

David A Mills

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Association of Diet and Antimicrobial Resistance in Healthy U.S. Adults.. <i>MBio</i> , 2022 , e0010122	7.8	2
199	Fucosylated human milk oligosaccharide foraging within the species is driven by glycosyl hydrolase content and specificity. <i>Applied and Environmental Microbiology</i> , 2021 , AEM0170721	4.8	2
198	catabolism of human milk oligosaccharides overrides endogenous competitive exclusion driving colonization and protection. <i>Gut Microbes</i> , 2021 , 13, 1986666	8.8	3
197	Transient Effect of Infant Formula Supplementation on the Intestinal Microbiota. <i>Nutrients</i> , 2021 , 13,	6.7	2
196	Sources and Assembly of Microbial Communities in Vineyards as a Functional Component of Winegrowing. <i>Frontiers in Microbiology</i> , 2021 , 12, 673810	5.7	13
195	Epitranscriptomic profile of <i>Lactobacillus agilis</i> and its adaptation to growth on inulin. <i>BMC Research Notes</i> , 2021 , 14, 154	2.3	1
194	Effect of milk replacer allowance on calf faecal bacterial community profiles and fermentation. <i>Animal Microbiome</i> , 2021 , 3, 27	4.1	1
193	On-farm soil resistome is modified after treating dairy calves with the antibiotic florfenicol. <i>Science of the Total Environment</i> , 2021 , 750, 141694	10.2	7
192	Matrix Effects on the Delivery Efficacy of <i>Bifidobacterium animalis</i> subsp. BB-12 on Fecal Microbiota, Gut Transit Time, and Short-Chain Fatty Acids in Healthy Young Adults. <i>MSphere</i> , 2021 , 6, e0008421	5	2
191	Transformation of <i>Lactiplantibacillus plantarum</i> and <i>Apilactobacillus kunkeei</i> is influenced by recipient cell growth temperature, vector replicon, and DNA methylation. <i>Journal of Microbiological Methods</i> , 2020 , 175, 105967	2.8	1
190	Reservoirs of antimicrobial resistance genes in retail raw milk. <i>Microbiome</i> , 2020 , 8, 99	16.6	19
189	Pre- and post-sequencing recommendations for functional annotation of human fecal metagenomes. <i>BMC Bioinformatics</i> , 2020 , 21, 74	3.6	8
188	Fecal metatranscriptomics and glycomics suggest that bovine milk oligosaccharides are fully utilized by healthy adults. <i>Journal of Nutritional Biochemistry</i> , 2020 , 79, 108340	6.3	5
187	Effects of Milk Secretory Immunoglobulin A on the Commensal Microbiota. <i>Nestle Nutrition Institute Workshop Series</i> , 2020 , 94, 158-168	1.9	5
186	The antimicrobial activity of bovine milk xanthine oxidase. <i>International Dairy Journal</i> , 2020 , 102, 104581-104581	3.5	5
185	Production of functional mimics of human milk oligosaccharides by enzymatic glycosylation of bovine milk oligosaccharides. <i>International Dairy Journal</i> , 2020 , 102, 104583-104583	3.5	5
184	Inulin Fermentation by <i>Lactobacilli</i> and <i>Bifidobacteria</i> from Dairy Calves. <i>Applied and Environmental Microbiology</i> , 2020 , 87,	4.8	6

183	Indole-3-lactic acid associated with Bifidobacterium-dominated microbiota significantly decreases inflammation in intestinal epithelial cells. <i>BMC Microbiology</i> , 2020 , 20, 357	4.5	34
182	A nonenzymatic method for cleaving polysaccharides to yield oligosaccharides for structural analysis. <i>Nature Communications</i> , 2020 , 11, 3963	17.4	12
181	Maturation of the gut microbiome during the first year of life contributes to the protective farm effect on childhood asthma. <i>Nature Medicine</i> , 2020 , 26, 1766-1775	50.5	62
180	Cervicovaginal Microbiome Composition Is Associated with Metabolic Profiles in Healthy Pregnancy. <i>MBio</i> , 2020 , 11,	7.8	12
