

# Willem M De Vos

## List of Publications by Year in descending order

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723  
papers

114,049  
citations

160

159  
h-index

293

301  
g-index

749  
all docs

749  
docs citations

749  
times ranked

74233  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toxicological safety evaluation of live <i>Anaerobutyricum soehngenii</i> strain CH106. <i>Journal of Applied Toxicology</i> , 2022, 42, 244-257.	1.4	7
2	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, 24, 517-534.	1.8	8
3	Gut microbiome and health: mechanistic insights. <i>Gut</i> , 2022, 71, 1020-1032.	6.1	661
4	Before the heart attack. <i>Nature Medicine</i> , 2022, 28, 237-238.	15.2	1
5	Camu-Camu Reduces Obesity and Improves Diabetic Profiles of Obese and Diabetic Mice: A Dose-Ranging Study. <i>Metabolites</i> , 2022, 12, 301.	1.3	7
6	Inter-species Metabolic Interactions in an In-vitro Minimal Human Gut Microbiome of Core Bacteria. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 21.	2.9	26
7	Peptidoglycan from <i>Akkermansia muciniphila</i> MucT: chemical structure and immunostimulatory properties of muuropeptides. <i>Glycobiology</i> , 2022, 32, 712-719.	1.3	2
8	The gut fungal and bacterial microbiota in pediatric patients with inflammatory bowel disease introduced to treatment with anti-tumor necrosis factor-1 $\alpha$ . <i>Scientific Reports</i> , 2022, 12, 6654.	1.6	5
9	The Effect of Antibiotics on the Infant Gut Fungal Microbiota. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 328.	1.5	11
10	Dried chicory root improves bowel function, benefits intestinal microbial trophic chains and increases faecal and circulating short chain fatty acids in subjects at risk for type 2 diabetes. <i>Gut Microbiome</i> , 2022, 3, .	0.8	5
11	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.	1.8	13
12	Gut microbiota predicts body fat change following a low-energy diet: a PREVIEW intervention study. <i>Genome Medicine</i> , 2022, 14, .	3.6	32
13	<i>Akkermansia muciniphila</i> : paradigm for next-generation beneficial microorganisms. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2022, 19, 625-637.	8.2	239
14	Dynamic metabolic interactions and trophic roles of human gut microbes identified using a minimal microbiome exhibiting ecological properties. <i>ISME Journal</i> , 2022, 16, 2144-2159.	4.4	16
15	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.	2.3	75
16	Toxicological safety evaluation of pasteurized <i>Akkermansia muciniphila</i> . <i>Journal of Applied Toxicology</i> , 2021, 41, 276-290.	1.4	30
17	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.	1.4	9
18	Correlations between microbiota and metabolites after faecal microbiota transfer in irritable bowel syndrome. <i>Beneficial Microbes</i> , 2021, 12, 17-30.	1.0	4

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19	Beneficial Effects of Akkermansia muciniphila Are Not Associated with Major Changes in the Circulating Endocannabinoidome but Linked to Higher Mono-Palmitoyl-Glycerol Levels as New PPAR $\alpha$ Agonists. <i>Cells</i> , 2021, 10, 185.	1.8	43
20	Gut bacteriophage dynamics during fecal microbial transplantation in subjects with metabolic syndrome. <i>Gut Microbes</i> , 2021, 13, 1-15.	4.3	24
21	Protocol for oral transplantation of maternal fecal microbiota to newborn infants born by cesarean section. <i>STAR Protocols</i> , 2021, 2, 100271.	0.5	7
22	Integrative Transkingdom Analysis of the Gut Microbiome in Antibiotic Perturbation and Critical Illness. <i>MSystems</i> , 2021, 6, .	1.7	35
23	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.	3.2	30
24	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.	2.2	16
25	DOP71 Fungal and bacterial gut microbiota in paediatric onset Inflammatory Bowel Disease introduced to infliximab. <i>Journal of Crohn's and Colitis</i> , 2021, 15, S105-S105.	0.6	0
26	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.	0.7	1
27	Fecal microbiota transplantation in human metabolic diseases: From a murky past to a bright future?. <i>Cell Metabolism</i> , 2021, 33, 1098-1110.	7.2	93
28	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.	1.5	15
29	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.	1.8	11
30	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.	2.7	47
31	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.	2.2	6
32	Genomic diversity and ecology of human-associated Akkermansia species in the gut microbiome revealed by extensive metagenomic assembly. <i>Genome Biology</i> , 2021, 22, 209.	3.8	65
33	Conversion of dietary inositol into propionate and acetate by commensal Anaerostipes associates with host health. <i>Nature Communications</i> , 2021, 12, 4798.	5.8	76
34	Authors' Response: "Akkermansia muciniphila reduces Porphyromonas gingivalis induced inflammation and periodontal bone destruction" <i>Journal of Clinical Periodontology</i> , 2021, 48, 1493-1494.	2.3	1
35	The CRCbiome 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.	1.1	22
36	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.	2.9	41

