <b>2007</b> , 51, 1398-405	5.9	178
173	A microbial perspective of human developmental biology. <i>Nature</i> , <b>2016</b> , 535, 48-55	50.4	172
172	Facility-specific "house" microbiome drives microbial landscapes of artisan cheesemaking plants. <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 5214-23	4.8	170
171	<i>Bifidobacteria</i> isolated from infants and cultured on human milk oligosaccharides affect intestinal epithelial function. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2012</b> , 55, 321-7	2.8	163
170	Next-generation sequencing reveals significant bacterial diversity of botrytized wine. <i>PLoS ONE</i> , <b>2012</b> , 7, e36357	3.7	162
169	Variation in consumption of human milk oligosaccharides by infant gut-associated strains of <i>Bifidobacterium breve</i> . <i>Applied and Environmental Microbiology</i> , <b>2013</b> , 79, 6040-9	4.8	161
168	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697 $\alpha$ -fucosidases are active on fucosylated human milk oligosaccharides. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 795-803	4.8	154
167	Human milk oligosaccharides: evolution, structures and bioselectivity as substrates for intestinal bacteria. <i>Nestle Nutrition Workshop Series Paediatric Programme</i> , <b>2008</b> , 62, 205-18; discussion 218-22		154
166	Oligosaccharide binding proteins from <i>Bifidobacterium longum</i> subsp. <i>infantis</i> reveal a preference for host glycans. <i>PLoS ONE</i> , <b>2011</b> , 6, e17315	3.7	148

165	Consumption of human milk glycoconjugates by infant-associated bifidobacteria: mechanisms and implications. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 649-664	2.9	147
164	Broad conservation of milk utilization genes in <i>Bifidobacterium longum</i> subsp. <i>infantis</i> as revealed by comparative genomic hybridization. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 7373-81	4.8	147
163	Design and evaluation of PCR primers for analysis of bacterial populations in wine by denaturing gradient gel electrophoresis. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 6801-7	4.8	142
162	An infant-associated bacterial commensal utilizes breast milk sialyloligosaccharides. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 11909-18	5.4	140
161	Monitoring Seasonal Changes in Winery-Resident Microbiota. <i>PLoS ONE</i> , <b>2013</b> , 8, e66437	3.7	131
160	Human milk glycomics and gut microbial genomics in infant feces show a correlation between human milk oligosaccharides and gut microbiota: a proof-of-concept study. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 491-502	5.6	130
159	The human gut microbiota and undernutrition. <i>Science Translational Medicine</i> , <b>2012</b> , 4, 137ps12	17.5	128
158	Brewhouse-resident microbiota are responsible for multi-stage fermentation of American coolship ale. <i>PLoS ONE</i> , <b>2012</b> , 7, e35507	3.7	128
157	The influence of milk oligosaccharides on microbiota of infants: opportunities for formulas. <i>Annual Review of Food Science and Technology</i> , <b>2011</b> , 2, 331-51	14.7	126
156	Genomic analysis of <i>Oenococcus oeni</i> PSU-1 and its relevance to winemaking. <i>FEMS Microbiology Reviews</i> , <b>2005</b> , 29, 465-75	15.1	126
155	The impact of the milk glycobioime on the neonate gut microbiota. <i>Annual Review of Animal Biosciences</i> , <b>2015</b> , 3, 419-45	13.7	121
154	Splicing of a group II intron involved in the conjugative transfer of pRS01 in lactococci. <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 3531-8	3.5	121
153	Flavonoids and the gastrointestinal tract: Local and systemic effects. <i>Molecular Aspects of Medicine</i> , <b>2018</b> , 61, 41-49	16.7	119
152	A randomized placebo-controlled comparison of 2 prebiotic/probiotic combinations in preterm infants: impact on weight gain, intestinal microbiota, and fecal short-chain fatty acids. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2009</b> , 48, 216-25	2.8	118