179	Long-term effects of western diet consumption in male and female mice. <i>Scientific Reports</i> , 2020 , 10, 14686	4.9	5
178	The developing gut-lung axis: postnatal growth restriction, intestinal dysbiosis, and pulmonary hypertension in a rodent model. <i>Pediatric Research</i> , 2020 , 87, 472-479	3.2	13
177	The fecal resistome of dairy cattle is associated with diet during nursing. <i>Nature Communications</i> , 2019 , 10, 4406	17.4	39
176	Abundance in Early Infancy and Vaccine Response at 2 Years of Age. <i>Pediatrics</i> , 2019 , 143,	7.4	53
175	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> , 2019 , 116, 11988-11996	11.5	39
174	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> , 2019 , 149, 1075-1088	4.1	24
173	Bacterial colonization and antimicrobial resistance genes in neonatal enteral feeding tubes. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	3
172	Anthocyanins protect the gastrointestinal tract from high fat diet-induced alterations in redox signaling, barrier integrity and dysbiosis. <i>Redox Biology</i> , 2019 , 26, 101269	11.3	54
171	Fetal exposure to maternal inflammation interrupts murine intestinal development and increases susceptibility to neonatal intestinal injury. <i>DMM Disease Models and Mechanisms</i> , 2019 , 12,	4.1	13
170	Pilot study of probiotic/colostrum supplementation on gut function in children with autism and gastrointestinal symptoms. <i>PLoS ONE</i> , 2019 , 14, e0210064	3.7	67
169	Effects of triclosan in breast milk on the infant fecal microbiome. <i>Chemosphere</i> , 2018 , 203, 467-473	8.4	45
168	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> , 2018 , 79, e12816	3.8	34
167	Interactions Between Bifidobacteria, Milk Oligosaccharides, and Neonate Hosts 2018 , 165-175		1
166	Flavonoids and the gastrointestinal tract: Local and systemic effects. <i>Molecular Aspects of Medicine</i> , 2018 , 61, 41-49	16.7	119

165	Milk Glycans and Their Interaction with the Infant-Gut Microbiota. <i>Annual Review of Food Science and Technology</i> , 2018 , 9, 429-450	14.7	64
164	Effect of barley supplementation on the fecal microbiota, caecal biochemistry, and key biomarkers of obesity and inflammation in obese db/db mice. <i>European Journal of Nutrition</i> , 2018 , 57, 2513-2528	5.2	18
163	SAMSA2: a standalone metatranscriptome analysis pipeline. <i>BMC Bioinformatics</i> , 2018 , 19, 175	3.6	56
162	(-)-Epicatechin protects the intestinal barrier from high fat diet-induced permeabilization: Implications for steatosis and insulin resistance. <i>Redox Biology</i> , 2018 , 14, 588-599	11.3	77
161	Loss of murine Paneth cell function alters the immature intestinal microbiome and mimics changes seen in neonatal necrotizing enterocolitis. <i>PLoS ONE</i> , 2018 , 13, e0204967	3.7	25
160	Bifidobacterial Dominance of the Gut in Early Life and Acquisition of Antimicrobial Resistance. <i>MSphere</i> , 2018 , 3,	5	42
159	Synbiotics Bifidobacterium infantis 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> , 2018 , 57, 246-254	6.3	32
158	The effect of synbiotics and milk oligosaccharides on shaping gut microbiota community structure and NASH treatment. <i>Data in Brief</i> , 2018 , 19, 1025-1029	1.2	7
157	Bovine milk oligosaccharides decrease gut permeability and improve inflammation and microbial dysbiosis in diet-induced obese mice. <i>Journal of Dairy Science</i> , 2017 , 100, 2471-2481	4	50
156	Growth and Morbidity of Gambian Infants are Influenced by Maternal Milk Oligosaccharides and Infant Gut Microbiota. <i>Scientific Reports</i> , 2017 , 7, 40466	4.9	94
