

Willem M De Vos

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.

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	Comparative genomics and proteomics of <i>Eubacterium maltosivorans</i> : functional identification of trimethylamine methyltransferases and bacterial microcompartments in a human intestinal bacterium with a versatile lifestyle.. <i>Environmental Microbiology</i> , 2022 ,	5.2	2
717	Gut microbiome and health: mechanistic insights.. <i>Gut</i> , 2022 ,	19.2	39
716	Inter-species Metabolic Interactions in an In-vitro Minimal Human Gut Microbiome of Core Bacteria.. <i>Npj Biofilms and Microbiomes</i> , 2022 , 8, 21	8.2	2
715	The gut fungal and bacterial microbiota in pediatric patients with inflammatory bowel disease introduced to treatment with anti-tumor necrosis factor- β <i>Scientific Reports</i> , 2022 , 12, 6654	4.9	1
714	A 4-Week Diet Low or High in Advanced Glycation Endproducts Has Limited Impact on Gut Microbial Composition in Abdominally Obese Individuals: The deAGEing Trial. <i>International Journal of Molecular Sciences</i> , 2022 , 23, 5328	6.3	1
713	Effects of fecal microbiota transplant on DNA methylation in subjects with metabolic syndrome. <i>Gut Microbes</i> , 2021 , 13, 1993513	8.8	4
712	Implications of Gut Microbiota in Complex Human Diseases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
711	Gut microbiota develop towards an adult profile in a sex-specific manner during puberty. <i>Scientific Reports</i> , 2021 , 11, 23297	4.9	2
710	Serum metabolite profiling yields insights into health promoting effect of <i>A. muciniphila</i> in human volunteers with a metabolic syndrome. <i>Gut Microbes</i> , 2021 , 13, 1994270	8.8	7
709	Duodenal infusion stimulates GLP-1 production, ameliorates glycaemic control and beneficially shapes the duodenal transcriptome in metabolic syndrome subjects: a randomised double-blind placebo-controlled cross-over study. <i>Gut</i> , 2021 ,	19.2	5
708	Genomic convergence between <i>Akkermansia muciniphila</i> in different mammalian hosts. <i>BMC Microbiology</i> , 2021 , 21, 298	4.5	3
707	Disruptions of Anaerobic Gut Bacteria Are Associated with Stroke and Post-stroke Infection: a Prospective Case-Control Study. <i>Translational Stroke Research</i> , 2021 , 12, 581-592	7.8	21
706	Protocol for oral transplantation of maternal fecal microbiota to newborn infants born by cesarean section. <i>STAR Protocols</i> , 2021 , 2, 100271	1.4	3
705	Integrative Transkingdom Analysis of the Gut Microbiome in Antibiotic Perturbation and Critical Illness. <i>MSystems</i> , 2021 , 6,	7.6	10
704	Fecal Microbiota Transplantation from Overweight or Obese Donors in Cachectic Patients with Advanced Gastroesophageal Cancer: A Randomized, Double-blind, Placebo-Controlled, Phase II Study. <i>Clinical Cancer Research</i> , 2021 , 27, 3784-3792	12.9	7
703	Next-generation therapeutic bacteria for treatment of obesity, diabetes, and other endocrine diseases. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2021 , 35, 101504	6.5	7
702	DOP71 Fungal and bacterial gut microbiota in paediatric onset Inflammatory Bowel Disease introduced to infliximab. <i>Journal of Crohns and Colitis</i> , 2021 , 15, S105-S105	1.5	

701	Toxicological safety evaluation of live <i>Anaerobutyricum soehngenii</i> strain CH106. <i>Journal of Applied Toxicology</i> , 2021 ,	4.1	1
700	A novel technique capable of taking protected biopsies for reliable assessment of the distribution of microbiota along the colonic mucosa. <i>Journal of Microbiological Methods</i> , 2021 , 185, 106204	2.8	0
