

# Willem M De Vos

## List of Publications by Citations

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718  
papers

85,679  
citations

146  
h-index

266  
g-index

746  
ext. papers

101,381  
ext. citations

6.8  
avg. IF

8.14  
L-index

#	Paper	IF	Citations
718	Enterotypes of the human gut microbiome. <i>Nature</i> , <b>2011</b> , 473, 174-80	50.4	4240
717	Richness of human gut microbiome correlates with metabolic markers. <i>Nature</i> , <b>2013</b> , 500, 541-6	50.4	2584
716	Cross-talk between <i>Akkermansia muciniphila</i> and intestinal epithelium controls diet-induced obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 9066-71	11.5	2451
715	Duodenal infusion of donor feces for recurrent <i>Clostridium difficile</i> . <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 407-15	59.2	2430
714	Transfer of intestinal microbiota from lean donors increases insulin sensitivity in individuals with metabolic syndrome. <i>Gastroenterology</i> , <b>2012</b> , 143, 913-6.e7	13.3	1766
713	Complete genome sequence of <i>Lactobacillus plantarum</i> WCFS1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2003</b> , 100, 1990-5	11.5	1107
712	Temperature gradient gel electrophoresis analysis of 16S rRNA from human fecal samples reveals stable and host-specific communities of active bacteria. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 3854-9	4.8	1087
711	<i>Akkermansia muciniphila</i> gen. nov., sp. nov., a human intestinal mucin-degrading bacterium. <i>International Journal of Systematic and Evolutionary Microbiology</i> , <b>2004</b> , 54, 1469-1476	2.2	1080
710	A purified membrane protein from <i>Akkermansia muciniphila</i> or the pasteurized bacterium improves metabolism in obese and diabetic mice. <i>Nature Medicine</i> , <b>2017</b> , 23, 107-113	50.5	896
709	Responses of gut microbiota and glucose and lipid metabolism to prebiotics in genetic obese and diet-induced leptin-resistant mice. <i>Diabetes</i> , <b>2011</b> , 60, 2775-86	0.9	701
708	Global and deep molecular analysis of microbiota signatures in fecal samples from patients with irritable bowel syndrome. <i>Gastroenterology</i> , <b>2011</b> , 141, 1792-801	13.3	669
707	Controlled gene expression systems for <i>Lactococcus lactis</i> with the food-grade inducer nisin. <i>Applied and Environmental Microbiology</i> , <b>1996</b> , 62, 3662-7	4.8	652
706	Molecular monitoring of succession of bacterial communities in human neonates. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 219-26	4.8	651
705	Supplementation with <i>Akkermansia muciniphila</i> in overweight and obese human volunteers: a proof-of-concept exploratory study. <i>Nature Medicine</i> , <b>2019</b> , 25, 1096-1103	50.5	650
704	Mucosa-associated bacteria in the human gastrointestinal tract are uniformly distributed along the colon and differ from the community recovered from feces. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 3401-7	4.8	637
703	The first 1000 cultured species of the human gastrointestinal microbiota. <i>FEMS Microbiology Reviews</i> , <b>2014</b> , 38, 996-1047	15.1	616
702	Quorum sensing by peptide pheromones and two-component signal-transduction systems in Gram-positive bacteria. <i>Molecular Microbiology</i> , <b>1997</b> , 24, 895-904	4.1	607