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37	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.	1.4	25
38	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.	0.4	5
39	Selection and characterization of a SpaCBA pilus-secreting food-grade derivative of <i>Lactocaseibacillus rhamnosus</i> GG. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1123-1131.	1.7	4
40	Duodenal <i>Anaerobutyricum soehngeni</i> 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, , gutjnl-2020-323297.	6.1	16
41	Genomic convergence between <i>Akkermansia muciniphila</i> in different mammalian hosts. <i>BMC Microbiology</i> , 2021, 21, 298.	1.3	10
42	Effects of fecal microbiota transplant on DNA methylation in subjects with metabolic syndrome. <i>Gut Microbes</i> , 2021, 13, 1993513.	4.3	25
43	Implications of Gut Microbiota in Complex Human Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12661.	1.8	20
44	Gut microbiota develop towards an adult profile in a sex-specific manner during puberty. <i>Scientific Reports</i> , 2021, 11, 23297.	1.6	31
45	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.	4.3	24
46	Molecular ecology of the yet uncultured bacterial Ct85-cluster in the mammalian gut. <i>Anaerobe</i> , 2020, 62, 102104.	1.0	1
47	<i>Akkermansia muciniphila</i> Exerts Lipid-Lowering and Immunomodulatory Effects without Affecting Neointima Formation in Hyperlipidemic APOE <sup>3</sup> Leiden.CETP Mice. <i>Molecular Nutrition and Food Research</i> , 2020, 64, e1900732.	1.5	39
48	<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.	2.3	78
49	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.	1.8	36
50	Characterization of Highly Mucus-Adherent Non-GMO Derivatives of <i>Lactocaseibacillus rhamnosus</i> GG. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 1024.	2.0	9
51	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.	13.5	188
52	Does entry to center-based childcare affect gut microbial colonization in young infants?. <i>Scientific Reports</i> , 2020, 10, 10235.	1.6	11
53	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, 3471.	1.7	42
54	<i>Akkermansia muciniphila</i> uses human milk oligosaccharides to thrive in the early life conditions in vitro. <i>Scientific Reports</i> , 2020, 10, 14330.	1.6	96

