

Disentangling type 2 diabetes and metformin treatment microbiota

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Editorial (Thematic Issue : Gut Permeability and the Microbiome: Emerging Roles in CNS Function in) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	8.9	0
4	Deciphering bacterial community changes in Zucker diabetic fatty rats based on 16S rRNA gene sequences analysis. <i>Oncotarget</i> , 2016, 7, 48941-48952.	0.8	19
5	Microflora Disturbance during Progression of Glucose Intolerance and Effect of Sitagliptin: An Animal Study. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-10.	1.0	85
6	Qualitative Parameters of the Colonic Flora in Patients with HNF1A-MODY Are Different from Those Observed in Type 2 Diabetes Mellitus. <i>Journal of Diabetes Research</i> , 2016, 2016, 1-9.	1.0	10
7	Metformin and the Gut Microbiome in Diabetes. <i>Clinical Chemistry</i> , 2016, 62, 1554-1555.	1.5	4
8	Molecular Insight into Gut Microbiota and Rheumatoid Arthritis. <i>International Journal of Molecular Sciences</i> , 2016, 17, 431.	1.8	59
9	Effects of Probiotics and Synbiotics on Obesity, Insulin Resistance Syndrome, Type 2 Diabetes and Non-Alcoholic Fatty Liver Disease: A Review of Human Clinical Trials. <i>International Journal of Molecular Sciences</i> , 2016, 17, 928.	1.8	215
11	Gut Microbiota and Coronary Artery Disease. <i>International Heart Journal</i> , 2016, 57, 663-671.	0.5	55
12	Machine Learning Meta-analysis of Large Metagenomic Datasets: Tools and Biological Insights. <i>PLoS Computational Biology</i> , 2016, 12, e1004977.	1.5	434
13	Colorectal Cancer and the Human Gut Microbiome: Reproducibility with Whole-Genome Shotgun Sequencing. <i>PLoS ONE</i> , 2016, 11, e0155362.	1.1	249
14	Involvement of glucagon-like peptide-1 in the glucose-lowering effect of metformin. <i>Diabetes, Obesity and Metabolism</i> , 2016, 18, 955-961.	2.2	50
15	Metagenome-wide association studies: fine-mining the microbiome. <i>Nature Reviews Microbiology</i> , 2016, 14, 508-522.	13.6	356
16	Microbiota and Neurological Disorders: A Gut Feeling. <i>BioResearch Open Access</i> , 2016, 5, 137-145.	2.6	108
17	Effect of antibiotics on gut microbiota, glucose metabolism and body weight regulation: a review of the literature. <i>Diabetes, Obesity and Metabolism</i> , 2016, 18, 444-453.	2.2	62
18	Microbiome-wide association studies link dynamic microbial consortia to disease. <i>Nature</i> , 2016, 535, 94-103.	13.7	595
19	Gut microbiome and lipid metabolism. <i>Current Opinion in Lipidology</i> , 2016, 27, 216-224.	1.2	72
20	Evaluation of differential effects of metformin treatment in obese children according to pubertal stage and genetic variations: study protocol for a randomized controlled trial. <i>Trials</i> , 2016, 17, 323.	0.7	6
21	Gut microbiota and type 2 diabetes mellitus. <i>Endocrinologia Y Nutrición (English Edition)</i> , 2016, 63, 560-568.	0.5	64

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23	Comparative Fingerprinting of the Human Microbiota in Diabetes and Cardiovascular Disease. <i>Journal of Medicinal Food</i> , 2016, 19, 1188-1195.	0.8	30
24	Roux-en-Y gastric bypass surgery of morbidly obese patients induces swift and persistent changes of the individual gut microbiota. <i>Genome Medicine</i> , 2016, 8, 67.	3.6	260
25	Gut microbiome and liver diseases. <i>Gut</i> , 2016, 65, 2035-2044.	6.1	443
26	The Human Intestinal Microbiome in Health and Disease. <i>New England Journal of Medicine</i> , 2016, 375, 2369-2379.	13.9	2,383
27	Host-microbiome interactions in human type 2 diabetes following prebiotic fibre (galacto-oligosaccharide) intake. <i>British Journal of Nutrition</i> , 2016, 116, 1869-1877.	1.2	85
29	Antibiotics as deep modulators of gut microbiota: between good and evil. <i>Gut</i> , 2016, 65, 1906-1915.	6.1	463
30	Dietary metabolites and the gut microbiota: an alternative approach to control inflammatory and autoimmune diseases. <i>Clinical and Translational Immunology</i> , 2016, 5, e82.	1.7	196
31	Once-daily delayed-release metformin lowers plasma glucose and enhances fasting and postprandial GLP-1 and PYY: results from two randomised trials. <i>Diabetologia</i> , 2016, 59, 1645-1654.	2.9	95
32	Hypothalamic AMPK: a canonical regulator of whole-body energy balance. <i>Nature Reviews Endocrinology</i> , 2016, 12, 421-432.	4.3	227
33	The Microbiome in Obesity, Diabetes, and NAFLD: What is Your Gut Telling Us?. <i>Current Hepatology Reports</i> , 2016, 15, 96-102.	0.4	4
34	Strain-level dissection of the contribution of the gut microbiome to human metabolic disease. <i>Genome Medicine</i> , 2016, 8, 41.	3.6	86
35	Pharmacogenomics in diabetes mellitus: insights into drug action and drug discovery. <i>Nature Reviews Endocrinology</i> , 2016, 12, 337-346.	4.3	47
36	Population-based metagenomics analysis reveals markers for gut microbiome composition and diversity. <i>Science</i> , 2016, 352, 565-569.	6.0	1,398
37	Population-level analysis of gut microbiome variation. <i>Science</i> , 2016, 352, 560-564.	6.0	1,716
38	Durable coexistence of donor and recipient strains after fecal microbiota transplantation. <i>Science</i> , 2016, 352, 586-589.	6.0	461
39	Antibiotic use and its consequences for the normal microbiome. <i>Science</i> , 2016, 352, 544-545.	6.0	632
40	Microbiome sequencing: challenges and opportunities for molecular medicine. <i>Expert Review of Molecular Diagnostics</i> , 2016, 16, 795-805.	1.5	33
41	Fine-tuning of the mucosal barrier and metabolic systems using the diet-microbial metabolite axis. <i>International Immunopharmacology</i> , 2016, 37, 79-86.	1.7	16