155	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> , 2017 , 312, G474-G487	5.1	49
154	The Fecal Microbial Community of Breast-fed Infants from Armenia and Georgia. <i>Scientific Reports</i> , 2017 , 7, 40932	4.9	16
153	Enterocyte glycosylation is responsive to changes in extracellular conditions: implications for membrane functions. <i>Glycobiology</i> , 2017 , 27, 847-860	5.8	27
152	Tolerability and safety of the intake of bovine milk oligosaccharides extracted from cheese whey in healthy human adults. <i>Journal of Nutritional Science</i> , 2017 , 6, e6	2.7	14
151	Gender Differences in Bile Acids and Microbiota in Relationship with Gender Dissimilarity in Steatosis Induced by Diet and FXR Inactivation. <i>Scientific Reports</i> , 2017 , 7, 1748	4.9	73
150	Digestion of Human Milk Oligosaccharides by Bifidobacterium breve in the Premature Infant. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017 , 65, 449-455	2.8	35
149	Differential Establishment of Bifidobacteria in the Breastfed Infant Gut. <i>Nestle Nutrition Institute Workshop Series</i> , 2017 , 88, 149-159	1.9	31
148	A communal catalogue reveals Earth's multiscale microbial diversity. <i>Nature</i> , 2017 , 551, 457-463	50.4	1076

147	Hepatic inflammation caused by dysregulated bile acid synthesis is reversible by butyrate supplementation. <i>Journal of Pathology</i> , 2017 , 243, 431-441	9.4	69
146	Probiotic nomenclature matters redux: confusion on <i>Bifidobacterium longum</i> subsp. <i>infantis</i> taxonomy persists. <i>Current Medical Research and Opinion</i> , 2017 , 33, 2097	2.5	2
145	Persistence of Supplemented subsp. EVC001 in Breastfed Infants. <i>MSphere</i> , 2017 , 2,	5	98
144	Western Diet-Induced Dysbiosis in Farnesoid X Receptor Knockout Mice Causes Persistent Hepatic Inflammation after Antibiotic Treatment. <i>American Journal of Pathology</i> , 2017 , 187, 1800-1813	5.8	59
143	Identification of Oligosaccharides in Feces of Breast-fed Infants and Their Correlation with the Gut Microbial Community. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 2987-3002	7.6	55
142	Characterization of porcine milk oligosaccharides during early lactation and their relation to the fecal microbiome. <i>Journal of Dairy Science</i> , 2016 , 99, 7733-7743	4	37
141	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> , 2016 , 6, 35045	4.9	93
140	Associations among Wine Grape Microbiome, Metabolome, and Fermentation Behavior Suggest Microbial Contribution to Regional Wine Characteristics. <i>MBio</i> , 2016 , 7,	7.8	205
139	A new perspective on microbial landscapes within food production. <i>Current Opinion in Biotechnology</i> , 2016 , 37, 182-189	11.4	73
138	Buccal administration of human colostrum: impact on the oral microbiota of premature infants. <i>Journal of Perinatology</i> , 2016 , 36, 106-11	3.1	44
137	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , 2016 , 164, 859-71	56.2	370
136	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> β -2-fucosyltransferase. <i>Chemical Communications</i> , 2016 , 52, 3899-902	5.8	44
135	Peptidomic analysis reveals proteolytic activity of kefir microorganisms on bovine milk proteins. <i>Food Chemistry</i> , 2016 , 197, 273-84	8.5	72
134	Validating bifidobacterial species and subspecies identity in commercial probiotic products. <i>Pediatric Research</i> , 2016 , 79, 445-52	3.2	89
133	Intestinal Microbiota in Breast-Fed Infants 2016 , 59-73		
132	Prebiotics: why definitions matter. <i>Current Opinion in Biotechnology</i> , 2016 , 37, 1-7	11.4	245