699	Fecal microbiota transplantation in human metabolic diseases: From a murky past to a bright future?. <i>Cell Metabolism</i> , 2021 , 33, 1098-1110	24.6	20
698	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
697	Does Day-to-Day Variability in Stool Consistency Link to the Fecal Microbiota Composition?. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 639667	5.9	3
696	Early-life gut microbiota and its connection to metabolic health in children: Perspective on ecological drivers and need for quantitative approach. <i>EBioMedicine</i> , 2021 , 69, 103475	8.8	9
695	Fecal Bacteria Implicated in Biofilm Production Are Enriched and Associate to Gastrointestinal Symptoms in Patients With APECED - A Pilot Study. <i>Frontiers in Immunology</i> , 2021 , 12, 668219	8.4	2
694	Toxicological safety evaluation of pasteurized <i>Akkermansia muciniphila</i> . <i>Journal of Applied Toxicology</i> , 2021 , 41, 276-290	4.1	18
693	Roadmap to functional characterization of the human intestinal microbiota in its interaction with the host. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021 , 194, 113751	3.5	3
692	Correlations between microbiota and metabolites after faecal microbiota transfer in irritable bowel syndrome. <i>Beneficial Microbes</i> , 2021 , 12, 17-30	4.9	0
691	Beneficial Effects of Are Not Associated with Major Changes in the Circulating Endocannabinoidome but Linked to Higher Mono-Palmitoyl-Glycerol Levels as New PPAR β Agonists. <i>Cells</i> , 2021 , 10,	7.9	16
690	Gut bacteriophage dynamics during fecal microbial transplantation in subjects with metabolic syndrome. <i>Gut Microbes</i> , 2021 , 13, 1-15	8.8	4
689	Genomic diversity and ecology of human-associated <i>Akkermansia</i> species in the gut microbiome revealed by extensive metagenomic assembly. <i>Genome Biology</i> , 2021 , 22, 209	18.3	14
688	Conversion of dietary inositol into propionate and acetate by commensal <i>Anaerostipes</i> associates with host health. <i>Nature Communications</i> , 2021 , 12, 4798	17.4	10
687	Authors' Response: "Akkermansia muciniphila reduces Porphyromonas gingivalis induced inflammation and periodontal bone destruction". <i>Journal of Clinical Periodontology</i> , 2021 , 48, 1493-1494	7.7	1
686	The CRC biome study: a large prospective cohort study examining the role of lifestyle and the gut microbiome in colorectal cancer screening participants. <i>BMC Cancer</i> , 2021 , 21, 930	4.8	0
685	Dietary advanced glycation endproducts (AGEs) increase their concentration in plasma and tissues, result in inflammation and modulate gut microbial composition in mice; evidence for reversibility. <i>Food Research International</i> , 2021 , 147, 110547	7	12
684	Liraglutide and sitagliptin have no effect on intestinal microbiota composition: A 12-week randomized placebo-controlled trial in adults with type 2 diabetes. <i>Diabetes and Metabolism</i> , 2021 , 47, 101223	5.4	5

683	Remarkable Metabolic Versatility of the Commensal Bacteria <i>Eubacterium hallii</i> and <i>Intestinimonas butyriciproducens</i> : Potential Next-Generation Therapeutic Microbes. <i>Microorganisms for Sustainability</i> , 2021 , 139-151	1.1	1
682	Selection and characterization of a SpaCBA pilus-secreting food-grade derivative of <i>Lactacaseibacillus rhamnosus</i> GG. <i>Applied Microbiology and Biotechnology</i> , 2021 , 105, 1123-1131	5.7	0
681	<i>Intestinimonas</i> -like bacteria are important butyrate producers that utilize NEfructosyllisine and lysine in formula-fed infants and adults. <i>Journal of Functional Foods</i> , 2020 , 70, 103974	5.1	19
680	Bridging Bacteria and the Gut: Functional Aspects of Type IV Pili. <i>Trends in Microbiology</i> , 2020 , 28, 340-348	12.4	22
