

Jan Knol

List of Publications by Year in descending order

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174
papers

36,206
citations

17440

63
h-index

4884

168
g-index

180
all docs

180
docs citations

180
times ranked

36240
citing authors

#	ARTICLE	IF	CITATIONS
1	A human gut microbial gene catalogue established by metagenomic sequencing. <i>Nature</i> , 2010, 464, 59-65.	27.8	9,342
2	Enterotypes of the human gut microbiome. <i>Nature</i> , 2011, 473, 174-180.	27.8	5,800
3	Richness of human gut microbiome correlates with metabolic markers. <i>Nature</i> , 2013, 500, 541-546.	27.8	3,641
4	An integrated catalog of reference genes in the human gut microbiome. <i>Nature Biotechnology</i> , 2014, 32, 834-841.	17.5	1,664
5	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. <i>Nature</i> , 2015, 528, 262-266.	27.8	1,627
6	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016, 535, 376-381.	27.8	1,506
7	Identification and assembly of genomes and genetic elements in complex metagenomic samples without using reference genomes. <i>Nature Biotechnology</i> , 2014, 32, 822-828.	17.5	909
8	Altered gut microbiota and activity in a murine model of autism spectrum disorders. <i>Brain, Behavior, and Immunity</i> , 2014, 37, 197-206.	4.1	366
9	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.	1.8	352
10	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.	2.5	334
11	Postbiotics and Their Potential Applications in Early Life Nutrition and Beyond. <i>International Journal of Molecular Sciences</i> , 2019, 20, 4673.	4.1	310
12	Human milk: a source of more life than we imagine. <i>Beneficial Microbes</i> , 2013, 4, 17-30.	2.4	293
13	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, 2359-2365.	3.1	292
14	Development of 16S rRNA-Based Probes for the <i>Coriobacterium</i> Group and the <i>Atopobium</i> Cluster and Their Application for Enumeration of <i>Coriobacteriaceae</i> in Human Feces from Volunteers of Different Age Groups. <i>Applied and Environmental Microbiology</i> , 2000, 66, 4523-4527.	3.1	281
15	Microbial Metabolic Networks at the Mucus Layer Lead to Diet-Independent Butyrate and Vitamin B ₁₂ Production by Intestinal Symbionts. <i>MBio</i> , 2017, 8, .	4.1	269
16	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, 2318-2324.	3.1	255
17	Early life: gut microbiota and immune development in infancy. <i>Beneficial Microbes</i> , 2010, 1, 367-382.	2.4	246
18	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.	3.3	245

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19	The first thousand days – intestinal microbiology of early life: establishing a symbiosis. <i>Pediatric Allergy and Immunology</i> , 2014, 25, 428-438.	2.6	244
20	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.	2.5	231
21	The intestinal bacterial colonisation in preterm infants: A review of the literature. <i>Clinical Nutrition</i> , 2006, 25, 361-368.	5.0	212
22	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, 757-758.	3.9	191
23	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, 783-790.	2.3	186
24	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, 554-563.	6.0	177
25	Cation and sugar selectivity determinants in a novel family of transport proteins. <i>Molecular Microbiology</i> , 1996, 19, 911-922.	2.5	174
26	Improved Detection of Bifidobacteria with Optimised 16S rRNA-Gene Based Pyrosequencing. <i>PLoS ONE</i> , 2012, 7, e32543.	2.5	170
27	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, 6788-6793.	3.1	166
28	The Early Settlers: Intestinal Microbiology in Early Life. <i>Annual Review of Food Science and Technology</i> , 2012, 3, 425-447.	9.9	164
29	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-571S.	4.7	150
30	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.	15.1	149
31	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, 1141-1147.	2.9	147
32	Randomized Double-Blind Study of the Nutritional Efficacy and Bifidogenicity of a New Infant Formula Containing Partially Hydrolyzed Protein, a High β -Palmitic Acid Level, and Nondigestible Oligosaccharides. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2003, 36, 343-351.	1.8	146
33	Detergent-Mediated Reconstitution of Membrane Proteins. <i>Biochemistry</i> , 1998, 37, 16410-16415.	2.5	145
34	Cow Milk Allergy Symptoms Are Reduced in Mice Fed Dietary Synbiotics during Oral Sensitization with Whey. <i>Journal of Nutrition</i> , 2009, 139, 1398-1403.	2.9	131
35	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.	1.5	130
36	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.	2.9	128