701	Comparative analysis of pyrosequencing and a phylogenetic microarray for exploring microbial community structures in the human distal intestine. <i>PLoS ONE</i> , <b>2009</b> , 4, e6669	3.7	606
700	Demonstration of safety of probiotics -- a review. <i>International Journal of Food Microbiology</i> , <b>1998</b> , 44, 93-106	5.8	578
699	Findings From a Randomized Controlled Trial of Fecal Transplantation for Patients With Ulcerative Colitis. <i>Gastroenterology</i> , <b>2015</b> , 149, 110-118.e4	13.3	571
698	Molecular diversity of <i>Lactobacillus</i> spp. and other lactic acid bacteria in the human intestine as determined by specific amplification of 16S ribosomal DNA. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 114-23	4.8	561
697	Quorum sensing-controlled gene expression in lactic acid bacteria. <i>Journal of Biotechnology</i> , <b>1998</b> , 64, 15-21	3.7	558
696	Comparative genomic analysis of <i>Lactobacillus rhamnosus</i> GG reveals pili containing a human-mucus binding protein. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 17193-8	11.5	546
695	Fat, fibre and cancer risk in African Americans and rural Africans. <i>Nature Communications</i> , <b>2015</b> , 6, 6342	17.4	534
694	European consensus conference on faecal microbiota transplantation in clinical practice. <i>Gut</i> , <b>2017</b> , 66, 569-580	19.2	520
693	Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. <i>Gut</i> , <b>2013</b> , 62, 1112-21	19.2	517
692	High-throughput diversity and functionality analysis of the gastrointestinal tract microbiota. <i>Gut</i> , <b>2008</b> , 57, 1605-15	19.2	463
691	Next-Generation Beneficial Microbes: The Case of. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1765	5.7	459
690	Intestinal microbiota in human health and disease: the impact of probiotics. <i>Genes and Nutrition</i> , <b>2011</b> , 6, 209-40	4.3	453
689	<i>Akkermansia muciniphila</i> and its role in regulating host functions. <i>Microbial Pathogenesis</i> , <b>2017</b> , 106, 171-181	3.8	447
688	Improvement of Insulin Sensitivity after Lean Donor Feces in Metabolic Syndrome Is Driven by Baseline Intestinal Microbiota Composition. <i>Cell Metabolism</i> , <b>2017</b> , 26, 611-619.e6	24.6	440
687	S layer protein A of <i>Lactobacillus acidophilus</i> NCFM regulates immature dendritic cell and T cell functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 19474-9	11.5	429
686	Characterization of the nisin gene cluster nisABTCIPR of <i>Lactococcus lactis</i> . Requirement of expression of the nisA and nisI genes for development of immunity. <i>FEBS Journal</i> , <b>1993</b> , 216, 281-91		420
685	The human small intestinal microbiota is driven by rapid uptake and conversion of simple carbohydrates. <i>ISME Journal</i> , <b>2012</b> , 6, 1415-26	11.9	416
684	Diversity of the human gastrointestinal tract microbiota revisited. <i>Environmental Microbiology</i> , <b>2007</b> , 9, 2125-36	5.2	414

683	CRISPR immunity relies on the consecutive binding and degradation of negatively supercoiled invader DNA by Cascade and Cas3. <i>Molecular Cell</i> , <b>2012</b> , 46, 595-605	17.6	398
682	Anaerobic microbial dehalogenation. <i>Annual Review of Microbiology</i> , <b>2004</b> , 58, 43-73	17.5	396
681	Autoregulation of nisin biosynthesis in <i>Lactococcus lactis</i> by signal transduction. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 27299-304	5.4	390
680	Enterotypes in the landscape of gut microbial community composition. <i>Nature Microbiology</i> , <b>2018</b> , 3, 8-16	26.6	387
679	Development and application of the human intestinal tract chip, a phylogenetic microarray: analysis of universally conserved phylotypes in the abundant microbiota of young and elderly adults. <i>Environmental Microbiology</i> , <b>2009</b> , 11, 1736-51	5.2	387
678	Microbes inside--from diversity to function: the case of <i>Akkermansia</i> . <i>ISME Journal</i> , <b>2012</b> , 6, 1449-58	11.9	385
677	The gut microbiota plays a protective role in the host defence against pneumococcal pneumonia. <i>Gut</i> , <b>2016</b> , 65, 575-83	19.2	384
676	Intestinal microbiome is related to lifetime antibiotic use in Finnish pre-school children. <i>Nature Communications</i> , <b>2016</b> , 7, 10410	17.4	380
675	Intestinal integrity and <i>Akkermansia muciniphila</i> , a mucin-degrading member of the intestinal microbiota present in infants, adults, and the elderly. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 7767-70	4.8	379
674	The Mucin degrader <i>Akkermansia muciniphila</i> is an abundant resident of the human intestinal tract. <i>Applied and Environmental Microbiology</i> , <b>2008</b> , 74, 1646-8	4.8	371
673	Comparative analysis of fecal DNA extraction methods with phylogenetic microarray: effective recovery of bacterial and archaeal DNA using mechanical cell lysis. <i>Journal of Microbiological Methods</i> , <b>2010</b> , 81, 127-34	2.8	368
672	Bifidobacterial diversity in human feces detected by genus-specific PCR and denaturing gradient gel electrophoresis. <i>Applied and Environmental Microbiology</i> , <b>2001</b> , 67, 504-13	4.8	363
671	Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men. <i>ISME Journal</i> , <b>2014</b> , 8, 2218-30	11.9	356
670	Towards standards for human fecal sample processing in metagenomic studies. <i>Nature Biotechnology</i> , <b>2017</b> , 35, 1069-1076	44.5	355
669	Impact of oral vancomycin on gut microbiota, bile acid metabolism, and insulin sensitivity. <i>Journal of Hepatology</i> , <b>2014</b> , 60, 824-31	13.4	353
668	Butyrate-producing <i>Clostridium</i> cluster XIVa species specifically colonize mucins in an in vitro gut model. <i>ISME Journal</i> , <b>2013</b> , 7, 949-61	11.9	351
667	Metagenomic species profiling using universal phylogenetic marker genes. <i>Nature Methods</i> , <b>2013</b> , 10, 1196-9	21.6	340
666	Mucin-bacterial interactions in the human oral cavity and digestive tract. <i>Gut Microbes</i> , <b>2010</b> , 1, 254-268	8.8	329