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55	Intestinimonas-like bacteria are important butyrate producers that utilize N <sup>ε</sup> -fructosyllysine and lysine in formula-fed infants and adults. <i>Journal of Functional Foods</i> , 2020, 70, 103974.	1.6	47
56	Bridging Bacteria and the Gut: Functional Aspects of Type IV Pili. <i>Trends in Microbiology</i> , 2020, 28, 340-348.	3.5	50
57	Back to the Roots: Revisiting the Use of the Fiber-Rich Cichorium <i>intybus</i> L. Taproots. <i>Advances in Nutrition</i> , 2020, 11, 878-890.	2.9	22
58	Pasteurized <i>Akkermansia muciniphila</i> increases whole-body energy expenditure and fecal energy excretion in diet-induced obese mice. <i>Gut Microbes</i> , 2020, 11, 1231-1245.	4.3	134
59	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.	6.1	465
60	Pasteurized <i>Akkermansia muciniphila</i> protects from fat mass gain but not from bone loss. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E480-E491.	1.8	27
61	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.	1.0	48
62	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.	2.9	53
63	Gut dysbacteriosis and intestinal disease: mechanism and treatment. <i>Journal of Applied Microbiology</i> , 2020, 129, 787-805.	1.4	55
64	<i>Akkermansia</i> and Microbial Degradation of Mucus in Cats and Dogs: Implications to the Growing Worldwide Epidemic of Pet Obesity. <i>Veterinary Sciences</i> , 2020, 7, 44.	0.6	13
65	Partial restoration of normal intestinal microbiota in morbidly obese women six months after bariatric surgery. <i>PeerJ</i> , 2020, 8, e10442.	0.9	4
66	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.	2.0	30
67	Universal membrane-labeling combined with expression of <i>Katushka</i> 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.	1.3	5
68	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.	15.2	1,281
69	Cohort profile: Finnish Health and Early Life Microbiota (HELMi) longitudinal birth cohort. <i>BMJ Open</i> , 2019, 9, e028500.	0.8	25
70	Allogenic Faecal Microbiota Transfer Induces Immune-Related Gene Sets in the Colon Mucosa of Patients with Irritable Bowel Syndrome. <i>Biomolecules</i> , 2019, 9, 586.	1.8	5
71	Mutual Metabolic Interactions in Co-cultures of the Intestinal <i>Anaerostipes rhamnosivorans</i> With an Acetogen, Methanogen, or Pectin-Degrader Affecting Butyrate Production. <i>Frontiers in Microbiology</i> , 2019, 10, 2449.	1.5	43
72	The Gut Microbiota in the First Decade of Life. <i>Trends in Microbiology</i> , 2019, 27, 997-1010.	3.5	368

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73	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. <i>Nature Communications</i> , 2019, 10, 457.	5.8	100
74	The Effect of Psyllium Husk on Intestinal Microbiota in Constipated Patients and Healthy Controls. <i>International Journal of Molecular Sciences</i> , 2019, 20, 433.	1.8	105
75	Bicistronic Design-Based Continuous and High-Level Membrane Protein Production in <i>Escherichia coli</i> . <i>ACS Synthetic Biology</i> , 2019, 8, 1685-1690.	1.9	23
76	Enhanced nutrient supply and intestinal microbiota development in very low birth weight infants. <i>Pediatric Research</i> , 2019, 86, 323-332.	1.1	5
77	Anaerobic Degradation of N <sup>ε</sup> -L-Carboxymethyllysine, a Major Glycation End-Product, by Human Intestinal Bacteria. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 6594-6602.	2.4	40
78	Gender-Specific Associations Between Saliva Microbiota and Body Size. <i>Frontiers in Microbiology</i> , 2019, 10, 767.	1.5	51
79	<i>Akkermansia muciniphila</i> ameliorates the age-related decline in colonic mucus thickness and attenuates immune activation in accelerated aging Ercc1 <sup>+/+</sup> mice. <i>Immunity and Ageing</i> , 2019, 16, 6.	1.8	130
80	The Use of Defined Microbial Communities To Model Host-Microbe Interactions in the Human Gut. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	56
81	Biotechnology of health-promoting bacteria. <i>Biotechnology Advances</i> , 2019, 37, 107369.	6.0	53
82	Reconstructing functional networks in the human intestinal tract using synthetic microbiomes. <i>Current Opinion in Biotechnology</i> , 2019, 58, 146-154.	3.3	27
83	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.	2.0	18
84	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.	1.6	19
85	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.	1.3	70
86	Bowel Biofilms: Tipping Points between a Healthy and Compromised Gut?. <i>Trends in Microbiology</i> , 2019, 27, 17-25.	3.5	97
87	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.	1.3	78
88	A Bifidobacterial pilus-associated protein promotes colonic epithelial proliferation. <i>Molecular Microbiology</i> , 2019, 111, 287-301.	1.2	62
89	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.	0.7	90
90	Model-driven design of a minimal medium for <i>Akkermansia muciniphila</i> confirms mucus adaptation. <i>Microbial Biotechnology</i> , 2018, 11, 476-485.	2.0	57