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42	Kinetically controlled E -selective catalytic olefin metathesis. <i>Science</i> , 2016, 352, 569-575.	6.0	114
43	Antibiotic-Induced Changes in the Intestinal Microbiota and Disease. <i>Trends in Molecular Medicine</i> , 2016, 22, 458-478.	3.5	630
44	The effects of indoor and outdoor temperature on metabolic rate and adipose tissue – the Mississippi perspective on the obesity epidemic. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2016, 17, 61-71.	2.6	29
45	Alterations in fecal microbiota composition by probiotic supplementation in healthy adults: a systematic review of randomized controlled trials. <i>Genome Medicine</i> , 2016, 8, 52.	3.6	413
46	Linking the Microbiota, Chronic Disease, and the Immune System. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 831-843.	3.1	195
47	In Vivo Imaging of Human ^{11}C -Metformin in Peripheral Organs: Dosimetry, Biodistribution, and Kinetic Analyses. <i>Journal of Nuclear Medicine</i> , 2016, 57, 1920-1926.	2.8	106
48	Microbiota y diabetes mellitus tipo 2. <i>Endocrinología Y Nutricion: Organo De La Sociedad Espanola De Endocrinología Y Nutricion</i> , 2016, 63, 560-568.	0.8	111
49	Microbial bioinformatics 2020. <i>Microbial Biotechnology</i> , 2016, 9, 681-686.	2.0	16
50	Exposing the exposures responsible for type 2 diabetes and obesity. <i>Science</i> , 2016, 354, 69-73.	6.0	201
51	Challenges of implementing personalized (precision) medicine: a focus on diabetes. <i>Personalized Medicine</i> , 2016, 13, 485-497.	0.8	5
52	Effect of Serotonin Transporter 5-HTTLPR Polymorphism on Gastrointestinal Intolerance to Metformin: A GoDARTS Study. <i>Diabetes Care</i> , 2016, 39, 1896-1901.	4.3	41
53	Causality of small and large intestinal microbiota in weight regulation and insulin resistance. <i>Molecular Metabolism</i> , 2016, 5, 759-770.	3.0	142
54	An overview of major metagenomic studies on human microbiomes in health and disease. <i>Quantitative Biology</i> , 2016, 4, 192-206.	0.3	10
55	Metabolic Control of Longevity. <i>Cell</i> , 2016, 166, 802-821.	13.5	591
56	Personalized medicine in diabetes: the role of omics™ and biomarkers. <i>Diabetic Medicine</i> , 2016, 33, 712-717.	1.2	61
57	The gut microbiota: A treasure for human health. <i>Biotechnology Advances</i> , 2016, 34, 1210-1224.	6.0	158
58	Diet and Gut Microbial Function in Metabolic and Cardiovascular Disease Risk. <i>Current Diabetes Reports</i> , 2016, 16, 93.	1.7	28
60	Toward Accurate and Quantitative Comparative Metagenomics. <i>Cell</i> , 2016, 166, 1103-1116.	13.5	247