665	Durable coexistence of donor and recipient strains after fecal microbiota transplantation. <i>Science</i> , <b>2016</b> , 352, 586-9	33.3	326
664	<i>Lactobacillus plantarum</i> survival, functional and potential probiotic properties in the human intestinal tract. <i>International Dairy Journal</i> , <b>2006</b> , 16, 1018-1028	3.5	322
663	Human intestinal microbiota composition is associated with local and systemic inflammation in obesity. <i>Obesity</i> , <b>2013</b> , 21, E607-15	8	321
662	Differential NF-kappaB pathways induction by <i>Lactobacillus plantarum</i> in the duodenum of healthy humans correlating with immune tolerance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 2371-6	11.5	320
661	Healthy human gut phageome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 10400-5	11.5	316
660	Modulation of Mucosal Immune Response, Tolerance, and Proliferation in Mice Colonized by the Mucin-Degrader <i>Akkermansia muciniphila</i> . <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 166	5.7	310
659	Expanding the biotechnology potential of lactobacilli through comparative genomics of 213 strains and associated genera. <i>Nature Communications</i> , <b>2015</b> , 6, 8322	17.4	300
658	Identification and characterization of the lantibiotic nisin Z, a natural nisin variant. <i>FEBS Journal</i> , <b>1991</b> , 201, 581-4		300
657	A microbial world within us. <i>Molecular Microbiology</i> , <b>2006</b> , 59, 1639-50	4.1	299
656	Diversity, dynamics, and activity of bacterial communities during production of an artisanal Sicilian cheese as evaluated by 16S rRNA analysis. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 1882-92	4.8	297
655	Probiotic and other functional microbes: from markets to mechanisms. <i>Current Opinion in Biotechnology</i> , <b>2005</b> , 16, 204-11	11.4	295
654	Functional genome analysis of <i>Bifidobacterium breve</i> UCC2003 reveals type IVb tight adherence (Tad) pili as an essential and conserved host-colonization factor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 11217-22	11.5	290
653	Functional analysis of promoters in the nisin gene cluster of <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 3434-9	3.5	279
652	<i>Akkermansia muciniphila</i> Adheres to Enterocytes and Strengthens the Integrity of the Epithelial Cell Layer. <i>Applied and Environmental Microbiology</i> , <b>2015</b> , 81, 3655-62	4.8	275
651	Homology modelling and protein engineering strategy of subtilases, the family of subtilisin-like serine proteinases. <i>Protein Engineering, Design and Selection</i> , <b>1991</b> , 4, 719-37	1.9	275
650	Role of the intestinal microbiome in health and disease: from correlation to causation. <i>Nutrition Reviews</i> , <b>2012</b> , 70 Suppl 1, S45-56	6.4	271
649	Maternal prenatal stress is associated with the infant intestinal microbiota. <i>Psychoneuroendocrinology</i> , <b>2015</b> , 53, 233-45	5	266
648	Characterization of the <i>Lactococcus lactis</i> nisin A operon genes nisP, encoding a subtilisin-like serine protease involved in precursor processing, and nisR, encoding a regulatory protein involved in nisin biosynthesis. <i>Journal of Bacteriology</i> , <b>1993</b> , 175, 2578-88	3.5	263

