

# Jan Knol

## List of Publications by Citations

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161  
papers

26,618  
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57  
h-index

163  
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180  
ext. papers

32,313  
ext. citations

6.8  
avg, IF

6.18  
L-index

#	Paper	IF	Citations
161	A human gut microbial gene catalogue established by metagenomic sequencing. <i>Nature</i> , <b>2010</b> , 464, 59-65	50.4	7044
160	Enterotypes of the human gut microbiome. <i>Nature</i> , <b>2011</b> , 473, 174-80	50.4	4240
159	Richness of human gut microbiome correlates with metabolic markers. <i>Nature</i> , <b>2013</b> , 500, 541-6	50.4	2584
158	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. <i>Nature</i> , <b>2015</b> , 528, 262-266	50.4	1107
157	An integrated catalog of reference genes in the human gut microbiome. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 834-41	44.5	1088
156	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , <b>2016</b> , 535, 376-81	50.4	977
155	Identification and assembly of genomes and genetic elements in complex metagenomic samples without using reference genomes. <i>Nature Biotechnology</i> , <b>2014</b> , 32, 822-8	44.5	624
154	Colon microflora in infants fed formula with galacto- and fructo-oligosaccharides: more like breast-fed infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2005</b> , 40, 36-42	2.8	304
153	Altered gut microbiota and activity in a murine model of autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , <b>2014</b> , 37, 197-206	16.6	268
152	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> , <b>2000</b> , 66, 4523-7	4.8	256
151	Quantitative real-time PCR analysis of fecal Lactobacillus species in infants receiving a prebiotic infant formula. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 2359-65	4.8	246
150	Early-Life Events, Including Mode of Delivery and Type of Feeding, Siblings and Gender, Shape the Developing Gut Microbiota. <i>PLoS ONE</i> , <b>2016</b> , 11, e0158498	3.7	236
149	Quantitative real-time PCR assays to identify and quantify fecal Bifidobacterium species in infants receiving a prebiotic infant formula. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 2318-24	4.8	232
148	Human milk: a source of more life than we imagine. <i>Beneficial Microbes</i> , <b>2013</b> , 4, 17-30	4.9	219
147	Lower Bifidobacteria counts in both duodenal mucosa-associated and fecal microbiota in irritable bowel syndrome patients. <i>World Journal of Gastroenterology</i> , <b>2009</b> , 15, 2887-92	5.6	204
146	The first thousand days - intestinal microbiology of early life: establishing a symbiosis. <i>Pediatric Allergy and Immunology</i> , <b>2014</b> , 25, 428-38	4.2	187
145	The intestinal bacterial colonisation in preterm infants: a review of the literature. <i>Clinical Nutrition</i> , <b>2006</b> , 25, 361-8	5.9	187

144	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> , <b>2013</b> , 8, e78331	3.7	186
143	Early life: gut microbiota and immune development in infancy. <i>Beneficial Microbes</i> , <b>2010</b> , 1, 367-82	4.9	184
142	Postbiotics and Their Potential Applications in Early Life Nutrition and Beyond. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	169
141	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> , <b>2008</b> , 46, 757-8	9.7	166
140	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> , <b>2005</b> , 94, 783-90	3.6	166
139	Microbial Metabolic Networks at the Mucus Layer Lead to Diet-Independent Butyrate and Vitamin B Production by Intestinal Symbionts. <i>MBio</i> , <b>2017</b> , 8,	7.8	163
138	Cation and sugar selectivity determinants in a novel family of transport proteins. <i>Molecular Microbiology</i> , <b>1996</b> , 19, 911-22	4.1	155
137	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> , <b>2011</b> , 77, 6788-93	4.8	145
136	Improved detection of bifidobacteria with optimised 16S rRNA-gene based pyrosequencing. <i>PLoS ONE</i> , <b>2012</b> , 7, e32543	3.7	143
135	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> , <b>2011</b> , 4, 554-63	9.2	137
134	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> , <b>2008</b> , 138, 1141-7	4.1	134
133	Detergent-mediated reconstitution of membrane proteins. <i>Biochemistry</i> , <b>1998</b> , 37, 16410-5	3.2	133
132	The early settlers: intestinal microbiology in early life. <i>Annual Review of Food Science and Technology</i> , <b>2012</b> , 3, 425-47	14.7	132
131	Biosafety assessment of probiotics used for human consumption: recommendations from the EU-PROSAFE project. <i>Trends in Food Science and Technology</i> , <b>2008</b> , 19, 102-114	15.3	128
130	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> , <b>2003</b> , 36, 343-51	2.8	125
129	Intestinal microbiology in early life: specific prebiotics can have similar functionalities as human-milk oligosaccharides. <i>American Journal of Clinical Nutrition</i> , <b>2013</b> , 98, 561S-71S	7	123
128	Oral treatment with probiotics reduces allergic symptoms in ovalbumin-sensitized mice: a bacterial strain comparative study. <i>International Archives of Allergy and Immunology</i> , <b>2010</b> , 151, 107-17	3.7	111
127	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> , <b>2007</b> , 86, 1426-37	7	108