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91	Enterotypes in the landscape of gut microbial community composition. <i>Nature Microbiology</i> , 2018, 3, 8-16.	5.9	717
92	<i>Akkermansia muciniphila</i> induces gut microbiota remodelling and controls islet autoimmunity in NOD mice. <i>Gut</i> , 2018, 67, 1445-1453.	6.1	270
93	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, .	1.6	164
94	Reproducibility and repeatability of six high-throughput 16S rDNA sequencing protocols for microbiota profiling. <i>Journal of Microbiological Methods</i> , 2018, 147, 76-86.	0.7	30
95	Selected aspects of the human gut microbiota. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 81-82.	2.4	19
96	Rotavirus vaccine response correlates with the infant gut microbiota composition in Pakistan. <i>Gut Microbes</i> , 2018, 9, 93-101.	4.3	142
97	Mouse models for human intestinal microbiota research: a critical evaluation. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 149-160.	2.4	380
98	Probiotic supplementation restores normal microbiota composition and function in antibiotic-treated and in caesarean-born infants. <i>Microbiome</i> , 2018, 6, 182.	4.9	160
99	Fucosylated oligosaccharides in mother's milk alleviate the effects of caesarean birth on infant gut microbiota. <i>Scientific Reports</i> , 2018, 8, 13757.	1.6	86
100	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.	1.1	74
101	Flux, Impact, and Fate of Halogenated Xenobiotic Compounds in the Gut. <i>Frontiers in Physiology</i> , 2018, 9, 888.	1.3	44
102	<i>Akkermansia muciniphila</i> in the Human Gastrointestinal Tract: When, Where, and How?. <i>Microorganisms</i> , 2018, 6, 75.	1.6	286
103	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.	6.2	30
104	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.	0.6	76
105	Transcriptome analysis in whole blood reveals increased microbial diversity in schizophrenia. <i>Translational Psychiatry</i> , 2018, 8, 96.	2.4	92
106	Early life colonization of the human gut: microbes matter everywhere. <i>Current Opinion in Microbiology</i> , 2018, 44, 70-78.	2.3	141
107	Comparative genomic analysis of the multispecies probiotic-marketed product VSL#3. <i>PLoS ONE</i> , 2018, 13, e0192452.	1.1	33
108	<i>Romboutsia hominis</i> sp. nov., the first human gut-derived representative of the genus <i>Romboutsia</i> , isolated from ileostoma effluent. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3479-3486.	0.8	37

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109	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, 68, 3546-3550.	0.8	11
110	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.	0.8	77
111	Faecal and serum metabolomics in paediatric inflammatory bowel disease. <i>Journal of Crohn's and Colitis</i> , 2017, 11, jjw158.	0.6	104
112	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.	1.3	75
113	Akkermansia muciniphila and its role in regulating host functions. <i>Microbial Pathogenesis</i> , 2017, 106, 171-181.	1.3	775
114	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.	1.2	27
115	Complete Genome Sequence of Akkermansia glycaniphila Strain Pyt <sup>T</sup> , a Mucin-Degrading Specialist of the Reticulated Python Gut. <i>Genome Announcements</i> , 2017, 5, .	0.8	16
116	Homeostasis of the gut barrier and potential biomarkers. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G171-G193.	1.6	408
117	European consensus conference on faecal microbiota transplantation in clinical practice. <i>Gut</i> , 2017, 66, 569-580.	6.1	793
118	Childhood BMI in relation to microbiota in infancy and lifetime antibiotic use. <i>Microbiome</i> , 2017, 5, 26.	4.9	99
119	Microbiome yarns: microbiology of curly and straight hair. <i>Microbial Biotechnology</i> , 2017, 10, 231-237.	2.0	1
120	Microbial shifts and signatures of long-term remission in ulcerative colitis after faecal microbiota transplantation. <i>ISME Journal</i> , 2017, 11, 1877-1889.	4.4	157
121	Enrichment of sulfidogenic bacteria from the human intestinal tract. <i>FEMS Microbiology Letters</i> , 2017, 364, .	0.7	25
122	Antibiotic-induced gut microbiota disruption during human endotoxemia: a randomised controlled study. <i>Gut</i> , 2017, 66, 1623-1630.	6.1	69
123	Complete Genome Sequence of Eubacterium hallii Strain L2-7. <i>Genome Announcements</i> , 2017, 5, .	0.8	17
124	Towards standards for human fecal sample processing in metagenomic studies. <i>Nature Biotechnology</i> , 2017, 35, 1069-1076.	9.4	581
125	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.	7.2	689
126	Preparation and preservation of viable Akkermansia muciniphila cells for therapeutic interventions. <i>Beneficial Microbes</i> , 2017, 8, 163-169.	1.0	28