647	Differential modulation by Akkermansia muciniphila and Faecalibacterium prausnitzii of host peripheral lipid metabolism and histone acetylation in mouse gut organoids. <i>MBio</i> , <b>2014</b> , 5,	7.8	257
646	The genome of Akkermansia muciniphila, a dedicated intestinal mucin degrader, and its use in exploring intestinal metagenomes. <i>PLoS ONE</i> , <b>2011</b> , 6, e16876	3.7	245
645	Clinical trial: multispecies probiotic supplementation alleviates the symptoms of irritable bowel syndrome and stabilizes intestinal microbiota. <i>Alimentary Pharmacology and Therapeutics</i> , <b>2008</b> , 27, 48-57	6.1	243
644	Biodiversity-based identification and functional characterization of the mannose-specific adhesin of Lactobacillus plantarum. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 6128-36	3.5	242
643	Intestinal microbiota in healthy adults: temporal analysis reveals individual and common core and relation to intestinal symptoms. <i>PLoS ONE</i> , <b>2011</b> , 6, e23035	3.7	241
642	Homeostasis of the gut barrier and potential biomarkers. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 312, G171-G193	5.1	240
641	The function of our microbiota: who is out there and what do they do?. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2012</b> , 2, 104	5.9	240
640	Metagenomics meets time series analysis: unraveling microbial community dynamics. <i>Current Opinion in Microbiology</i> , <b>2015</b> , 25, 56-66	7.9	236
639	The therapeutic potential of manipulating gut microbiota in obesity and type 2 diabetes mellitus. <i>Diabetes, Obesity and Metabolism</i> , <b>2012</b> , 14, 112-20	6.7	233
638	Phylogenetic analysis of dysbiosis in ulcerative colitis during remission. <i>Inflammatory Bowel Diseases</i> , <b>2013</b> , 19, 481-8	4.5	233
637	Multiparametric flow cytometry and cell sorting for the assessment of viable, injured, and dead bifidobacterium cells during bile salt stress. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 5209-16	4.8	226
636	Intestinal microbiota and diet in IBS: causes, consequences, or epiphenomena?. <i>American Journal of Gastroenterology</i> , <b>2015</b> , 110, 278-87	0.7	225
635	The environment within: how gut microbiota may influence metabolism and body composition. <i>Diabetologia</i> , <b>2010</b> , 53, 606-13	10.3	224
634	The Lrp family of transcriptional regulators. <i>Molecular Microbiology</i> , <b>2003</b> , 48, 287-94	4.1	223
633	Microbiota conservation and BMI signatures in adult monozygotic twins. <i>ISME Journal</i> , <b>2013</b> , 7, 707-17	11.9	221
632	Altered gut microbiota and endocannabinoid system tone in obese and diabetic leptin-resistant mice: impact on apelin regulation in adipose tissue. <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 149	5.7	220
631	Functional analysis of Lactobacillus rhamnosus GG pili in relation to adhesion and immunomodulatory interactions with intestinal epithelial cells. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 185-93	4.8	219
630	The micro-Petri dish, a million-well growth chip for the culture and high-throughput screening of microorganisms. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 18217-22	11.5	217