126	Cow milk allergy symptoms are reduced in mice fed dietary synbiotics during oral sensitization with whey. <i>Journal of Nutrition</i> , <b>2009</b> , 139, 1398-403	4.1	105
125	A specific prebiotic oligosaccharide mixture stimulates delayed-type hypersensitivity in a murine influenza vaccination model. <i>International Immunopharmacology</i> , <b>2006</b> , 6, 1277-86	5.8	105
124	Galacto-oligosaccharides and long-chain fructo-oligosaccharides as prebiotics in infant formulas: A review. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2005</b> , 94, 22-26	3.1	103
123	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> , <b>2005</b> , 94, 31-33	3.1	98
122	Unidirectional reconstitution into detergent-destabilized liposomes of the purified lactose transport system of <i>Streptococcus thermophilus</i> . <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 15358-66	5.4	97
121	Prebiotics in infant formulas. <i>Journal of Clinical Gastroenterology</i> , <b>2004</b> , 38, S76-9	3	97
120	Effect of a new synbiotic mixture on atopic dermatitis in infants: a randomized-controlled trial. <i>Clinical and Experimental Allergy</i> , <b>2010</b> , 40, 795-804	4.1	96
119	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> , <b>2011</b> , 60, 236-245	3.2	92
118	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> , <b>2009</b> , 75, 2668-76	4.8	90
117	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> , <b>2012</b> , 67, 343-52	9.3	87
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> , <b>2018</b> , 141, 1334-1342.e5	11.5	86
115	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> , <b>2013</b> , 98, 586S-93S	7	86
114	Dietary supplementation of neutral and acidic oligosaccharides enhances Th1-dependent vaccination responses in mice. <i>Pediatric Allergy and Immunology</i> , <b>2007</b> , 18, 304-12	4.2	86
113	Strain-specific effects of probiotics on gut barrier integrity following hemorrhagic shock. <i>Infection and Immunity</i> , <b>2005</b> , 73, 3686-92	3.7	85
112	3-Keto-5alpha-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> , <b>2008</b> , 410, 339-46	3.8	81
111	Effects of total enteral nutrition supplemented with a multi-fibre mix on faecal short-chain fatty acids and microbiota. <i>Clinical Nutrition</i> , <b>2006</b> , 25, 82-90	5.9	79
110	Galacto-oligosaccharides and long-chain fructo-oligosaccharides as prebiotics in infant formulas: a review. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2005</b> , 94, 22-6	3.1	78
109	Bifidogenic effects of solid weaning foods with added prebiotic oligosaccharides: a randomised controlled clinical trial. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2006</b> , 42, 553-9	2.8	75

108	Gut Microbiota Dysbiosis as Risk and Premorbid Factors of IBD and IBS Along the Childhood-Adulthood Transition. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 487-504	4.5	69
107	Prebiotic carbohydrates in human milk and formulas. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2005</b> , 94, 18-21	3.1	68
106	Development of the Digestive System-Experimental Challenges and Approaches of Infant Lipid Digestion. <i>Food Digestion</i> , <b>2012</b> , 3, 63-77		66
105	Influence of fermented milk products, prebiotics and probiotics on microbiota composition and health. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , <b>2013</b> , 27, 139-55	2.5	64
104	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> , <b>2013</b> , 57, 139-46	11.6	56
103	Purification and reconstitution of the glutamate carrier GltT of the thermophilic bacterium <i>Bacillus stearothermophilus</i> . <i>Biochemistry</i> , <b>1996</b> , 35, 6150-6	3.2	55
102	Intervention strategies for cesarean section-induced alterations in the microbiota-gut-brain axis. <i>Nutrition Reviews</i> , <b>2017</b> , 75, 225-240	6.4	54
101	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> , <b>2018</b> , 111, 859-873	2.1	54
100	Regulation of bacterial sugar-H <sup>+</sup> symport by phosphoenolpyruvate-dependent enzyme I/HPr-mediated phosphorylation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 778-82	11.5	54
99	The Preterm Gut Microbiota: An Inconspicuous Challenge in Nutritional Neonatal Care. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 85	5.9	50
98	The <i>gusBC</i> genes of <i>Escherichia coli</i> encode a glucuronide transport system. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 2377-85	3.5	50
97	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> , <b>2005</b> , 94, 31-3	3.1	49
96	Directed genomic integration, gene replacement, and integrative gene expression in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , <b>1993</b> , 175, 4315-24	3.5	47
95	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> , <b>2017</b> , 65, 102-106	2.8	46
94	Aberrant intestinal microbiota due to IL-1 receptor antagonist deficiency promotes IL-17- and TLR4-dependent arthritis. <i>Microbiome</i> , <b>2017</b> , 5, 63	16.6	42
93	A synbiotic-containing amino-acid-based formula improves gut microbiota in non-IgE-mediated allergic infants. <i>Pediatric Research</i> , <b>2018</b> , 83, 677-686	3.2	42
92	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> , <b>2018</b> , 37, 475-483	5.3	40
91	Prebiotic carbohydrates in human milk and formulas. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2005</b> , 94, 18-21	3.1	40