679	Back to the Roots: Revisiting the Use of the Fiber-Rich <i>Cichorium intybus</i> L. Taproots. <i>Advances in Nutrition</i> , 2020 , 11, 878-889	10	7
678	Pasteurized increases whole-body energy expenditure and fecal energy excretion in diet-induced obese mice. <i>Gut Microbes</i> , 2020 , 11, 1231-1245	8.8	56
677	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> , 2020 , 69, 1218-1228	19.2	209
676	Pasteurized protects from fat mass gain but not from bone loss. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E480-E491	6	19
675	Effect of fructans, prebiotics and fibres on the human gut microbiome assessed by 16S rRNA-based approaches: a review. <i>Beneficial Microbes</i> , 2020 , 11, 101-129	4.9	28
674	Treatment with <i>Anaerobutyricum soehngenii</i> : a pilot study of safety and dose-response effects on glucose metabolism in human subjects with metabolic syndrome. <i>Npj Biofilms and Microbiomes</i> , 2020 , 6, 16	8.2	26
673	Gut dysbacteriosis and intestinal disease: mechanism and treatment. <i>Journal of Applied Microbiology</i> , 2020 , 129, 787-805	4.7	17
672	and Microbial Degradation of Mucus in Cats and Dogs: Implications to the Growing Worldwide Epidemic of Pet Obesity. <i>Veterinary Sciences</i> , 2020 , 7,	2.4	5
671	Partial restoration of normal intestinal microbiota in morbidly obese women six months after bariatric surgery. <i>PeerJ</i> , 2020 , 8, e10442	3.1	2
670	<i>Akkermansia muciniphila</i> reduces <i>Porphyromonas gingivalis</i> -induced inflammation and periodontal bone destruction. <i>Journal of Clinical Periodontology</i> , 2020 , 47, 202-212	7.7	38
669	Unravelling lactate-acetate and sugar conversion into butyrate by intestinal <i>Anaerobutyricum</i> and <i>Anaerostipes</i> species by comparative proteogenomics. <i>Environmental Microbiology</i> , 2020 , 22, 4863-4875	5.2	10
668	Characterization of Highly Mucus-Adherent Non-GMO Derivatives of GG. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020 , 8, 1024	5.8	4
667	Maternal Fecal Microbiota Transplantation in Cesarean-Born Infants Rapidly Restores Normal Gut Microbial Development: A Proof-of-Concept Study. <i>Cell</i> , 2020 , 183, 324-334.e5	56.2	63
666	Does entry to center-based childcare affect gut microbial colonization in young infants?. <i>Scientific Reports</i> , 2020 , 10, 10235	4.9	4

665	Associations between Pro- and Anti-Inflammatory Gastro-Intestinal Microbiota, Diet, and Cognitive Functioning in Dutch Healthy Older Adults: The NU-AGE Study. <i>Nutrients</i> , 2020 , 12,	6.7	14
664	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
663	Molecular ecology of the yet uncultured bacterial Ct85-cluster in the mammalian gut. <i>Anaerobe</i> , 2020 , 62, 102104	2.8	1
662	Akkermansia muciniphila Exerts Lipid-Lowering and Immunomodulatory Effects without Affecting Neointima Formation in Hyperlipidemic APOE*3-Leiden.CETP Mice. <i>Molecular Nutrition and Food Research</i> , 2020 , 64, e1900732	5.9	19
661	The Gut Microbiota in the First Decade of Life. <i>Trends in Microbiology</i> , 2019 , 27, 997-1010	12.4	151
660	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. <i>Nature Communications</i> , 2019 , 10, 457	17.4	66
659	The Effect of Psyllium Husk on Intestinal Microbiota in Constipated Patients and Healthy Controls. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	45
658	Bicistronic Design-Based Continuous and High-Level Membrane Protein Production in. <i>ACS Synthetic Biology</i> , 2019 , 8, 1685-1690	5.7	11
657	Enhanced nutrient supply and intestinal microbiota development in very low birth weight infants. <i>Pediatric Research</i> , 2019 , 86, 323-332	3.2	4