151	Human milk oligosaccharides in premature infants: absorption, excretion, and influence on the intestinal microbiota. <i>Pediatric Research</i> , <b>2015</b> , 78, 670-7	3.2	115
150	Lacto-N-tetraose, fucosylation, and secretor status are highly variable in human milk oligosaccharides from women delivering preterm. <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 4662-72	5.6	109
149	Cultivating healthy growth and nutrition through the gut microbiota. <i>Cell</i> , <b>2015</b> , 161, 36-48	56.2	104
148	A molecular basis for bifidobacterial enrichment in the infant gastrointestinal tract. <i>Advances in Nutrition</i> , <b>2012</b> , 3, 415S-21S	10	104

147	Symbiotic Human Gut Bacteria with Variable Metabolic Priorities for Host Mucosal Glycans. <i>MBio</i> , <b>2015</b> , 6, e01282-15	7.8	103
146	Endo-N-acetylglucosaminidases from infant gut-associated bifidobacteria release complex N-glycans from human milk glycoproteins. <i>Molecular and Cellular Proteomics</i> , <b>2012</b> , 11, 775-85	7.6	101
145	Comparative transcriptomics reveals key differences in the response to milk oligosaccharides of infant gut-associated bifidobacteria. <i>Scientific Reports</i> , <b>2015</b> , 5, 13517	4.9	99
144	Persistence of Supplemented subsp. EVC001 in Breastfed Infants. <i>MSphere</i> , <b>2017</b> , 2,	5	98
143	A versatile and scalable strategy for glycoprofiling bifidobacterial consumption of human milk oligosaccharides. <i>Microbial Biotechnology</i> , <b>2009</b> , 2, 333-42	6.3	98
142	Real-time PCR assay for detection and enumeration of <i>Dekkera bruxellensis</i> in wine. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 7430-4	4.8	95
141	Oligosaccharides Released from Milk Glycoproteins Are Selective Growth Substrates for Infant-Associated Bifidobacteria. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 3622-3630	4.8	95
140	Growth and Morbidity of Gambian Infants are Influenced by Maternal Milk Oligosaccharides and Infant Gut Microbiota. <i>Scientific Reports</i> , <b>2017</b> , 7, 40466	4.9	94
139	A novel gene cluster allows preferential utilization of fucosylated milk oligosaccharides in <i>Bifidobacterium longum</i> subsp. <i>longum</i> SC596. <i>Scientific Reports</i> , <b>2016</b> , 6, 35045	4.9	93
138	Next-generation approaches to the microbial ecology of food fermentations. <i>BMB Reports</i> , <b>2012</b> , 45, 377-89	5.5	93
137	Validating bifidobacterial species and subspecies identity in commercial probiotic products. <i>Pediatric Research</i> , <b>2016</b> , 79, 445-52	3.2	89
136	Daily variations in oligosaccharides of human milk determined by microfluidic chips and mass spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , <b>2008</b> , 56, 618-26	5.7	88
135	Phenolic metabolites and substantial microbiome changes in pig feces by ingesting grape seed proanthocyanidins. <i>Food and Function</i> , <b>2014</b> , 5, 2298-308	6.1	84
134	A comparison of two probiotic strains of bifidobacteria in premature infants. <i>Journal of Pediatrics</i> , <b>2013</b> , 163, 1585-1591.e9	3.6	84
133	Development of chemically defined media supporting high-cell-density growth of lactococci, enterococci, and streptococci. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 1080-7	4.8	83
132	Relaxed control of sugar utilization in <i>Lactobacillus brevis</i> . <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 1351-1359	2.9	82
131	A quantitative and comprehensive method to analyze human milk oligosaccharide structures in the urine and feces of infants. <i>Analytical and Bioanalytical Chemistry</i> , <b>2013</b> , 405, 4089-105	4.4	77
130	(-)-Epicatechin protects the intestinal barrier from high fat diet-induced permeabilization: Implications for steatosis and insulin resistance. <i>Redox Biology</i> , <b>2018</b> , 14, 588-599	11.3	77

129	Utilization of galactooligosaccharides by <i>Bifidobacterium longum</i> subsp. <i>infantis</i> isolates. <i>Food Microbiology</i> , <b>2013</b> , 33, 262-70	6	76