90	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> , <b>2016</b> , 8, 1889-905	3.9	39
89	Sex differences in lipid metabolism are affected by presence of the gut microbiota. <i>Scientific Reports</i> , <b>2018</b> , 8, 13426	4.9	39
88	Enduring Behavioral Effects Induced by Birth by Caesarean Section in the Mouse. <i>Current Biology</i> , <b>2020</b> , 30, 3761-3774.e6	6.3	36
87	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> , <b>2015</b> , 3, 641-66	4.9	36
86	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> , <b>2000</b> , 275, 33527-35	5.4	36
85	Targeting the gut microbiota to influence brain development and function in early life. <i>Neuroscience and Biobehavioral Reviews</i> , <b>2018</b> , 95, 191-201	9	36
84	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> , <b>2015</b> , 211, 156-65	7	35
83	<i>Akkermansia muciniphila</i> uses human milk oligosaccharides to thrive in the early life conditions in vitro. <i>Scientific Reports</i> , <b>2020</b> , 10, 14330	4.9	35
82	Multilocus sequence typing of bifidobacterial strains from infant faeces and human milk: are bifidobacteria being sustainably shared during breastfeeding?. <i>Beneficial Microbes</i> , <b>2015</b> , 6, 563-72	4.9	34
81	A combination of scGOS/lcFOS with <i>Bifidobacterium breve</i> M-16V protects suckling rats from rotavirus gastroenteritis. <i>European Journal of Nutrition</i> , <b>2017</b> , 56, 1657-1670	5.2	32
80	Exposure of intestinal epithelial cells to UV-killed <i>Lactobacillus GG</i> but not <i>Bifidobacterium breve</i> enhances the effector immune response in vitro. <i>International Archives of Allergy and Immunology</i> , <b>2010</b> , 152, 159-68	3.7	30
79	Specific prebiotic oligosaccharides modulate the early phase of a murine vaccination response. <i>International Immunopharmacology</i> , <b>2010</b> , 10, 619-25	5.8	30
78	Correlation of <i>Lactobacillus rhamnosus</i> Genotypes and Carbohydrate Utilization Signatures Determined by Phenotype Profiling. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 5458-70	4.8	29
77	Specific synbiotics in early life protect against diet-induced obesity in adult mice. <i>Diabetes, Obesity and Metabolism</i> , <b>2018</b> , 20, 1408-1418	6.7	29
76	Rotational mobility and orientational stability of a transport protein in lipid membranes. <i>Biophysical Journal</i> , <b>2000</b> , 79, 756-66	2.9	29
75	Comparative genome and methylome analysis reveals restriction/modification system diversity in the gut commensal <i>Bifidobacterium breve</i> . <i>Nucleic Acids Research</i> , <b>2018</b> , 46, 1860-1877	20.1	27
74	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> , <b>2018</b> , 9, 1318	8.4	27
73	Comparative genomics and genotype-phenotype associations in <i>Bifidobacterium breve</i> . <i>Scientific Reports</i> , <b>2018</b> , 8, 10633	4.9	27