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37	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.	2.9	128
38	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, 107-117.	2.1	125
39	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, 1426-1437.	4.7	118
40	A specific prebiotic oligosaccharide mixture stimulates delayed-type hypersensitivity in a murine influenza vaccination model. <i>International Immunopharmacology</i> , 2006, 6, 1277-1286.	3.8	117
41	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.	1.9	117
42	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.	1.5	115
43	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.	1.8	115
44	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, 343-352.	5.7	111
45	Unidirectional Reconstitution into Detergent-destabilized Liposomes of the Purified Lactose Transport System of. <i>Journal of Biological Chemistry</i> , 1996, 271, 15358-15366.	3.4	109
46	Prebiotics in Infant Formulas. <i>Journal of Clinical Gastroenterology</i> , 2004, 38, S76-S79.	2.2	109
47	Strain-Specific Effects of Probiotics on Gut Barrier Integrity following Hemorrhagic Shock. <i>Infection and Immunity</i> , 2005, 73, 3686-3692.	2.2	102
48	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, 2668-2676.	3.1	100
49	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-593S.	4.7	100
50	The Preterm Gut Microbiota: An Inconspicuous Challenge in Nutritional Neonatal Care. <i>Frontiers in Cellular and Infection Microbiology</i> , 2019, 9, 85.	3.9	99
51	Dietary supplementation of neutral and acidic oligosaccharides enhances Th1-dependent vaccination responses in mice. <i>Pediatric Allergy and Immunology</i> , 2007, 18, 304-312.	2.6	98
52	<i>Akkermansia muciniphila</i> uses human milk oligosaccharides to thrive in the early life conditions in vitro. <i>Scientific Reports</i> , 2020, 10, 14330.	3.3	96
53	3-Keto-5 β -steroid 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, 339-346.	3.7	94
54	Bifidogenic Effects of Solid Weaning Foods With Added Prebiotic Oligosaccharides. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2006, 42, 553-559.	1.8	92

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55	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.	1.5	92
56	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.	5.0	90
57	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.	1.7	90
58	Influence of fermented milk products, prebiotics and probiotics on microbiota composition and health. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2013, 27, 139-155.	2.4	83
59	Development of the Digestive System—Experimental Challenges and Approaches of Infant Lipid Digestion. <i>Food Digestion</i> , 2012, 3, 63-77.	0.9	82
60	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, 139-146.	5.8	79
61	A synbiotic-containing amino-acid-based formula improves gut microbiota in non-IgE-mediated allergic infants. <i>Pediatric Research</i> , 2018, 83, 677-686.	2.3	76
62	Intervention strategies for cesarean section—induced alterations in the microbiota-gut-brain axis. <i>Nutrition Reviews</i> , 2017, 75, 225-240.	5.8	73
63	Aberrant intestinal microbiota due to IL-1 receptor antagonist deficiency promotes IL-17- and TLR4-dependent arthritis. <i>Microbiome</i> , 2017, 5, 63.	11.1	73
64	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.	2.9	73
65	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, 778-782.	7.1	70
66	Prebiotic carbohydrates in human milk and formulas. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005, 94, 18-21.	1.5	70
67	Effect of Synbiotic on the Gut Microbiota of Cesarean Delivered Infants. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2017, 65, 102-106.	1.8	70
68	Sex differences in lipid metabolism are affected by presence of the gut microbiota. <i>Scientific Reports</i> , 2018, 8, 13426.	3.3	68
69	Enduring Behavioral Effects Induced by Birth by Caesarean Section in the Mouse. <i>Current Biology</i> , 2020, 30, 3761-3774.e6.	3.9	65
70	The <i>gusBC</i> Genes of <i>Escherichia coli</i> Encode a Glucuronide Transport System. <i>Journal of Bacteriology</i> , 2005, 187, 2377-2385.	2.2	61
71	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.	1.5	61
72	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, 641-666.	3.6	61