128	Homing of a group II intron from <i>Lactococcus lactis</i> subsp. <i>lactis</i> ML3. <i>Journal of Bacteriology</i> , <b>1997</b> , 179, 6107-11	3.5	75
127	Gender Differences in Bile Acids and Microbiota in Relationship with Gender Dissimilarity in Steatosis Induced by Diet and FXR Inactivation. <i>Scientific Reports</i> , <b>2017</b> , 7, 1748	4.9	73
126	A new perspective on microbial landscapes within food production. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 37, 182-189	11.4	73
125	Peptidomic analysis reveals proteolytic activity of kefir microorganisms on bovine milk proteins. <i>Food Chemistry</i> , <b>2016</b> , 197, 273-84	8.5	72
124	Genetic manipulation of <i>Lactococcus lactis</i> by using targeted group II introns: generation of stable insertions without selection. <i>Applied and Environmental Microbiology</i> , <b>2003</b> , 69, 1121-8	4.8	71
123	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> in experimental necrotizing enterocolitis: alterations in inflammation, innate immune response, and the microbiota. <i>Pediatric Research</i> , <b>2014</b> , 76, 326-33	3.2	69
122	Hepatic inflammation caused by dysregulated bile acid synthesis is reversible by butyrate supplementation. <i>Journal of Pathology</i> , <b>2017</b> , 243, 431-441	9.4	69
121	Release and utilization of N-acetyl-D-glucosamine from human milk oligosaccharides by <i>Bifidobacterium longum</i> subsp. <i>infantis</i> . <i>Anaerobe</i> , <b>2012</b> , 18, 430-5	2.8	68
120	Glycoprofiling bifidobacterial consumption of galacto-oligosaccharides by mass spectrometry reveals strain-specific, preferential consumption of glycans. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 7319-25	4.8	68
119	Pilot study of probiotic/colostrum supplementation on gut function in children with autism and gastrointestinal symptoms. <i>PLoS ONE</i> , <b>2019</b> , 14, e0210064	3.7	67
118	Milk Glycans and Their Interaction with the Infant-Gut Microbiota. <i>Annual Review of Food Science and Technology</i> , <b>2018</b> , 9, 429-450	14.7	64
117	Methods for the quantitation of human milk oligosaccharides in bacterial fermentation by mass spectrometry. <i>Analytical Biochemistry</i> , <b>2007</b> , 361, 15-23	3.1	63
116	Role of hypermutability in the evolution of the genus <i>Oenococcus</i> . <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 564-70	3.5	62
115	Maturation of the gut microbiome during the first year of life contributes to the protective farm effect on childhood asthma. <i>Nature Medicine</i> , <b>2020</b> , 26, 1766-1775	50.5	62
114	Proteomic analysis of <i>Bifidobacterium longum</i> subsp. <i>infantis</i> reveals the metabolic insight on consumption of prebiotics and host glycans. <i>PLoS ONE</i> , <b>2013</b> , 8, e57535	3.7	60
113	Bile acid dysregulation, gut dysbiosis, and gastrointestinal cancer. <i>Experimental Biology and Medicine</i> , <b>2014</b> , 239, 1489-504	3.7	59
112	Indigenous bacteria and fungi drive traditional kimoto sake fermentations. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 5522-9	4.8	59

111	Western Diet-Induced Dysbiosis in Farnesoid X Receptor Knockout Mice Causes Persistent Hepatic Inflammation after Antibiotic Treatment. <i>American Journal of Pathology</i> , <b>2017</b> , 187, 1800-1813	5.8	59
110	SAMSA2: a standalone metatranscriptome analysis pipeline. <i>BMC Bioinformatics</i> , <b>2018</b> , 19, 175	3.6	56
109	Transposon mutagenesis of <i>Xylella fastidiosa</i> by electroporation of Tn5 synaptic complexes. <i>Molecular Plant-Microbe Interactions</i> , <b>2001</b> , 14, 701-6	3.6	56
108	Identification of Oligosaccharides in Feces of Breast-fed Infants and Their Correlation with the Gut Microbial Community. <i>Molecular and Cellular Proteomics</i> , <b>2016</b> , 15, 2987-3002	7.6	55
107	Surface microbes in the neonatal intensive care unit: changes with routine cleaning and over time. <i>Journal of Clinical Microbiology</i> , <b>2013</b> , 51, 2617-24	9.7	55