656	Anaerobic Degradation of N-E-Carboxymethyllysine, a Major Glycation End-Product, by Human Intestinal Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 6594-6602	5.7	21
655	Gender-Specific Associations Between Saliva Microbiota and Body Size. <i>Frontiers in Microbiology</i> , 2019 , 10, 767	5.7	31
654	ameliorates the age-related decline in colonic mucus thickness and attenuates immune activation in accelerated aging mice. <i>Immunity and Ageing</i> , 2019 , 16, 6	9.7	61
653	The Use of Defined Microbial Communities To Model Host-Microbe Interactions in the Human Gut. <i>Microbiology and Molecular Biology Reviews</i> , 2019 , 83,	13.2	37
652	Biotechnology of health-promoting bacteria. <i>Biotechnology Advances</i> , 2019 , 37, 107369	17.8	37
651	Reconstructing functional networks in the human intestinal tract using synthetic microbiomes. <i>Current Opinion in Biotechnology</i> , 2019 , 58, 146-154	11.4	18
650	Dynamics of the Gut Microbiota in Children Receiving Selective or Total Gut Decontamination Treatment during Hematopoietic Stem Cell Transplantation. <i>Biology of Blood and Marrow Transplantation</i> , 2019 , 25, 1164-1171	4.7	6
649	Metabolic improvement in obese patients after duodenal-jejunal exclusion is associated with intestinal microbiota composition changes. <i>International Journal of Obesity</i> , 2019 , 43, 2509-2517	5.5	8
648	Development of omics-based protocols for the microbiological characterization of multi-strain formulations marketed as probiotics: the case of VSL#3. <i>Microbial Biotechnology</i> , 2019 , 12, 1371-1386	6.3	21

647	Universal membrane-labeling combined with expression of Katushka far-red fluorescent protein enables non-invasive dynamic and longitudinal quantitative 3D dual-color fluorescent imaging of multiple bacterial strains in mouse intestine. <i>BMC Microbiology</i> , 2019 , 19, 167	4.5	2
646	Supplementation with <i>Akkermansia muciniphila</i> in overweight and obese human volunteers: a proof-of-concept exploratory study. <i>Nature Medicine</i> , 2019 , 25, 1096-1103	50.5	650
645	Cohort profile: Finnish Health and Early Life Microbiota (HELMi) longitudinal birth cohort. <i>BMJ Open</i> , 2019 , 9, e028500	3	10
644	Allogenic Faecal Microbiota Transfer Induces Immune-Related Gene Sets in the Colon Mucosa of Patients with Irritable Bowel Syndrome. <i>Biomolecules</i> , 2019 , 9,	5.9	2
643	Mutual Metabolic Interactions in Co-cultures of the Intestinal With an Acetogen, Methanogen, or Pectin-Degrader Affecting Butyrate Production. <i>Frontiers in Microbiology</i> , 2019 , 10, 2449	5.7	25
642	The Effect of Allogenic Versus Autologous Fecal Microbiota Transfer on Symptoms, Visceral Perception and Fecal and Mucosal Microbiota in Irritable Bowel Syndrome: A Randomized Controlled Study. <i>Clinical and Translational Gastroenterology</i> , 2019 , 10, e00034	4.2	39
641	Bowel Biofilms: Tipping Points between a Healthy and Compromised Gut?. <i>Trends in Microbiology</i> , 2019 , 27, 17-25	12.4	53
640	Long-term impact of oral vancomycin, ciprofloxacin and metronidazole on the gut microbiota in healthy humans. <i>Journal of Antimicrobial Chemotherapy</i> , 2019 , 74, 782-786	5.1	48
639	A Bifidobacterial pilus-associated protein promotes colonic epithelial proliferation. <i>Molecular Microbiology</i> , 2019 , 111, 287-301	4.1	36
638	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
637	Model-driven design of a minimal medium for <i>Akkermansia muciniphila</i> confirms mucus adaptation. <i>Microbial Biotechnology</i> , 2018 , 11, 476-485	6.3	30