629	Molecular characterization of the plasmid-encoded eps gene cluster essential for exopolysaccharide biosynthesis in <i>Lactococcus lactis</i> . <i>Molecular Microbiology</i> , <b>1997</b> , 24, 387-97	4.1	215
628	Analysis of growth of <i>Lactobacillus plantarum</i> WCFS1 on a complex medium using a genome-scale metabolic model. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 40041-8	5.4	212
627	Improvement of solubility and stability of the antimicrobial peptide nisin by protein engineering. <i>Applied and Environmental Microbiology</i> , <b>1995</b> , 61, 2873-8	4.8	212
626	Mouse models for human intestinal microbiota research: a critical evaluation. <i>Cellular and Molecular Life Sciences</i> , <b>2018</b> , 75, 149-160	10.3	212
625	Gelatinase biosynthesis-activating pheromone: a peptide lactone that mediates a quorum sensing in <i>Enterococcus faecalis</i> . <i>Molecular Microbiology</i> , <b>2001</b> , 41, 145-54	4.1	211
624	Exploring <i>Lactobacillus plantarum</i> genome diversity by using microarrays. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 6119-27	3.5	210
623	Colonic microbiota signatures across five northern European countries. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 4153-5	4.8	210
622	Mediterranean diet intervention alters the gut microbiome in older people reducing frailty and improving health status: the NU-AGE 1-year dietary intervention across five European countries. <i>Gut</i> , <b>2020</b> , 69, 1218-1228	19.2	209
621	Faecal microbiota composition and host-microbe cross-talk following gastroenteritis and in postinfectious irritable bowel syndrome. <i>Gut</i> , <b>2014</b> , 63, 1737-45	19.2	207
620	Identification of mesophilic lactic acid bacteria by using polymerase chain reaction-amplified variable regions of 16S rRNA and specific DNA probes. <i>Applied and Environmental Microbiology</i> , <b>1991</b> , 57, 3390-3	4.8	206
619	High temporal and inter-individual variation detected in the human ileal microbiota. <i>Environmental Microbiology</i> , <b>2010</b> , 12, 3213-27	5.2	205
618	Aberrant gut microbiota composition at the onset of type 1 diabetes in young children. <i>Diabetologia</i> , <b>2014</b> , 57, 1569-77	10.3	202
617	Do nutrient-gut-microbiota interactions play a role in human obesity, insulin resistance and type 2 diabetes?. <i>Obesity Reviews</i> , <b>2011</b> , 12, 272-81	10.6	200
616	Post-natal development of the porcine microbiota composition and activities. <i>Environmental Microbiology</i> , <b>2006</b> , 8, 1191-9	5.2	200
615	Gastrointestinal microbiota in irritable bowel syndrome: present state and perspectives. <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 3205-3215	2.9	198
614	Identification of <i>Lactobacillus plantarum</i> genes that are induced in the gastrointestinal tract of mice. <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 5721-9	3.5	198
613	Controlled gene expression systems for lactic acid bacteria: transferable nisin-inducible expression cassettes for <i>Lactococcus</i> , <i>Leuconostoc</i> , and <i>Lactobacillus</i> spp. <i>Applied and Environmental Microbiology</i> , <b>1997</b> , 63, 4581-4	4.8	196
612	Pili-like proteins of <i>Akkermansia muciniphila</i> modulate host immune responses and gut barrier function. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173004	3.7	195

