

Jan Knol

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.

161
papers

26,618
citations

57
h-index

163
g-index

180
ext. papers

32,313
ext. citations

6.8
avg, IF

6.18
L-index

#	Paper	IF	Citations
161	Preventive Effect of a Postbiotic and Prebiotic Mixture in a Rat Model of Early Life Rotavirus Induced-Diarrhea.. <i>Nutrients</i> , 2022 , 14,	6.7	2
160	Influence of timing of maternal antibiotic administration during caesarean section on infant microbial colonisation: a randomised controlled trial. <i>Gut</i> , 2021 ,	19.2	3
159	Microbial Glycoside Hydrolases in the First Year of Life: An Analysis Review on Their Presence and Importance in Infant Gut. <i>Frontiers in Microbiology</i> , 2021 , 12, 631282	5.7	5
158	A synbiotic intervention modulates meta-omics signatures of gut redox potential and acidity in elective caesarean born infants. <i>BMC Microbiology</i> , 2021 , 21, 191	4.5	5
157	A Continuous Battle for Host-Derived Glycans Between a Mucus Specialist and a Glycan Generalist and. <i>Frontiers in Microbiology</i> , 2021 , 12, 632454	5.7	8
156	Maturation of the preterm gastrointestinal tract can be defined by host and microbial markers for digestion and barrier defense. <i>Scientific Reports</i> , 2021 , 11, 12808	4.9	3
155	Tolerance development in cow's milk-allergic infants receiving amino acid-based formula: A randomized controlled trial. <i>Journal of Allergy and Clinical Immunology</i> , 2021 ,	11.5	8
154	Fermented infant formula (with <i>Bifidobacterium breve</i> C50 and <i>Streptococcus thermophilus</i> O65) with prebiotic oligosaccharides is safe and modulates the gut microbiota towards a microbiota closer to that of breastfed infants. <i>Clinical Nutrition</i> , 2021 , 40, 778-787	5.9	17
153	Cross-feeding between and on lactose and human milk oligosaccharides. <i>Beneficial Microbes</i> , 2021 , 12, 69-83	4.9	8
152	<i>Bifidobacterium</i> Transformation. <i>Methods in Molecular Biology</i> , 2021 , 2278, 13-19	1.4	
151	Impact of synbiotics on gut microbiota during early life: a randomized, double-blind study. <i>Scientific Reports</i> , 2021 , 11, 3534	4.9	10
150	Early life antibiotics and childhood gastrointestinal disorders: a systematic review. <i>BMJ Paediatrics Open</i> , 2021 , 5, e001028	2.4	2
149	Broad Purpose Vector for Site-Directed Insertional Mutagenesis in. <i>Frontiers in Microbiology</i> , 2021 , 12, 636822	5.7	1
148	Effects of a Postbiotic and Prebiotic Mixture on Suckling Rats' Microbiota and Immunity. <i>Nutrients</i> , 2021 , 13,	6.7	3
147	PS2 Supplementation during Pregnancy and Lactation Prevents Mastitis: A Randomised Controlled Trial. <i>Microorganisms</i> , 2021 , 9,	4.9	1
146	Enduring Behavioral Effects Induced by Birth by Caesarean Section in the Mouse. <i>Current Biology</i> , 2020 , 30, 3761-3774.e6	6.3	36
145	Dynamics of the bacterial gut microbiota in preterm and term infants after intravenous amoxicillin/ceftazidime treatment. <i>BMC Pediatrics</i> , 2020 , 20, 195	2.6	9