636	Enterotypes in the landscape of gut microbial community composition. <i>Nature Microbiology</i> , 2018 , 3, 8-16	26.6	387
635	induces gut microbiota remodelling and controls islet autoimmunity in NOD mice. <i>Gut</i> , 2018 , 67, 1445-1453	15.2	180
634	Effect of Vegan Fecal Microbiota Transplantation on Carnitine- and Choline-Derived Trimethylamine-N-Oxide Production and Vascular Inflammation in Patients With Metabolic Syndrome. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	100
633	Reproducibility and repeatability of six high-throughput 16S rDNA sequencing protocols for microbiota profiling. <i>Journal of Microbiological Methods</i> , 2018 , 147, 76-86	2.8	21
632	Selected aspects of the human gut microbiota. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 81-82	10.3	13
631	Rotavirus vaccine response correlates with the infant gut microbiota composition in Pakistan. <i>Gut Microbes</i> , 2018 , 9, 93-101	8.8	87
630	A low FODMAP diet is associated with changes in the microbiota and reduction in breath hydrogen but not colonic volume in healthy subjects. <i>PLoS ONE</i> , 2018 , 13, e0201410	3.7	47

629	Flux, Impact, and Fate of Halogenated Xenobiotic Compounds in the Gut. <i>Frontiers in Physiology</i> , 2018 , 9, 888	4.6	27
628	in the Human Gastrointestinal Tract: When, Where, and How?. <i>Microorganisms</i> , 2018 , 6,	4.9	165
627	Organic acid production from potato starch waste fermentation by rumen microbial communities from Dutch and Thai dairy cows. <i>Biotechnology for Biofuels</i> , 2018 , 11, 13	7.8	17
626	Fecal microbiota transplantation against intestinal colonization by extended spectrum beta-lactamase producing Enterobacteriaceae: a proof of principle study. <i>BMC Research Notes</i> , 2018 , 11, 190	2.3	56
625	Transcriptome analysis in whole blood reveals increased microbial diversity in schizophrenia. <i>Translational Psychiatry</i> , 2018 , 8, 96	8.6	55
624	Early life colonization of the human gut: microbes matter everywhere. <i>Current Opinion in Microbiology</i> , 2018 , 44, 70-78	7.9	76
623	Comparative genomic analysis of the multispecies probiotic-marketed product VSL#3. <i>PLoS ONE</i> , 2018 , 13, e0192452	3.7	21
622	Romboutsia hominis sp. nov., the first human gut-derived representative of the genus Romboutsia, isolated from ileostoma effluent. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 , 68, 3479-3486	2.2	17
621	Eubacterium maltosivorans sp. nov., a novel human intestinal acetogenic and butyrogenic bacterium with a versatile metabolism. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 ,	2.2	3
620	Reclassification of Eubacterium hallii as Anaerobutyricum hallii gen. nov., comb. nov., and description of Anaerobutyricum soehngenii sp. nov., a butyrate and propionate-producing bacterium from infant faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018 , 68, 3741-3746	2.2	35
619	Mouse models for human intestinal microbiota research: a critical evaluation. <i>Cellular and Molecular Life Sciences</i> , 2018 , 75, 149-160	10.3	212
618	Probiotic supplementation restores normal microbiota composition and function in antibiotic-treated and in caesarean-born infants. <i>Microbiome</i> , 2018 , 6, 182	16.6	101
617	Fucosylated oligosaccharides in mother's milk alleviate the effects of caesarean birth on infant gut microbiota. <i>Scientific Reports</i> , 2018 , 8, 13757	4.9	54
616	Intestinal Microbiota Signatures Associated With Histological Liver Steatosis in Pediatric-Onset Intestinal Failure. <i>Journal of Parenteral and Enteral Nutrition</i> , 2017 , 41, 238-248	4.2	54
615	Akkermansia muciniphila and its role in regulating host functions. <i>Microbial Pathogenesis</i> , 2017 , 106, 171-181	3.8	447