131	Impact of Lactic Acid and Hydrogen Ion on the Simultaneous Fermentation of Glucose and Xylose by the Carbon Catabolite Derepressed <i>Lactobacillus brevis</i> ATCC 14869. <i>Journal of Microbiology and Biotechnology</i> , 2016 , 26, 1182-9	3.3	4
130	The impact of freeze-drying infant fecal samples on measures of their bacterial community profiles and milk-derived oligosaccharide content. <i>PeerJ</i> , 2016 , 4, e1612	3.1	12

129	Influence of whole-wheat consumption on fecal microbial community structure of obese diabetic mice. <i>PeerJ</i> , 2016 , 4, e1702	3.1	30
128	A microbial perspective of human developmental biology. <i>Nature</i> , 2016 , 535, 48-55	50.4	172
127	Probiotic Administration in Infants With Gastroschisis: A Pilot Randomized Placebo-Controlled Trial. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016 , 62, 852-857	2.8	9
126	Oligosaccharides Released from Milk Glycoproteins Are Selective Growth Substrates for Infant-Associated Bifidobacteria. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 3622-3630	4.8	95
125	SAMSA: a comprehensive metatranscriptome analysis pipeline. <i>BMC Bioinformatics</i> , 2016 , 17, 399	3.6	39
124	Dietary supplementation with <i>Bifidobacterium longum</i> subsp. <i>infantis</i> (B. <i>infantis</i>) in healthy breastfed infants: study protocol for a randomised controlled trial. <i>Trials</i> , 2016 , 17, 340	2.8	7
123	Kinetic characterization of a novel endo-N-acetylglucosaminidase on concentrated bovine colostrum whey to release bioactive glycans. <i>Enzyme and Microbial Technology</i> , 2015 , 77, 46-53	3.8	15
122	Birth of the infant gut microbiome: moms deliver twice!. <i>Cell Host and Microbe</i> , 2015 , 17, 543-4	23.4	12
121	Cultivating healthy growth and nutrition through the gut microbiota. <i>Cell</i> , 2015 , 161, 36-48	56.2	104
120	The soil microbiome influences grapevine-associated microbiota. <i>MBio</i> , 2015 , 6,	7.8	465
119	Bifidobacteria grown on human milk oligosaccharides downregulate the expression of inflammation-related genes in Caco-2 cells. <i>BMC Microbiology</i> , 2015 , 15, 172	4.5	52
118	Diet shapes the gut microbiome of pigs during nursing and weaning. <i>Microbiome</i> , 2015 , 3, 28	16.6	255
117	Human milk oligosaccharides in premature infants: absorption, excretion, and influence on the intestinal microbiota. <i>Pediatric Research</i> , 2015 , 78, 670-7	3.2	115
116	Symbiotic Human Gut Bacteria with Variable Metabolic Priorities for Host Mucosal Glycans. <i>MBio</i> , 2015 , 6, e01282-15	7.8	103
115	Sulfur Dioxide Treatment Alters Wine Microbial Diversity and Fermentation Progression in a Dose-Dependent Fashion. <i>American Journal of Enology and Viticulture</i> , 2015 , 66, 73-79	2.2	38
114	<i>Bifidobacterium longum</i> subspecies <i>infantis</i> : champion colonizer of the infant gut. <i>Pediatric Research</i> , 2015 , 77, 229-35	3.2	230
113	Analysis of raw goat milk microbiota: impact of stage of lactation and lysozyme on microbial diversity. <i>Food Microbiology</i> , 2015 , 46, 121-131	6	48
112	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> , 2015 , 14, 491-502	5.6	130

111	Comparative transcriptomics reveals key differences in the response to milk oligosaccharides of infant gut-associated bifidobacteria. <i>Scientific Reports</i> , 2015 , 5, 13517	4.9	99
110	Maternal fucosyltransferase 2 status affects the gut bifidobacterial communities of breastfed infants. <i>Microbiome</i> , 2015 , 3, 13	16.6	244