144	Strain-Specific Probiotic Properties of Bifidobacteria and Lactobacilli for the Prevention of Diarrhea Caused by Rotavirus in a Preclinical Model. <i>Nutrients</i> , 2020 , 12,	6.7	20
143	Fosters the Growth of Butyrate-Producing in the Presence of Lactose and Total Human Milk Carbohydrates. <i>Microorganisms</i> , 2020 , 8,	4.9	6
142	A compromised developmental trajectory of the infant gut microbiome and metabolome in atopic eczema. <i>Gut Microbes</i> , 2020 , 12, 1-22	8.8	21
141	The Bifidogenic Effect Revisited-Ecology and Health Perspectives of Bifidobacterial Colonization in Early Life. <i>Microorganisms</i> , 2020 , 8,	4.9	19
140	Gut Microbiota of Young Children Living in Four Brazilian Cities. <i>Frontiers in Pediatrics</i> , 2020 , 8, 573815	3.4	2
139	The Infant-Derived Strain CNCM I-4319 Strengthens Gut Functionality. <i>Microorganisms</i> , 2020 , 8,	4.9	2
138	Akkermansia muciniphila uses human milk oligosaccharides to thrive in the early life conditions in vitro. <i>Scientific Reports</i> , 2020 , 10, 14330	4.9	35
137	Supplementation of dietary non-digestible oligosaccharides from birth onwards improve social and reduce anxiety-like behaviour in male BALB/c mice. <i>Nutritional Neuroscience</i> , 2020 , 23, 896-910	3.6	15
136	Postbiotics and Their Potential Applications in Early Life Nutrition and Beyond. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	169
135	Prevention of Rotavirus Diarrhea in Suckling Rats by a Specific Fermented Milk Concentrate with Prebiotic Mixture. <i>Nutrients</i> , 2019 , 11,	6.7	25
134	The potential for pre-, pro- and synbiotics in the management of infants at risk of cow's milk allergy or with cow's milk allergy: An exploration of the rationale, available evidence and remaining questions. <i>World Allergy Organization Journal</i> , 2019 , 12, 100034	5.2	12
133	A specific synbiotic-containing amino acid-based formula restores gut microbiota in non-IgE mediated cow's milk allergic infants: a randomized controlled trial. <i>Clinical and Translational Allergy</i> , 2019 , 9, 27	5.2	15
132	Gut microbiota from infant with cow's milk allergy promotes clinical and immune features of atopy in a murine model. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2019 , 74, 1790-1793	9.3	9
131	The Preterm Gut Microbiota: An Inconspicuous Challenge in Nutritional Neonatal Care. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019 , 9, 85	5.9	50
130	Metaproteomic and 16S rRNA Gene Sequencing Analysis of the Infant Fecal Microbiome. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	8
129	Oligosaccharides Modulate Rotavirus-Associated Dysbiosis and TLR Gene Expression in Neonatal Rats. <i>Cells</i> , 2019 , 8,	7.9	12
128	Supplementation of diet with non-digestible oligosaccharides alters the intestinal microbiota, but not arthritis development, in IL-1 receptor antagonist deficient mice. <i>PLoS ONE</i> , 2019 , 14, e0219366	3.7	6
127	Short-term changes of intestinal microbiota composition in preterm infants after two prophylactic doses of vancomycin. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2019 , 108, 1919-1920	3.1	2