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73	Purification and Reconstitution of the Glutamate Carrier GltT of the Thermophilic Bacterium <i>Bacillus stearothermophilus</i> . <i>Biochemistry</i> , 1996, 35, 6150-6156.	2.5	59
74	Targeting the gut microbiota to influence brain development and function in early life. <i>Neuroscience and Biobehavioral Reviews</i> , 2018, 95, 191-201.	6.1	57
75	Directed genomic integration, gene replacement, and integrative gene expression in <i>Streptococcus thermophilus</i> . <i>Journal of Bacteriology</i> , 1993, 175, 4315-4324.	2.2	56
76	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, 1889-1905.	2.5	53
77	A compromised developmental trajectory of the infant gut microbiome and metabolome in atopic eczema. <i>Gut Microbes</i> , 2020, 12, 1801964.	9.8	51
78	Prebiotic carbohydrates in human milk and formulas. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005, 94, 18-21.	1.5	50
79	Correlation of <i>Lactobacillus rhamnosus</i> Genotypes and Carbohydrate Utilization Signatures Determined by Phenotype Profiling. <i>Applied and Environmental Microbiology</i> , 2015, 81, 5458-5470.	3.1	46
80	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.	14.5	46
81	Specific synbiotics in early life protect against diet-induced obesity in adult mice. <i>Diabetes, Obesity and Metabolism</i> , 2018, 20, 1408-1418.	4.4	45
82	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, 156-165.	4.0	43
83	Ratio of <i>Klebsiella/Bifidobacterium</i> in early life correlates with later development of paediatric allergy. <i>Beneficial Microbes</i> , 2017, 8, 681-695.	2.4	43
84	Strain-Specific Probiotic Properties of <i>Bifidobacteria</i> and <i>Lactobacilli</i> for the Prevention of Diarrhea Caused by Rotavirus in a Preclinical Model. <i>Nutrients</i> , 2020, 12, 498.	4.1	41
85	Multilocus sequence typing of bifidobacterial strains from infant's faeces and human milk: are bifidobacteria being sustainably shared during breastfeeding?. <i>Beneficial Microbes</i> , 2015, 6, 563-572.	2.4	40
86	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.	3.9	40
87	Comparative genomics and genotype-phenotype associations in <i>Bifidobacterium breve</i> . <i>Scientific Reports</i> , 2018, 8, 10633.	3.3	37
88	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, 33527-33535.	3.4	36
89	Metaproteomics reveals functional differences in intestinal microbiota development of preterm infants. <i>Molecular and Cellular Proteomics</i> , 2017, 16, 1610-1620.	3.8	35
90	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> , 2010, 152, 159-168.	2.1	34

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91	Preventive Effect of a Synbiotic Combination of Galacto- and Fructooligosaccharides Mixture With <i>Bifidobacterium breve</i> M-16V in a Model of Multiple Rotavirus Infections. <i>Frontiers in Immunology</i> , 2018, 9, 1318.	4.8	34
92	Prevention of Rotavirus Diarrhea in Suckling Rats by a Specific Fermented Milk Concentrate with Prebiotic Mixture. <i>Nutrients</i> , 2019, 11, 189.	4.1	34
93	Specific prebiotic oligosaccharides modulate the early phase of a murine vaccination response. <i>International Immunopharmacology</i> , 2010, 10, 619-625.	3.8	33
94	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, 269-276.	2.9	32
95	Prewaning modulation of intestinal microbiota by oligosaccharides or amoxicillin can contribute to programming of adult microbiota in rats. <i>Nutrition</i> , 2015, 31, 515-522.	2.4	32
96	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.	3.2	32
97	The Bifidogenic Effect Revisited—Ecology and Health Perspectives of Bifidobacterial Colonization in Early Life. <i>Microorganisms</i> , 2020, 8, 1855.	3.6	31
98	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, 12995-13003.	3.4	30
99	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.	6.1	30
100	Rotational Mobility and Orientational Stability of a Transport Protein in Lipid Membranes. <i>Biophysical Journal</i> , 2000, 79, 756-766.	0.5	29
101	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, 765-771.	5.0	29
102	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.	5.0	29
103	Gut health: predictive biomarkers for preventive medicine and development of functional foods. <i>British Journal of Nutrition</i> , 2010, 103, 1539-1544.	2.3	28
104	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, 1806-1816.	2.3	28
105	<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, 417-427.	4.2	27
106	Infant formula containing galacto-and fructo-oligosaccharides and <i>Bifidobacterium breve</i> 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.	1.9	27
107	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.	3.1	27
108	<i>Bacteroides thetaiotaomicron</i> Fosters the Growth of Butyrate-Producing <i>Anaerostipes caccae</i> in the Presence of Lactose and Total Human Milk Carbohydrates. <i>Microorganisms</i> , 2020, 8, 1513.	3.6	26