109	Characterizing the release of bioactive N-glycans from dairy products by a novel endo- β -N-acetylglucosaminidase. <i>Biotechnology Progress</i> , 2015 , 31, 1331-9	2.8	19
108	Should infants cry over spilled milk? Fecal glycomics as an indicator of a healthy infant gut microbiome. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2015 , 60, 695	2.8	4
107	A novel endo- β -N-acetylglucosaminidase releases specific N-glycans depending on different reaction conditions. <i>Biotechnology Progress</i> , 2015 , 31, 1323-1330	2.8	15
106	Mapping microbial ecosystems and spoilage-gene flow in breweries highlights patterns of contamination and resistance. <i>ELife</i> , 2015 , 4,	8.9	47
105	Microbial biogeography of the transnational fermented milk matsoni. <i>Food Microbiology</i> , 2015 , 50, 12-9	6	35
104	Metabolomics and Milk: The Development of the Microbiota in Breastfed Infants. <i>Molecular and Integrative Toxicology</i> , 2015 , 147-167	0.5	3
103	Comparative proteomics: assessment of biological variability and dataset comparability. <i>BMC Bioinformatics</i> , 2015 , 16, 121	3.6	2
102	The impact of the milk glyco-biome on the neonate gut microbiota. <i>Annual Review of Animal Biosciences</i> , 2015 , 3, 419-45	13.7	121
101	Hydrolysis of milk gangliosides by infant-gut associated bifidobacteria determined by microfluidic chips and high-resolution mass spectrometry. <i>Electrophoresis</i> , 2014 , 35, 1742-50	3.6	26
100	The marriage of nutrigenomics with the microbiome: the case of infant-associated bifidobacteria and milk. <i>American Journal of Clinical Nutrition</i> , 2014 , 99, 697S-703S	7	33
99	Breast milk oligosaccharides: structure-function relationships in the neonate. <i>Annual Review of Nutrition</i> , 2014 , 34, 143-69	9.9	264
98	Phenolic metabolites and substantial microbiome changes in pig feces by ingesting grape seed proanthocyanidins. <i>Food and Function</i> , 2014 , 5, 2298-308	6.1	84
97	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> , 2014 , 111, E139-48	11.5	557
96	Bile acid dysregulation, gut dysbiosis, and gastrointestinal cancer. <i>Experimental Biology and Medicine</i> , 2014 , 239, 1489-504	3.7	59
95	Human microbiome science: vision for the future, Bethesda, MD, July 24 to 26, 2013. <i>Microbiome</i> , 2014 , 2,	16.6	18
94	Indigenous bacteria and fungi drive traditional kimoto sake fermentations. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 5522-9	4.8	59

93	Bifidobacterium longum subsp. infantis in experimental necrotizing enterocolitis: alterations in inflammation, innate immune response, and the microbiota. <i>Pediatric Research</i> , 2014 , 76, 326-33	3.2	69
92	Stool microbiota and vaccine responses of infants. <i>Pediatrics</i> , 2014 , 134, e362-72	7.4	239
91	Glycosylated proteins preserved over millennia: N-glycan analysis of Tyrolean Iceman, Scythian Princess and Warrior. <i>Scientific Reports</i> , 2014 , 4, 4963	4.9	4
90	Prebiotic oligosaccharides in premature infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2014 , 58, 352-60	2.8	27
89	A comparison of two probiotic strains of bifidobacteria in premature infants. <i>Journal of Pediatrics</i> , 2013 , 163, 1585-1591.e9	3.6	84
88	Variation in consumption of human milk oligosaccharides by infant gut-associated strains of Bifidobacterium breve. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 6040-9	4.8	161
87	Use of bifidobacterial specific terminal restriction fragment length polymorphisms to complement next generation sequence profiling of infant gut communities. <i>Anaerobe</i> , 2013 , 19, 62-9	2.8	18