126	Low-calcium diet in mice leads to reduced gut colonization by <i>Enterococcus faecium</i> . <i>MicrobiologyOpen</i> , 2019 , 8, e936	3.4	3
125	Mice co-administrated with partially hydrolysed whey proteins and prebiotic fibre mixtures show allergen-specific tolerance and a modulated gut microbiota. <i>Beneficial Microbes</i> , 2019 , 10, 165-178	4.9	4
124	Prebiotic oligosaccharides in early life alter gut microbiome development in male mice while supporting influenza vaccination responses. <i>Beneficial Microbes</i> , 2019 , 10, 279-291	4.9	7
123	Microbial transmission from mother to child: improving infant intestinal microbiota development by identifying the obstacles. <i>Critical Reviews in Microbiology</i> , 2019 , 45, 613-648	7.8	13
122	A specific synbiotic-containing amino acid-based formula in dietary management of cow's milk allergy: a randomized controlled trial. <i>Clinical and Translational Allergy</i> , 2019 , 9, 5	5.2	18
121	Specific synbiotics in early life protect against diet-induced obesity in adult mice. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 1408-1418	6.7	29
120	Deciphering the trophic interaction between <i>Akkermansia muciniphila</i> and the butyrogenic gut commensal <i>Anaerostipes caccae</i> using a metatranscriptomic approach. <i>Antonie Van Leeuwenhoek</i> , 2018 , 111, 859-873	2.1	54
119	A synbiotic mixture of scGOS/lcFOS and <i>Bifidobacterium breve</i> M-16V increases faecal <i>Bifidobacterium</i> in healthy young children. <i>Beneficial Microbes</i> , 2018 , 9, 541-552	4.9	11
118	Association between duration of intravenous antibiotic administration and early-life microbiota development in late-preterm infants. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2018 , 37, 475-483	5.3	40
117	Comparative genome and methylome analysis reveals restriction/modification system diversity in the gut commensal <i>Bifidobacterium breve</i> . <i>Nucleic Acids Research</i> , 2018 , 46, 1860-1877	20.1	27
116	Intestinal microbiota in infants at high risk for allergy: Effects of prebiotics and role in eczema development. <i>Journal of Allergy and Clinical Immunology</i> , 2018 , 141, 1334-1342.e5	11.5	86
115	Preventive Effect of a Synbiotic Combination of Galacto- and Fructooligosaccharides Mixture With M-16V in a Model of Multiple Rotavirus Infections. <i>Frontiers in Immunology</i> , 2018 , 9, 1318	8.4	27
114	Comparative genomics and genotype-phenotype associations in <i>Bifidobacterium breve</i> . <i>Scientific Reports</i> , 2018 , 8, 10633	4.9	27
113	A synbiotic-containing amino-acid-based formula improves gut microbiota in non-IgE-mediated allergic infants. <i>Pediatric Research</i> , 2018 , 83, 677-686	3.2	42
112	The potential role of gut microbiota and its modulators in the management of propionic and methylmalonic acidemia. <i>Expert Opinion on Orphan Drugs</i> , 2018 , 6, 683-692	1.1	4
111	Targeting the gut microbiota to influence brain development and function in early life. <i>Neuroscience and Biobehavioral Reviews</i> , 2018 , 95, 191-201	9	36
110	Sex differences in lipid metabolism are affected by presence of the gut microbiota. <i>Scientific Reports</i> , 2018 , 8, 13426	4.9	39
109	A combination of scGOS/lcFOS with <i>Bifidobacterium breve</i> M-16V protects suckling rats from rotavirus gastroenteritis. <i>European Journal of Nutrition</i> , 2017 , 56, 1657-1670	5.2	32