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109	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> , 2022, 149, 650-658.e5.	2.9	26
110	Structure and Catalytic Mechanism of 3-Ketosteroid-4-(5 α)-dehydrogenase from <i>Rhodococcus jostii</i> RHA1 Genome. <i>Journal of Biological Chemistry</i> , 2012, 287, 30975-30983.	3.4	25
111	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.	2.3	25
112	Cross-feeding between <i>Bifidobacterium infantis</i> and <i>Anaerostipes caccae</i> on lactose and human milk oligosaccharides. <i>Beneficial Microbes</i> , 2021, 12, 69-83.	2.4	25
113	Prebiotics and Immune Responses. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2004, 39, S772-S773.	1.8	24
114	Early-life origin of intestinal inflammatory disorders. <i>Nutrition Reviews</i> , 2017, 75, 175-187.	5.8	24
115	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.	3.2	24
116	Prebiotic oligosaccharides and the enterohepatic circulation of bile salts in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2008, 294, G540-G547.	3.4	23
117	Early life antibiotics and childhood gastrointestinal disorders: a systematic review. <i>BMJ Paediatrics Open</i> , 2021, 5, e001028.	1.4	22
118	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.	2.4	21
119	Oligosaccharides Modulate Rotavirus-Associated Dysbiosis and TLR Gene Expression in Neonatal Rats. <i>Cells</i> , 2019, 8, 876.	4.1	21
120	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.	3.5	21
121	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.	2.3	20
122	Amplified Expression, Purification and Functional Reconstitution of the Dipeptide and Tripeptide Transport Protein of <i>Lactococcus Lactis</i> . <i>FEBS Journal</i> , 1997, 247, 581-587.	0.2	19
123	Bacterial Translocation Is Reduced by a Specific Nutritional Combination in Mice with Chemotherapy-Induced Neutropenia. <i>Journal of Nutrition</i> , 2011, 141, 1292-1298.	2.9	19
124	Impact of synbiotics on gut microbiota during early life: a randomized, double-blind study. <i>Scientific Reports</i> , 2021, 11, 3534.	3.3	19
125	Influence of timing of maternal antibiotic administration during caesarean section on infant microbial colonisation: a randomised controlled trial. <i>Gut</i> , 2022, 71, 1803-1811.	12.1	19
126	<i>Bifidobacterium breve</i> HT-29 cell line interaction: modulation of TNF-induced gene expression. <i>Beneficial Microbes</i> , 2011, 2, 115-128.	2.4	18

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127	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, 5806-5814.	3.1	18
128	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.	3.5	18
129	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.	5.7	17
130	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.	2.4	16
131	Dynamics of the bacterial gut microbiota in preterm and term infants after intravenous amoxicillin/ceftazidime treatment. <i>BMC Pediatrics</i> , 2020, 20, 195.	1.7	16
132	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, 430-439.	5.0	15
133	A Continuous Battle for Host-Derived Glycans Between a Mucus Specialist and a Glycan Generalist in vitro and in vivo. <i>Frontiers in Microbiology</i> , 2021, 12, 632454.	3.5	15
134	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.	3.3	15
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