86	Improved selection of internal transcribed spacer-specific primers enables quantitative, ultra-high-throughput profiling of fungal communities. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 2519-26	4.8	292
85	Utilization of galactooligosaccharides by Bifidobacterium longum subsp. infantis isolates. <i>Food Microbiology</i> , 2013 , 33, 262-70	6	76
84	Quality-filtering vastly improves diversity estimates from Illumina amplicon sequencing. <i>Nature Methods</i> , 2013 , 10, 57-9	21.6	2167
83	Isomer-specific consumption of galactooligosaccharides by bifidobacterial species. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 12612-12619	5.7	21
82	A quantitative and comprehensive method to analyze human milk oligosaccharide structures in the urine and feces of infants. <i>Analytical and Bioanalytical Chemistry</i> , 2013 , 405, 4089-105	4.4	77
81	Consumption of human milk glycoconjugates by infant-associated bifidobacteria: mechanisms and implications. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 649-664	2.9	147
80	Proteomic analysis of Bifidobacterium longum subsp. infantis reveals the metabolic insight on consumption of prebiotics and host glycans. <i>PLoS ONE</i> , 2013 , 8, e57535	3.7	60
79	Surface microbes in the neonatal intensive care unit: changes with routine cleaning and over time. <i>Journal of Clinical Microbiology</i> , 2013 , 51, 2617-24	9.7	55
78	Facility-specific "house" microbiome drives microbial landscapes of artisan cheesemaking plants. <i>Applied and Environmental Microbiology</i> , 2013 , 79, 5214-23	4.8	170
77	Monitoring Seasonal Changes in Winery-Resident Microbiota. <i>PLoS ONE</i> , 2013 , 8, e66437	3.7	131
76	A molecular basis for bifidobacterial enrichment in the infant gastrointestinal tract. <i>Advances in Nutrition</i> , 2012 , 3, 415S-21S	10	104

75	Lacto-N-tetraose, fucosylation, and secretor status are highly variable in human milk oligosaccharides from women delivering preterm. <i>Journal of Proteome Research</i> , 2012 , 11, 4662-72	5.6	109
74	<i>Bifidobacterium longum</i> subsp. <i>infantis</i> ATCC 15697 α -fucosidases are active on fucosylated human milk oligosaccharides. <i>Applied and Environmental Microbiology</i> , 2012 , 78, 795-803	4.8	154
73	The human gut microbiota and undernutrition. <i>Science Translational Medicine</i> , 2012 , 4, 137ps12	17.5	128
72	Identification and accurate quantitation of biological oligosaccharide mixtures. <i>Analytical Chemistry</i> , 2012 , 84, 7793-801	7.8	17
71	Release and utilization of N-acetyl-D-glucosamine from human milk oligosaccharides by <i>Bifidobacterium longum</i> subsp. <i>infantis</i> . <i>Anaerobe</i> , 2012 , 18, 430-5	2.8	68
70	Brewhouse-resident microbiota are responsible for multi-stage fermentation of American coolship ale. <i>PLoS ONE</i> , 2012 , 7, e35507	3.7	128
69	Next-generation sequencing reveals significant bacterial diversity of botrytized wine. <i>PLoS ONE</i> , 2012 , 7, e36357	3.7	162
68	Routine habitat change: a source of unrecognized transient alteration of intestinal microbiota in laboratory mice. <i>PLoS ONE</i> , 2012 , 7, e47416	3.7	42
67	Rapid discrimination of <i>Bifidobacterium animalis</i> subspecies by matrix-assisted laser desorption ionization-time of flight mass spectrometry. <i>Food Microbiology</i> , 2012 , 30, 432-7	6	25
66	Differentiation of mixed lactic acid bacteria communities in beverage fermentations using targeted terminal restriction fragment length polymorphism. <i>Food Microbiology</i> , 2012 , 31, 126-32	6	37