614	Effects of plant stanol ester consumption on fasting plasma oxy(phyto)sterol concentrations as related to fecal microbiota characteristics. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 169, 46-53	5.1	24
613	Complete Genome Sequence of Akkermansia glycaniphila Strain PytT, a Mucin-Degrading Specialist of the Reticulated Python Gut. <i>Genome Announcements</i> , 2017 , 5,		10
612	Homeostasis of the gut barrier and potential biomarkers. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, G171-G193	5.1	240

611	European consensus conference on faecal microbiota transplantation in clinical practice. <i>Gut</i> , 2017 , 66, 569-580	19.2	520
610	Childhood BMI in relation to microbiota in infancy and lifetime antibiotic use. <i>Microbiome</i> , 2017 , 5, 26	16.6	66
609	Microbial shifts and signatures of long-term remission in ulcerative colitis after faecal microbiota transplantation. <i>ISME Journal</i> , 2017 , 11, 1877-1889	11.9	111
608	Enrichment of sulfidogenic bacteria from the human intestinal tract. <i>FEMS Microbiology Letters</i> , 2017 , 364,	2.9	17
607	Tandem Mass Spectrometry in Resolving Complex Gut Microbiota Functions 2017 , 505-528		1
606	Gut health and the personal microbiome 2017 , 201-219		1
605	Antibiotic-induced gut microbiota disruption during human endotoxemia: a randomised controlled study. <i>Gut</i> , 2017 , 66, 1623-1630	19.2	45
604	Complete Genome Sequence of Strain L2-7. <i>Genome Announcements</i> , 2017 , 5,		13
603	Towards standards for human fecal sample processing in metagenomic studies. <i>Nature Biotechnology</i> , 2017 , 35, 1069-1076	44.5	355
602	Improvement of Insulin Sensitivity after Lean Donor Feces in Metabolic Syndrome Is Driven by Baseline Intestinal Microbiota Composition. <i>Cell Metabolism</i> , 2017 , 26, 611-619.e6	24.6	440
601	Preparation and preservation of viable <i>Akkermansia muciniphila</i> cells for therapeutic interventions. <i>Beneficial Microbes</i> , 2017 , 8, 163-169	4.9	23
600	Action and function of <i>Akkermansia muciniphila</i> in microbiome ecology, health and disease. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , 2017 , 31, 637-642	2.5	119
599	Anti-Infective Effect of Adhesive Probiotic <i>Lactobacillus</i> in Fish is Correlated With Their Spatial Distribution in the Intestinal Tissue. <i>Scientific Reports</i> , 2017 , 7, 13195	4.9	21
598	Distinct fecal and oral microbiota composition in human type 1 diabetes, an observational study. <i>PLoS ONE</i> , 2017 , 12, e0188475	3.7	96
597	Pili-like proteins of <i>Akkermansia muciniphila</i> modulate host immune responses and gut barrier function. <i>PLoS ONE</i> , 2017 , 12, e0173004	3.7	195
596	Draft Genome Sequences of the Aerobic Strains AL3 and AL5. <i>Genome Announcements</i> , 2017 , 5,		2
595	Faecal and Serum Metabolomics in Paediatric Inflammatory Bowel Disease. <i>Journal of Crohns and Colitis</i> , 2017 , 11, 321-334	1.5	65
594	C4B gene influences intestinal microbiota through complement activation in patients with paediatric-onset inflammatory bowel disease. <i>Clinical and Experimental Immunology</i> , 2017 , 190, 394-405	6.2	16

593	Encapsulation of the therapeutic microbe <i>Akkermansia muciniphila</i> in a double emulsion enhances survival in simulated gastric conditions. <i>Food Research International</i> , 2017 , 102, 372-379	7	36
592	Variation of mucin adhesion, cell surface characteristics, and molecular mechanisms among <i>Lactobacillus plantarum</i> isolated from different habitats. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 7663-7674	5.7	23