108	A fermented milk concentrate and a combination of short-chain galacto-oligosaccharides/long-chain fructo-oligosaccharides/pectin-derived acidic oligosaccharides protect suckling rats from rotavirus gastroenteritis. <i>British Journal of Nutrition</i> , 2017 , 117, 209-217	3.6	20
107	Effect of Synbiotic on the Gut Microbiota of Cesarean Delivered Infants: A Randomized, Double-blind, Multicenter Study. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017 , 65, 102-106	2.8	46
106	Early-life origin of intestinal inflammatory disorders. <i>Nutrition Reviews</i> , 2017 , 75, 175-187	6.4	16
105	Intervention strategies for cesarean section-induced alterations in the microbiota-gut-brain axis. <i>Nutrition Reviews</i> , 2017 , 75, 225-240	6.4	54
104	Ratio of Klebsiella/Bifidobacterium in early life correlates with later development of paediatric allergy. <i>Beneficial Microbes</i> , 2017 , 8, 681-695	4.9	22
103	Microbial Metabolic Networks at the Mucus Layer Lead to Diet-Independent Butyrate and Vitamin B Production by Intestinal Symbionts. <i>MBio</i> , 2017 , 8,	7.8	163
102	Metaproteomics reveals functional differences in intestinal microbiota development of preterm infants. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 1610-1620	7.6	25
101	Aberrant intestinal microbiota due to IL-1 receptor antagonist deficiency promotes IL-17- and TLR4-dependent arthritis. <i>Microbiome</i> , 2017 , 5, 63	16.6	42
100	Longitudinal Investigation of Carriage Rates, Counts, and Genotypes of Toxigenic <i>Clostridium difficile</i> in Early Infancy. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 5806-14	4.8	14
99	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016 , 535, 376-81	50.4	977
98	Gut Microbiota Dysbiosis as Risk and Premorbid Factors of IBD and IBS Along the Childhood-Adulthood Transition. <i>Inflammatory Bowel Diseases</i> , 2016 , 22, 487-504	4.5	69
97	Early-Life Events, Including Mode of Delivery and Type of Feeding, Siblings and Gender, Shape the Developing Gut Microbiota. <i>PLoS ONE</i> , 2016 , 11, e0158498	3.7	236
96	The Variable Regions of <i>Lactobacillus rhamnosus</i> Genomes Reveal the Dynamic Evolution of Metabolic and Host-Adaptation Repertoires. <i>Genome Biology and Evolution</i> , 2016 , 8, 1889-905	3.9	39
95	Infant formula containing galacto-and fructo-oligosaccharides and M-16V supports adequate growth and tolerance in healthy infants in a randomised, controlled, double-blind, prospective, multicentre study. <i>Journal of Nutritional Science</i> , 2016 , 5, e42	2.7	21
94	Correlation of <i>Lactobacillus rhamnosus</i> Genotypes and Carbohydrate Utilization Signatures Determined by Phenotype Profiling. <i>Applied and Environmental Microbiology</i> , 2015 , 81, 5458-70	4.8	29
93	Multilocus sequence typing of bifidobacterial strains from infant faeces and human milk: are bifidobacteria being sustainably shared during breastfeeding?. <i>Beneficial Microbes</i> , 2015 , 6, 563-72	4.9	34
92	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. <i>Nature</i> , 2015 , 528, 262-266	50.4	1107
91	Dietary pectin-derived acidic oligosaccharides improve the pulmonary bacterial clearance of <i>Pseudomonas aeruginosa</i> lung infection in mice by modulating intestinal microbiota and immunity. <i>Journal of Infectious Diseases</i> , 2015 , 211, 156-65	7	35