106	Anthocyanins protect the gastrointestinal tract from high fat diet-induced alterations in redox signaling, barrier integrity and dysbiosis. <i>Redox Biology</i> , <b>2019</b> , 26, 101269	11.3	54
105	Abundance in Early Infancy and Vaccine Response at 2 Years of Age. <i>Pediatrics</i> , <b>2019</b> , 143,	7.4	53
104	Bifidobacteria grown on human milk oligosaccharides downregulate the expression of inflammation-related genes in Caco-2 cells. <i>BMC Microbiology</i> , <b>2015</b> , 15, 172	4.5	52
103	Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice. <i>Journal of Dairy Science</i> , <b>2017</b> , 100, 2471-2481	4	50
102	Prebiotic milk oligosaccharides prevent development of obese phenotype, impairment of gut permeability, and microbial dysbiosis in high fat-fed mice. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 312, G474-G487	5.1	49
101	Analysis of raw goat milk microbiota: impact of stage of lactation and lysozyme on microbial diversity. <i>Food Microbiology</i> , <b>2015</b> , 46, 121-131	6	48
100	Differential real-time PCR assay for enumeration of lactic acid bacteria in wine. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 8954-7	4.8	48
99	Mapping microbial ecosystems and spoilage-gene flow in breweries highlights patterns of contamination and resistance. <i>ELife</i> , <b>2015</b> , 4,	8.9	47
98	Rapid determination of the bacterial composition of commercial probiotic products by terminal restriction fragment length polymorphism analysis. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2008</b> , 46, 608-11	2.8	46
97	Effects of triclosan in breast milk on the infant fecal microbiome. <i>Chemosphere</i> , <b>2018</b> , 203, 467-473	8.4	45
96	Buccal administration of human colostrum: impact on the oral microbiota of premature infants. <i>Journal of Perinatology</i> , <b>2016</b> , 36, 106-11	3.1	44
95	The one-pot multienzyme (OPME) synthesis of human blood group H antigens and a human milk oligosaccharide (HMOS) with highly active <i>Thermosynechococcus elongates</i> $\alpha$ -2-fucosyltransferase. <i>Chemical Communications</i> , <b>2016</b> , 52, 3899-902	5.8	44
94	A dynamic, genome-scale flux model of <i>Lactococcus lactis</i> to increase specific recombinant protein expression. <i>Metabolic Engineering</i> , <b>2009</b> , 11, 367-81	9.7	43

93	Routine habitat change: a source of unrecognized transient alteration of intestinal microbiota in laboratory mice. <i>PLoS ONE</i> , <b>2012</b> , 7, e47416	3.7	42
92	Bifidobacterial Dominance of the Gut in Early Life and Acquisition of Antimicrobial Resistance. <i>MSphere</i> , <b>2018</b> , 3,	5	42
91	NMR assignments of the four histidines of staphylococcal nuclease in native and denatured states. <i>Biochemistry</i> , <b>1988</b> , 27, 2158-65	3.2	41
90	Comparative analyses of prophage-like elements present in bifidobacterial genomes. <i>Applied and Environmental Microbiology</i> , <b>2009</b> , 75, 6929-36	4.8	40
89	The fecal resistome of dairy cattle is associated with diet during nursing. <i>Nature Communications</i> , <b>2019</b> , 10, 4406	17.4	39
88	Mechanisms by which sialylated milk oligosaccharides impact bone biology in a gnotobiotic mouse model of infant undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 11988-11996	11.5	39
87	Evaluation of PCR primers for denaturing gradient gel electrophoresis analysis of fungal communities in compost. <i>Journal of Applied Microbiology</i> , <b>2003</b> , 95, 934-48	4.7	39
86	SAMSA: a comprehensive metatranscriptome analysis pipeline. <i>BMC Bioinformatics</i> , <b>2016</b> , 17, 399	3.6	39
85	Sulfur Dioxide Treatment Alters Wine Microbial Diversity and Fermentation Progression in a Dose-Dependent Fashion. <i>American Journal of Enology and Viticulture</i> , <b>2015</b> , 66, 73-79	2.2	38
84	Characterization of porcine milk oligosaccharides during early lactation and their relation to the fecal microbiome. <i>Journal of Dairy Science</i> , <b>2016</b> , 99, 7733-7743	4	37