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127	Action and function of Akkermansia muciniphila in microbiome ecology, health and disease. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2017, 31, 637-642.	1.0	191
128	Anti-Infective Effect of Adhesive Probiotic Lactobacillus in Fish is Correlated With Their Spatial Distribution in the Intestinal Tissue. Scientific Reports, 2017, 7, 13195.	1.6	53
129	<i>C4B</i> gene influences intestinal microbiota through complement activation in patients with paediatric-onset inflammatory bowel disease. Clinical and Experimental Immunology, 2017, 190, 394-405.	1.1	20
130	The contribution of microbial biotechnology to sustainable development goals. Microbial Biotechnology, 2017, 10, 984-987.	2.0	73
131	Encapsulation of the therapeutic microbe Akkermansia muciniphila in a double emulsion enhances survival in simulated gastric conditions. Food Research International, 2017, 102, 372-379.	2.9	56
132	Variation of mucin adhesion, cell surface characteristics, and molecular mechanisms among Lactobacillus plantarum isolated from different habitats. Applied Microbiology and Biotechnology, 2017, 101, 7663-7674.	1.7	34
133	Microbial Metabolic Networks at the Mucus Layer Lead to Diet-Independent Butyrate and Vitamin B <sub>12</sub> Production by Intestinal Symbionts. MBio, 2017, 8, .	1.8	269
134	In vitro colonisation of the distal colon by Akkermansia muciniphila is largely mucin and pH dependent. Beneficial Microbes, 2017, 8, 81-96.	1.0	80
135	More than just a gut feeling: constraint-based genome-scale metabolic models for predicting functions of human intestinal microbes. Microbiome, 2017, 5, 78.	4.9	54
136	Genome-Scale Model and Omics Analysis of Metabolic Capacities of Akkermansia muciniphila Reveal a Preferential Mucin-Degrading Lifestyle. Applied and Environmental Microbiology, 2017, 83, .	1.4	170
137	Biochemical characterization of the xylan hydrolysis profile of the extracellular endo-xylanase from Geobacillus thermodenitrificans T12. BMC Biotechnology, 2017, 17, 44.	1.7	15
138	An Inducible Operon Is Involved in Inulin Utilization in Lactobacillus plantarum Strains, as Revealed by Comparative Proteogenomics and Metabolic Profiling. Applied and Environmental Microbiology, 2017, 83, .	1.4	43
139	Critically ill patients demonstrate large interpersonal variation in intestinal microbiota dysregulation: a pilot study. Intensive Care Medicine, 2017, 43, 59-68.	3.9	183
140	Significant Correlation Between the Infant Gut Microbiome and Rotavirus Vaccine Response in Rural Ghana. Journal of Infectious Diseases, 2017, 215, 34-41.	1.9	227
141	A purified membrane protein from Akkermansia muciniphila or the pasteurized bacterium improves metabolism in obese and diabetic mice. Nature Medicine, 2017, 23, 107-113.	15.2	1,451
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