90	The Gut Microbiota as a Therapeutic Target in IBD and Metabolic Disease: A Role for the Bile Acid Receptors FXR and TGR5. <i>Microorganisms</i> , 2015 , 3, 641-66	4.9	36
89	Fermented Infant Formula Increases Ileal Protein Digestibility and Reduces Ileal Proteolytic Activity Compared with Standard and Hydrolyzed Infant Formulas in Piglets. <i>Journal of Nutrition</i> , 2015 , 145, 1423-8	4.1	3
88	Prewaning modulation of intestinal microbiota by oligosaccharides or amoxicillin can contribute to programming of adult microbiota in rats. <i>Nutrition</i> , 2015 , 31, 515-22	4.8	24
87	Similar Occurrence of Febrile Episodes Reported in Non-Atopic Children at Three to Five Years of Age after Prebiotics Supplemented Infant Formula. <i>PLoS ONE</i> , 2015 , 10, e0129927	3.7	4
86	Identification and assembly of genomes and genetic elements in complex metagenomic samples without using reference genomes. <i>Nature Biotechnology</i> , 2014 , 32, 822-8	44.5	624
85	An integrated catalog of reference genes in the human gut microbiome. <i>Nature Biotechnology</i> , 2014 , 32, 834-41	44.5	1088
84	The first thousand days - intestinal microbiology of early life: establishing a symbiosis. <i>Pediatric Allergy and Immunology</i> , 2014 , 25, 428-38	4.2	187
83	Altered gut microbiota and activity in a murine model of autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , 2014 , 37, 197-206	16.6	268
82	Human milk: a source of more life than we imagine. <i>Beneficial Microbes</i> , 2013 , 4, 17-30	4.9	219
81	Richness of human gut microbiome correlates with metabolic markers. <i>Nature</i> , 2013 , 500, 541-6	50.4	2584
80	Relevance of pre- and postnatal nutrition to development and interplay between the microbiota and metabolic and immune systems. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 586S-93S	7	86
79	A novel protein mixture containing vegetable proteins renders enteral nutrition products non-coagulating after <i>in vitro</i> gastric digestion. <i>Clinical Nutrition</i> , 2013 , 32, 765-71	5.9	21
78	Influence of fermented milk products, prebiotics and probiotics on microbiota composition and health. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , 2013 , 27, 139-55	2.5	64
77	The effect of enteral supplementation of specific neutral and acidic oligosaccharides on the faecal microbiota and intestinal microenvironment in preterm infants. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , 2013 , 32, 269-76	5.3	26
76	Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides. <i>American Journal of Clinical Nutrition</i> , 2013 , 98, 561S-71S	7	123
75	The immunomodulatory nutritional intervention NR100157 reduced CD4+ T-cell decline and immune activation: a 1-year multicenter randomized controlled double-blind trial in HIV-infected persons not receiving antiretroviral therapy (The BITE Study). <i>Clinical Infectious Diseases</i> , 2013 , 57, 139-46	11.6	56
74	Mother-to-infant transmission of intestinal bifidobacterial strains has an impact on the early development of vaginally delivered infant's microbiota. <i>PLoS ONE</i> , 2013 , 8, e78331	3.7	186
73	Structure and catalytic mechanism of 3-ketosteroid-Delta4-(5)-dehydrogenase from <i>Rhodococcus jostii</i> RHA1 genome. <i>Journal of Biological Chemistry</i> , 2012 , 287, 30975-83	5.4	21