65	Endo-N-acetylglucosaminidases from infant gut-associated bifidobacteria release complex N-glycans from human milk glycoproteins. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, 775-85	7.6	101
64	A Review of Molecular Methods for Microbial Community Profiling of Beer and Wine ¹ . <i>Journal of the American Society of Brewing Chemists</i> , 2012 , 70, 150-162	1.9	26
63	<i>Bifidobacteria</i> isolated from infants and cultured on human milk oligosaccharides affect intestinal epithelial function. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2012 , 55, 321-7	2.8	163
62	Next-generation approaches to the microbial ecology of food fermentations. <i>BMB Reports</i> , 2012 , 45, 377-89	5.5	93
61	The influence of milk oligosaccharides on microbiota of infants: opportunities for formulas. <i>Annual Review of Food Science and Technology</i> , 2011 , 2, 331-51	14.7	126
60	<i>Bacteroides</i> in the infant gut consume milk oligosaccharides via mucus-utilization pathways. <i>Cell Host and Microbe</i> , 2011 , 10, 507-14	23.4	337
59	Oligosaccharide binding proteins from <i>Bifidobacterium longum</i> subsp. <i>infantis</i> reveal a preference for host glycans. <i>PLoS ONE</i> , 2011 , 6, e17315	3.7	148
58	An infant-associated bacterial commensal utilizes breast milk sialyloligosaccharides.. <i>Journal of Biological Chemistry</i> , 2011 , 286, 23620	5.4	3

57	Complete genome sequence of <i>Lactobacillus buchneri</i> NRRL B-30929, a novel strain from a commercial ethanol plant. <i>Journal of Bacteriology</i> , 2011 , 193, 4019-20	3.5	30
56	An infant-associated bacterial commensal utilizes breast milk sialyloligosaccharides. <i>Journal of Biological Chemistry</i> , 2011 , 286, 11909-18	5.4	140
55	Human milk glyco-biome and its impact on the infant gastrointestinal microbiota. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108 Suppl 1, 4653-8	11.5	466
54	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> , 2010 , 76, 7373-81	4.8	147
53	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> , 2010 , 107, 19514-9	11.5	266
52	Consumption of human milk oligosaccharides by gut-related microbes. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 5334-40	5.7	348
51	Nursing our microbiota: molecular linkages between bifidobacteria and milk oligosaccharides. <i>Trends in Microbiology</i> , 2010 , 18, 298-307	12.4	327
50	Conversion of rice straw to bio-based chemicals: an integrated process using <i>Lactobacillus brevis</i> . <i>Applied Microbiology and Biotechnology</i> , 2010 , 86, 1375-85	5.7	32
49	Simultaneous consumption of pentose and hexose sugars: an optimal microbial phenotype for efficient fermentation of lignocellulosic biomass. <i>Applied Microbiology and Biotechnology</i> , 2010 , 88, 1077-85	5.7	193
48	Atypical ethanol production by carbon catabolite derepressed lactobacilli. <i>Bioresource Technology</i> , 2010 , 101, 8790-7	11	10
47	Glycoprofiling bifidobacterial consumption of galacto-oligosaccharides by mass spectrometry reveals strain-specific, preferential consumption of glycans. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 7319-25	4.8	68
46	Genomics of <i>Oenococcus oeni</i> and Other Lactic Acid Bacteria 2009 , 351-360		
45	Relaxed control of sugar utilization in <i>Lactobacillus brevis</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 1351-1359	2.9	82
44	Incorporation of nisl-mediated nisin immunity improves vector-based nisin-controlled gene expression in lactic acid bacteria. <i>Plasmid</i> , 2009 , 61, 151-8	3.3	15
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