72	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> , <b>2013</b> , 32, 269-76	5.3	26
71	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> , <b>2010</b> , 104, 1806-16	3.6	26
70	Gut health: predictive biomarkers for preventive medicine and development of functional foods. <i>British Journal of Nutrition</i> , <b>2010</b> , 103, 1539-44	3.6	26
69	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> , <b>1995</b> , 270, 12995-3003	5.4	26
68	Prevention of Rotavirus Diarrhea in Suckling Rats by a Specific Fermented Milk Concentrate with Prebiotic Mixture. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	25
67	Metaproteomics reveals functional differences in intestinal microbiota development of preterm infants. <i>Molecular and Cellular Proteomics</i> , <b>2017</b> , 16, 1610-1620	7.6	25
66	Bifidobacterium 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> , <b>2011</b> , 4, 417-27	6.3	25
65	Prewaning modulation of intestinal microbiota by oligosaccharides or amoxicillin can contribute to programming of adult microbiota in rats. <i>Nutrition</i> , <b>2015</b> , 31, 515-22	4.8	24
64	Ratio of <i>Klebsiella</i> / <i>Bifidobacterium</i> in early life correlates with later development of paediatric allergy. <i>Beneficial Microbes</i> , <b>2017</b> , 8, 681-695	4.9	22
63	A novel protein mixture containing vegetable proteins renders enteral nutrition products non-coagulating after <i>in vitro</i> gastric digestion. <i>Clinical Nutrition</i> , <b>2013</b> , 32, 765-71	5.9	21
62	Structure and catalytic mechanism of 3-ketosteroid-Delta4-(5)-dehydrogenase from <i>Rhodococcus jostii</i> RHA1 genome. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 30975-83	5.4	21
61	Prebiotics and immune responses. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2004</b> , 39 Suppl 3, S772-3	2.8	21
60	A compromised developmental trajectory of the infant gut microbiome and metabolome in atopic eczema. <i>Gut Microbes</i> , <b>2020</b> , 12, 1-22	8.8	21
59	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> , <b>2016</b> , 5, e42	2.7	21
58	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> , <b>2017</b> , 117, 209-217	3.6	20
57	Prebiotic oligosaccharides and the enterohepatic circulation of bile salts in rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 294, G540-7	5.1	20
56	Strain-Specific Probiotic Properties of Bifidobacteria and Lactobacilli for the Prevention of Diarrhea Caused by Rotavirus in a Preclinical Model. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	20
55	The Bifidogenic Effect Revisited-Ecology and Health Perspectives of Bifidobacterial Colonization in Early Life. <i>Microorganisms</i> , <b>2020</b> , 8,	4.9	19

54	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> , <b>2019</b> , 9, 5	5.2	18
53	Amplified expression, purification and functional reconstitution of the dipeptide and tripeptide transport protein of <i>Lactococcus lactis</i> . <i>FEBS Journal</i> , <b>1997</b> , 247, 581-7		17
52	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> , <b>2021</b> , 40, 778-787	5.9	17
51	Early-life origin of intestinal inflammatory disorders. <i>Nutrition Reviews</i> , <b>2017</b> , 75, 175-187	6.4	16
50	134 Effect of Colonic Short Chain Fatty Acids, Lactate and PH on The Growth of Common Gut Pathogens. <i>Pediatric Research</i> , <b>2004</b> , 56, 487-487	3.2	16
49	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> , <b>2019</b> , 9, 27	5.2	15
48	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> , <b>2020</b> , 23, 896-910	3.6	15
47	Longitudinal Investigation of Carriage Rates, Counts, and Genotypes of Toxigenic <i>Clostridium difficile</i> in Early Infancy. <i>Applied and Environmental Microbiology</i> , <b>2016</b> , 82, 5806-14	4.8	14
46	The effect of glutamine-enriched enteral nutrition on intestinal microflora in very low birth weight infants: a randomized controlled trial. <i>Clinical Nutrition</i> , <b>2007</b> , 26, 430-9	5.9	14
45	Bacterial translocation is reduced by a specific nutritional combination in mice with chemotherapy-induced neutropenia. <i>Journal of Nutrition</i> , <b>2011</b> , 141, 1292-8	4.1	13
44	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> , <b>2010</b> , 99, 1868-74	3.1	13
43	Microbial transmission from mother to child: improving infant intestinal microbiota development by identifying the obstacles. <i>Critical Reviews in Microbiology</i> , <b>2019</b> , 45, 613-648	7.8	13
42	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> , <b>2019</b> , 12, 100034	5.2	12
41	Oligosaccharides Modulate Rotavirus-Associated Dysbiosis and TLR Gene Expression in Neonatal Rats. <i>Cells</i> , <b>2019</b> , 8,	7.9	12
40	<i>Bifidobacterium breve</i> - HT-29 cell line interaction: modulation of TNF- $\alpha$ induced gene expression. <i>Beneficial Microbes</i> , <b>2011</b> , 2, 115-28	4.9	12
39	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> , <b>2018</b> , 9, 541-552	4.9	11
38	Impact of synbiotics on gut microbiota during early life: a randomized, double-blind study. <i>Scientific Reports</i> , <b>2021</b> , 11, 3534	4.9	10
37	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> , <b>2019</b> , 74, 1790-1793	9.3	9



36	Dynamics of the bacterial gut microbiota in preterm and term infants after intravenous amoxicillin/ceftazidime treatment. <i>BMC Pediatrics</i> , <b>2020</b> , 20, 195	2.6	9
35	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> , <b>2000</b> , 275, 23834-40	5.4	9
34	Metaproteomic and 16S rRNA Gene Sequencing Analysis of the Infant Fecal Microbiome. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	8
33	Effect of multifibre mixture with prebiotic components on bifidobacteria and stool pH in tube-fed children. <i>British Journal of Nutrition</i> , <b>2010</b> , 104, 1514-22	3.6	8
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