72	The early settlers: intestinal microbiology in early life. <i>Annual Review of Food Science and Technology</i> , 2012 , 3, 425-47	14.7	132
71	Development of the Digestive System-Experimental Challenges and Approaches of Infant Lipid Digestion. <i>Food Digestion</i> , 2012 , 3, 63-77		66
70	Improved detection of bifidobacteria with optimised 16S rRNA-gene based pyrosequencing. <i>PLoS ONE</i> , 2012 , 7, e32543	3.7	143
69	Galectin-9 induced by dietary synbiotics is involved in suppression of allergic symptoms in mice and humans. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2012 , 67, 343-52	9.3	87
68	Analysis of infant isolates of <i>Bifidobacterium breve</i> by comparative genome hybridization indicates the existence of new subspecies with marked infant specificity. <i>Research in Microbiology</i> , 2011 , 162, 664-70	4.0	2
67	A Fermented Infant Milk Formula Reduces Ileal Proteolytic Activity. <i>Pediatric Research</i> , 2011 , 70, 806-806.2	5.2	1
66	Effects of a New Prebiotic Mixture on Faecal Gut Microbiota and the Mucosal Immune System in Healthy Infants. <i>Pediatric Research</i> , 2011 , 70, 579-579	3.2	
65	<i>Bifidobacterium breve</i> - HT-29 cell line interaction: modulation of TNF- α induced gene expression. <i>Beneficial Microbes</i> , 2011 , 2, 115-28	4.9	12
64	Enterotypes of the human gut microbiome. <i>Nature</i> , 2011 , 473, 174-80	50.4	4240
63	<i>Bifidobacterium</i> population analysis in the infant gut by direct mapping of genomic hybridization patterns: potential for monitoring temporal development and effects of dietary regimens. <i>Microbial Biotechnology</i> , 2011 , 4, 417-27	6.3	25
62	Cloning, overexpression, purification, crystallization and preliminary X-ray analysis of 3-ketosteroid (4)-(5)-dehydrogenase from <i>Rhodococcus jostii</i> RHA1. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2011 , 67, 1269-73		3
61	Specific prebiotics modulate gut microbiota and immune activation in HAART-naïve HIV-infected adults: results of the "COPA" pilot randomized trial. <i>Mucosal Immunology</i> , 2011 , 4, 554-63	9.2	137
60	Molecular analysis of faecal and duodenal samples reveals significantly higher prevalence and numbers of <i>Pseudomonas aeruginosa</i> in irritable bowel syndrome. <i>Journal of Medical Microbiology</i> , 2011 , 60, 236-245	3.2	92
59	Bacterial translocation is reduced by a specific nutritional combination in mice with chemotherapy-induced neutropenia. <i>Journal of Nutrition</i> , 2011 , 141, 1292-8	4.1	13
58	Transmission of intestinal <i>Bifidobacterium longum</i> subsp. <i>longum</i> strains from mother to infant, determined by multilocus sequencing typing and amplified fragment length polymorphism. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 6788-93	4.8	145
57	Effect of a new synbiotic mixture on atopic dermatitis in infants: a randomized-controlled trial. <i>Clinical and Experimental Allergy</i> , 2010 , 40, 795-804	4.1	96
56	A human gut microbial gene catalogue established by metagenomic sequencing. <i>Nature</i> , 2010 , 464, 59-65	50.4	7044
55	Oral treatment with probiotics reduces allergic symptoms in ovalbumin-sensitized mice: a bacterial strain comparative study. <i>International Archives of Allergy and Immunology</i> , 2010 , 151, 107-17	3.7	111

54	Exposure of intestinal epithelial cells to UV-killed <i>Lactobacillus</i> GG but not <i>Bifidobacterium breve</i> enhances the effector immune response in vitro. <i>International Archives of Allergy and Immunology</i> , 2010 , 152, 159-68	3.7	30
53	Tolerance and safety of the potentially probiotic strain <i>Lactobacillus rhamnosus</i> PRSF-L477: a randomised, double-blind placebo-controlled trial in healthy volunteers. <i>British Journal of Nutrition</i> , 2010 , 104, 1806-16	3.6	26
52	Specific prebiotic oligosaccharides modulate the early phase of a murine vaccination response. <i>International Immunopharmacology</i> , 2010 , 10, 619-25	5.8	30
51	Gut health: predictive biomarkers for preventive medicine and development of functional foods. <i>British Journal of Nutrition</i> , 2010 , 103, 1539-44	3.6	26
50	Effect of multifibre mixture with prebiotic components on bifidobacteria and stool pH in tube-fed children. <i>British Journal of Nutrition</i> , 2010 , 104, 1514-22	3.6	8
49	Early life: gut microbiota and immune development in infancy. <i>Beneficial Microbes</i> , 2010 , 1, 367-82	4.9	184
48	Intestinal microbiota in allergic and nonallergic 1-year-old very low birth weight infants after neonatal glutamine supplementation. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2010 , 99, 1868-74	3.1	13
47	Lower <i>Bifidobacteria</i> counts in both duodenal mucosa-associated and fecal microbiota in irritable bowel syndrome patients. <i>World Journal of Gastroenterology</i> , 2009 , 15, 2887-92	5.6	204
46	Cow milk allergy symptoms are reduced in mice fed dietary synbiotics during oral sensitization with whey. <i>Journal of Nutrition</i> , 2009 , 139, 1398-403	4.1	105
45	Mixed-species genomic microarray analysis of fecal samples reveals differential transcriptional responses of bifidobacteria in breast- and formula-fed infants. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 2668-76	4.8	90
44	Biosafety assessment of probiotics used for human consumption: recommendations from the EU-PROSAFE project. <i>Trends in Food Science and Technology</i> , 2008 , 19, 102-114	15.3	128
43	Prebiotic oligosaccharides and the enterohepatic circulation of bile salts in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, G540-7	5.1	20
42	Early impairment of gut function and gut flora supporting a role for alteration of gastrointestinal mucosa in human immunodeficiency virus pathogenesis. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 757-8	9.7	166
41	3-Keto-5 α -steroid Delta(1)-dehydrogenase from <i>Rhodococcus erythropolis</i> SQ1 and its orthologue in <i>Mycobacterium tuberculosis</i> H37Rv are highly specific enzymes that function in cholesterol catabolism. <i>Biochemical Journal</i> , 2008 , 410, 339-46	3.8	81
40	Fecal secretory immunoglobulin A is increased in healthy infants who receive a formula with short-chain galacto-oligosaccharides and long-chain fructo-oligosaccharides. <i>Journal of Nutrition</i> , 2008 , 138, 1141-7	4.1	134
39	Carbohydrates in Human Milk and Infant Formulas 2008 , 275-291		3
38	Dietary supplementation of neutral and acidic oligosaccharides enhances Th1-dependent vaccination responses in mice. <i>Pediatric Allergy and Immunology</i> , 2007 , 18, 304-12	4.2	86
37	The effect of glutamine-enriched enteral nutrition on intestinal microflora in very low birth weight infants: a randomized controlled trial. <i>Clinical Nutrition</i> , 2007 , 26, 430-9	5.9	14