591	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
590	In vitro colonisation of the distal colon by <i>Akkermansia muciniphila</i> is largely mucin and pH dependent. <i>Beneficial Microbes</i> , 2017 , 8, 81-96	4.9	41
589	More than just a gut feeling: constraint-based genome-scale metabolic models for predicting functions of human intestinal microbes. <i>Microbiome</i> , 2017 , 5, 78	16.6	41
588	Genome-Scale Model and Omics Analysis of Metabolic Capacities of Reveal a Preferential Mucin-Degrading Lifestyle. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	99
587	Biochemical characterization of the xylan hydrolysis profile of the extracellular endo-xylanase from <i>Geobacillus thermodenitrificans</i> T12. <i>BMC Biotechnology</i> , 2017 , 17, 44	3.5	9
586	An Inducible Operon Is Involved in Inulin Utilization in <i>Lactobacillus plantarum</i> Strains, as Revealed by Comparative Proteogenomics and Metabolic Profiling. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	28
585	Critically ill patients demonstrate large interpersonal variation in intestinal microbiota dysregulation: a pilot study. <i>Intensive Care Medicine</i> , 2017 , 43, 59-68	14.5	111
584	Significant Correlation Between the Infant Gut Microbiome and Rotavirus Vaccine Response in Rural Ghana. <i>Journal of Infectious Diseases</i> , 2017 , 215, 34-41	7	157
583	A purified membrane protein from <i>Akkermansia muciniphila</i> or the pasteurized bacterium improves metabolism in obese and diabetic mice. <i>Nature Medicine</i> , 2017 , 23, 107-113	50.5	896
582	Intestinal microbiome landscaping: insight in community assemblage and implications for microbial modulation strategies. <i>FEMS Microbiology Reviews</i> , 2017 , 41, 182-199	15.1	104
581	Bacteriological and Immunological Profiling of Meconium and Fecal Samples from Preterm Infants: A Two-Year Follow-Up Study. <i>Nutrients</i> , 2017 , 9,	6.7	14
580	Effects of Soluble Corn Fiber Alone or in Synbiotic Combination with GG and the Pilus-Deficient Derivative GG-PB12 on Fecal Microbiota, Metabolism, and Markers of Immune Function: A Randomized, Double-Blind, Placebo-Controlled, Crossover Study in Healthy Elderly (Saimes Study). <i>Frontiers in Immunology</i> , 2017 , 8, 1443	8.4	39
579	Safety of Novel Microbes for Human Consumption: Practical Examples of Assessment in the European Union. <i>Frontiers in Microbiology</i> , 2017 , 8, 1725	5.7	84
578	Next-Generation Beneficial Microbes: The Case of. <i>Frontiers in Microbiology</i> , 2017 , 8, 1765	5.7	459
577	Feasibility of Metatranscriptome Analysis from Infant Gut Microbiota: Adaptation to Solid Foods Results in Increased Activity of Firmicutes at Six Months. <i>International Journal of Microbiology</i> , 2017 , 2017, 9547063	3.6	6
576	Genotypic and phenotypic diversity of <i>Lactobacillus rhamnosus</i> clinical isolates, their comparison with strain GG and their recognition by complement system. <i>PLoS ONE</i> , 2017 , 12, e0176739	3.7	14

575	Intestinal <i>Ralstonia pickettii</i> augments glucose intolerance in obesity. <i>PLoS ONE</i> , 2017 , 12, e0181693	3.7	28
574	Genomic and functional analysis of CRIB reveals adaptation to the small intestine. <i>PeerJ</i> , 2017 , 5, e3698	3.1	49
573	<i>Streptococcus caviae</i> sp. nov., isolated from guinea pig faecal samples. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2017 , 67, 1551-1556	2.2	5
572	Microbe Profile: <i>Akkermansia muciniphila</i> : a conserved intestinal symbiont that acts as the gatekeeper of our mucosa. <i>Microbiology (United Kingdom)</i> , 2017 , 163, 646-648	2.9	68
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