611	Cell to cell communication by autoinducing peptides in gram-positive bacteria. <i>Antonie Van Leeuwenhoek</i> , <b>2002</b> , 81, 233-43	2.1	193
610	Cloning of <i>usp45</i> , a gene encoding a secreted protein from <i>Lactococcus lactis</i> subsp. <i>lactis</i> MG1363. <i>Gene</i> , <b>1990</b> , 95, 155-60	3.8	190
609	induces gut microbiota remodelling and controls islet autoimmunity in NOD mice. <i>Gut</i> , <b>2018</b> , 67, 1445-1452	4.5	180
608	Quantification of 16S rRNAs in complex bacterial communities by multiple competitive reverse transcription-PCR in temperature gradient gel electrophoresis fingerprints. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 4581-7	4.8	178
607	Cofactor engineering: a novel approach to metabolic engineering in <i>Lactococcus lactis</i> by controlled expression of NADH oxidase. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 3804-8	3.5	178
606	Characterization of the novel nisin-sucrose conjugative transposon Tn5276 and its insertion in <i>Lactococcus lactis</i> . <i>Journal of Bacteriology</i> , <b>1992</b> , 174, 1280-7	3.5	177
605	Intestinal microbiota of infants with colic: development and specific signatures. <i>Pediatrics</i> , <b>2013</b> , 131, e550-8	7.4	171
604	Controlled overproduction of proteins by lactic acid bacteria. <i>Trends in Biotechnology</i> , <b>1997</b> , 15, 135-40	15.1	170
603	Identification of prebiotic fructooligosaccharide metabolism in <i>Lactobacillus plantarum</i> WCFS1 through microarrays. <i>Applied and Environmental Microbiology</i> , <b>2007</b> , 73, 1753-65	4.8	170
602	Genetic diversity of viable, injured, and dead fecal bacteria assessed by fluorescence-activated cell sorting and 16S rRNA gene analysis. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 4679-89	4.8	166
601	in the Human Gastrointestinal Tract: When, Where, and How?. <i>Microorganisms</i> , <b>2018</b> , 6,	4.9	165
600	Maturation pathway of nisin and other lantibiotics: post-translationally modified antimicrobial peptides exported by gram-positive bacteria. <i>Molecular Microbiology</i> , <b>1995</b> , 17, 427-37	4.1	165
599	Long-term monitoring of the human intestinal microbiota composition. <i>Environmental Microbiology</i> , <b>2012</b> , 15, 1146	5.2	164
598	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
597	Specific response of a novel and abundant <i>Lactobacillus amylovorus</i> -like phylotype to dietary prebiotics in the guts of weaning piglets. <i>Applied and Environmental Microbiology</i> , <b>2004</b> , 70, 3821-30	4.8	163
596	Inulin-type fructans modulate intestinal <i>Bifidobacterium</i> species populations and decrease fecal short-chain fatty acids in obese women. <i>Clinical Nutrition</i> , <b>2015</b> , 34, 501-7	5.9	162
595	Properties of nisin Z and distribution of its gene, <i>nisZ</i> , in <i>Lactococcus lactis</i> . <i>Applied and Environmental Microbiology</i> , <b>1993</b> , 59, 213-8	4.8	160
594	Mucosal adhesion properties of the probiotic <i>Lactobacillus rhamnosus</i> GG SpaCBA and SpaFED pilin subunits. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 2049-57	4.8	159



593	Significant Correlation Between the Infant Gut Microbiome and Rotavirus Vaccine Response in Rural Ghana. <i>Journal of Infectious Diseases</i> , <b>2017</b> , 215, 34-41	7	157
592	Beyond diversity: functional microbiomics of the human colon. <i>Trends in Microbiology</i> , <b>2006</b> , 14, 86-91	12.4	155
591	Conversion of <i>Lactococcus lactis</i> from homolactic to homoalanine fermentation through metabolic engineering. <i>Nature Biotechnology</i> , <b>1999</b> , 17, 588-92	44.5	155
590	Tipping elements in the human intestinal ecosystem. <i>Nature Communications</i> , <b>2014</b> , 5, 4344	17.4	154
589	Comparative genomic and functional analysis of 100 <i>Lactobacillus rhamnosus</i> strains and their comparison with strain GG. <i>PLoS Genetics</i> , <b>2013</b> , 9, e1003683	6	154
588	Development of bacterial and bifidobacterial communities in feces of newborn babies. <i>Anaerobe</i> , <b>2003</b> , 9, 219-29	2.8	154
587	Use of the lactococcal <i>nisA</i> promoter to regulate gene expression in gram-positive bacteria: comparison of induction level and promoter strength. <i>Applied and Environmental Microbiology</i> , <b>1998</b> , 64, 2763-9	4.8	154
586	A maturation protein is essential for production of active forms of <i>Lactococcus lactis</i> SK11 serine proteinase located in or secreted from the cell envelope. <i>Journal of Bacteriology</i> , <b>1989</b> , 171, 2795-802	3.5	153
585	Sequence analysis of the <i>Pseudomonas</i> sp. strain P51 <i>tcb</i> gene cluster, which encodes metabolism of chlorinated catechols: evidence for specialization of catechol 1,2-dioxygenases for chlorinated substrates. <i>Journal of Bacteriology</i> , <b>1991</b> , 173, 2425-34	3.5	153
584	Genetic marking of <i>Lactococcus lactis</i> shows its survival in the human gastrointestinal tract. <i>Applied and Environmental Microbiology</i> , <b>1995</b> , 61, 2771-4	4.8	153
583	Fecal microbiota transplantation as novel therapy in gastroenterology: A systematic review. <i>World Journal of Gastroenterology</i> , <b>2015</b> , 21, 5359-71	5.6	152
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