36	Effects of galactooligosaccharide and long-chain fructooligosaccharide supplementation during pregnancy on maternal and neonatal microbiota and immunity--a randomized, double-blind, placebo-controlled study. <i>American Journal of Clinical Nutrition</i> , 2007 , 86, 1426-37	7	108
35	Effects of total enteral nutrition supplemented with a multi-fibre mix on faecal short-chain fatty acids and microbiota. <i>Clinical Nutrition</i> , 2006 , 25, 82-90	5.9	79
34	The intestinal bacterial colonisation in preterm infants: a review of the literature. <i>Clinical Nutrition</i> , 2006 , 25, 361-8	5.9	187
33	Quantitative real-time PCR analysis of fecal <i>Lactobacillus</i> species in infants receiving a prebiotic infant formula. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 2359-65	4.8	246
32	A specific prebiotic oligosaccharide mixture stimulates delayed-type hypersensitivity in a murine influenza vaccination model. <i>International Immunopharmacology</i> , 2006 , 6, 1277-86	5.8	105
31	Bifidogenic effects of solid weaning foods with added prebiotic oligosaccharides: a randomised controlled clinical trial. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2006 , 42, 553-9	2.8	75
30	Prebiotic carbohydrates in human milk and formulas. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 18-21	3.1	40
29	Galacto-oligosaccharides and long-chain fructo-oligosaccharides as prebiotics in infant formulas: a review. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 22-6	3.1	78
28	Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 31-3	3.1	49
27	Quantitative real-time PCR assays to identify and quantify fecal <i>Bifidobacterium</i> species in infants receiving a prebiotic infant formula. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 2318-24	4.8	232
26	Colon microflora in infants fed formula with galacto- and fructo-oligosaccharides: more like breast-fed infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2005 , 40, 36-42	2.8	304
25	Effects of infant formula containing a mixture of galacto- and fructo-oligosaccharides or viable <i>Bifidobacterium animalis</i> on the intestinal microflora during the first 4 months of life. <i>British Journal of Nutrition</i> , 2005 , 94, 783-90	3.6	166
24	Strain-specific effects of probiotics on gut barrier integrity following hemorrhagic shock. <i>Infection and Immunity</i> , 2005 , 73, 3686-92	3.7	85
23	The <i>gusBC</i> genes of <i>Escherichia coli</i> encode a glucuronide transport system. <i>Journal of Bacteriology</i> , 2005 , 187, 2377-85	3.5	50
22	Prebiotic carbohydrates in human milk and formulas. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 18-21	3.1	68
21	Galacto-oligosaccharides and long-chain fructo-oligosaccharides as prebiotics in infant formulas: A review. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 22-26	3.1	103
20	Increase of faecal bifidobacteria due to dietary oligosaccharides induces a reduction of clinically relevant pathogen germs in the faeces of formula-fed preterm infants. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 31-33	3.1	98
19	Prebiotics in infant formulas. <i>Journal of Clinical Gastroenterology</i> , 2004 , 38, S76-9	3	97