83	Differentiation of mixed lactic acid bacteria communities in beverage fermentations using targeted terminal restriction fragment length polymorphism. <i>Food Microbiology</i> , <b>2012</b> , 31, 126-32	6	37
82	Digestion of Human Milk Oligosaccharides by <i>Bifidobacterium breve</i> in the Premature Infant. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2017</b> , 65, 449-455	2.8	35
81	Microbial biogeography of the transnational fermented milk matsoni. <i>Food Microbiology</i> , <b>2015</b> , 50, 12-9	6	35
80	Lipopolysaccharide-induced maternal inflammation induces direct placental injury without alteration in placental blood flow and induces a secondary fetal intestinal injury that persists into adulthood. <i>American Journal of Reproductive Immunology</i> , <b>2018</b> , 79, e12816	3.8	34
79	Indole-3-lactic acid associated with <i>Bifidobacterium</i> -dominated microbiota significantly decreases inflammation in intestinal epithelial cells. <i>BMC Microbiology</i> , <b>2020</b> , 20, 357	4.5	34
78	The marriage of nutrigenomics with the microbiome: the case of infant-associated bifidobacteria and milk. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 697S-703S	7	33
77	Conversion of rice straw to bio-based chemicals: an integrated process using <i>Lactobacillus brevis</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2010</b> , 86, 1375-85	5.7	32
76	Synbiotics <i>Bifidobacterium infantis</i> and milk oligosaccharides are effective in reversing cancer-prone nonalcoholic steatohepatitis using western diet-fed FXR knockout mouse models. <i>Journal of Nutritional Biochemistry</i> , <b>2018</b> , 57, 246-254	6.3	32



75	Differential Establishment of Bifidobacteria in the Breastfed Infant Gut. <i>Nestle Nutrition Institute Workshop Series</i> , <b>2017</b> , 88, 149-159	1.9	31
74	Complete genome sequence of <i>Lactobacillus buchneri</i> NRRL B-30929, a novel strain from a commercial ethanol plant. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 4019-20	3.5	30
73	Influence of whole-wheat consumption on fecal microbial community structure of obese diabetic mice. <i>PeerJ</i> , <b>2016</b> , 4, e1702	3.1	30
72	Enterocyte glycosylation is responsive to changes in extracellular conditions: implications for membrane functions. <i>Glycobiology</i> , <b>2017</b> , 27, 847-860	5.8	27
71	Prebiotic oligosaccharides in premature infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2014</b> , 58, 352-60	2.8	27
70	Hydrolysis of milk gangliosides by infant-gut associated bifidobacteria determined by microfluidic chips and high-resolution mass spectrometry. <i>Electrophoresis</i> , <b>2014</b> , 35, 1742-50	3.6	26
69	A Review of Molecular Methods for Microbial Community Profiling of Beer and Wine <sup>1</sup> . <i>Journal of the American Society of Brewing Chemists</i> , <b>2012</b> , 70, 150-162	1.9	26
68	Improvement of a nisin-inducible expression vector for use in lactic acid bacteria. <i>Plasmid</i> , <b>2007</b> , 58, 275-83	3.3	26
67	Rapid discrimination of <i>Bifidobacterium animalis</i> subspecies by matrix-assisted laser desorption ionization-time of flight mass spectrometry. <i>Food Microbiology</i> , <b>2012</b> , 30, 432-7	6	25
66	Multicopy integration of heterologous genes, using the lactococcal group II intron targeted to bacterial insertion sequences. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 6088-93	4.8	25
65	Loss of murine Paneth cell function alters the immature intestinal microbiome and mimics changes seen in neonatal necrotizing enterocolitis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0204967	3.7	25
64	Neonatal Vitamin A Supplementation and Vitamin A Status Are Associated with Gut Microbiome Composition in Bangladeshi Infants in Early Infancy and at 2 Years of Age. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 1075-1088	4.1	24
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