18	Prebiotics and immune responses. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2004 , 39 Suppl 3, S772-3	2.8	21
17	134 Effect of Colonic Short Chain Fatty Acids, Lactate and PH on The Growth of Common Gut Pathogens. <i>Pediatric Research</i> , 2004 , 56, 487-487	3.2	16
16	Randomized double-blind study of the nutritional efficacy and bifidogenicity of a new infant formula containing partially hydrolyzed protein, a high beta-palmitic acid level, and nondigestible oligosaccharides. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2003 , 36, 343-51	2.8	125
15	Quaternary structure of the lactose transport protein of <i>Streptococcus thermophilus</i> in the detergent-solubilized and membrane-reconstituted state. <i>Journal of Biological Chemistry</i> , 2000 , 275, 33527-35	5.4	36
14	Development of 16S rRNA-based probes for the Coriobacterium group and the Atopobium cluster and their application for enumeration of Coriobacteriaceae in human feces from volunteers of different age groups. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 4523-7	4.8	256
13	Close approximation of putative alpha-helices II, IV, VII, X, and XI in the translocation pathway of the lactose transport protein of <i>Streptococcus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 2000 , 275, 23834-40	5.4	9
12	Rotational mobility and orientational stability of a transport protein in lipid membranes. <i>Biophysical Journal</i> , 2000 , 79, 756-66	2.9	29
11	Amplified expression and membrane reconstitution of transport proteins. <i>Biochemical Society Transactions</i> , 1999 , 27, 912-7	5.1	4
10	Detergent-mediated reconstitution of membrane proteins. <i>Biochemistry</i> , 1998 , 37, 16410-5	3.2	133
9	Amplified expression, purification and functional reconstitution of the dipeptide and tripeptide transport protein of <i>Lactococcus lactis</i> . <i>FEBS Journal</i> , 1997 , 247, 581-7		17
8	Unidirectional reconstitution into detergent-destabilized liposomes of the purified lactose transport system of <i>Streptococcus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 1996 , 271, 15358-66	5.4	97
7	Purification and reconstitution of the glutamate carrier GltT of the thermophilic bacterium <i>Bacillus stearothermophilus</i> . <i>Biochemistry</i> , 1996 , 35, 6150-6	3.2	55
6	Cation and sugar selectivity determinants in a novel family of transport proteins. <i>Molecular Microbiology</i> , 1996 , 19, 911-22	4.1	155
5	Kinetic analysis of lactose and proton coupling in Glu379 mutants of the lactose transport protein of <i>Streptococcus thermophilus</i> . <i>Journal of Biological Chemistry</i> , 1995 , 270, 12995-3003	5.4	26
4	Regulation of bacterial sugar-H ⁺ symport by phosphoenolpyruvate-dependent enzyme I/HPr-mediated phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1995 , 92, 778-82	11.5	54
3	Directed genomic integration, gene replacement, and integrative gene expression in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , 1993 , 175, 4315-24	3.5	47
2	A Kdp-like, high-affinity, K ⁺ -translocating ATPase is expressed during growth of <i>Rhodobacter sphaeroides</i> in low potassium media. <i>Archives of Microbiology</i> , 1992 , 158, 374-380	3	5
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