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61	Targeting Cancer Metabolism: Dietary and Pharmacologic Interventions. <i>Cancer Discovery</i> , 2016, 6, 1315-1333.	7.7	137
62	Altered Transport and Metabolism of Phenolic Compounds in Obesity and Diabetes: Implications for Functional Food Development and Assessment. <i>Advances in Nutrition</i> , 2016, 7, 1090-1104.	2.9	52
63	Leveraging premalignant biology for immune-based cancer prevention. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 10750-10758.	3.3	57
64	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016, 535, 376-381.	13.7	1,506
65	Metformin Targets Central Carbon Metabolism and Reveals Mitochondrial Requirements in Human Cancers. <i>Cell Metabolism</i> , 2016, 24, 728-739.	7.2	192
66	Speciesâ€function relationships shape ecological properties of the human gut microbiome. <i>Nature Microbiology</i> , 2016, 1, 16088.	5.9	279
67	Environmental Change and Human Health: Can Environmental Proxies Inform the Biodiversity Hypothesis for Protective Microbialâ€Human Contact?. <i>BioScience</i> , 2016, 66, 1023-1034.	2.2	21
68	<i>Akkermansia muciniphila</i> mediates negative effects of IFNÎ³ on glucose metabolism. <i>Nature Communications</i> , 2016, 7, 13329.	5.8	232
69	Omics Approaches To Probe Microbiota and Drug Metabolism Interactions. <i>Chemical Research in Toxicology</i> , 2016, 29, 1987-1997.	1.7	7
70	Targeting AMPK for the Alleviation of Pathological Pain. <i>Exs</i> , 2016, 107, 257-285.	1.4	29
71	Tiny microbes, enormous impacts: what matters in gut microbiome studies?. <i>Genome Biology</i> , 2016, 17, 217.	3.8	128
72	AMP-activated Protein Kinase. <i>Exs</i> , 2016, , .	1.4	10
74	EDITORIAL: â€œThe Kochâ€™sâ€view on the sense of taste in endocrinology. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2016, 17, 143-147.	2.6	6
75	Host genetics affect microbial ecosystems via host immunity. <i>Current Opinion in Allergy and Clinical Immunology</i> , 2016, 16, 413-420.	1.1	9
76	<i>Akkermansia muciniphila</i> : a novel functional microbe with probiotic properties. <i>Beneficial Microbes</i> , 2016, 7, 571-584.	1.0	104
77	Targeting glucose metabolism for healthy aging. <i>Nutrition and Healthy Aging</i> , 2016, 4, 31-46.	0.5	55
78	Global investigation of composition and interaction networks in gut microbiomes of individuals belonging to diverse geographies and age-groups. <i>Gut Pathogens</i> , 2016, 8, 17.	1.6	38
79	The microbial-mammalian metabolic axis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2016, 19, 250-256.	1.3	20

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80	The Future of Vascular Biology and Medicine. <i>Circulation</i> , 2016, 133, 2603-2609.	1.6	16
81	Mirror, mirror on the wall: which microbiomes will help heal them all?. <i>BMC Medicine</i> , 2016, 14, 72.	2.3	31
82	Prescription drugs obscure microbiome analyses. <i>Science</i> , 2016, 351, 452-453.	6.0	32
83	Confounding Effects of Metformin on the Human Gut Microbiome in Type 2 Diabetes. <i>Cell Metabolism</i> , 2016, 23, 10-12.	7.2	67
84	Antidiabetic drug treatment confounds gut dysbiosis associated with type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2016, 12, 61-61.	4.3	17
85	Metformin and the gastrointestinal tract. <i>Diabetologia</i> , 2016, 59, 426-435.	2.9	472
86	Taking it Personally: Personalized Utilization of the Human Microbiome in Health and Disease. <i>Cell Host and Microbe</i> , 2016, 19, 12-20.	5.1	192
87	Metformin Joins Forces with Microbes. <i>Cell Host and Microbe</i> , 2016, 19, 1-3.	5.1	48
88	Gut microbiota, obesity and diabetes. <i>Postgraduate Medical Journal</i> , 2016, 92, 286-300.	0.9	377
89	Role of the microbiome in the normal and aberrant glycemic response. <i>Clinical Nutrition Experimental</i> , 2016, 6, 59-73.	2.0	29
90	<i>Akkermansia muciniphila</i> and its role in regulating host functions. <i>Microbial Pathogenesis</i> , 2017, 106, 171-181.	1.3	775
91	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
92	Metformin; a review of its history and future: from lilac to longevity. <i>Pediatric Diabetes</i> , 2017, 18, 10-16.	1.2	109
93	MicroRNAs and the metabolic hallmarks of aging. <i>Molecular and Cellular Endocrinology</i> , 2017, 455, 131-147.	1.6	51
94	Basic Definitions and Concepts: Organization of the Gut Microbiome. <i>Gastroenterology Clinics of North America</i> , 2017, 46, 1-8.	1.0	15
95	Personalized microbiome-based approaches to metabolic syndrome management and prevention. <i>Journal of Diabetes</i> , 2017, 9, 226-236.	0.8	39
96	Gut microbiota dysbiosis contributes to the development of hypertension. <i>Microbiome</i> , 2017, 5, 14.	4.9	1,086
97	Effects of Acarbose on the Gut Microbiota of Prediabetic Patients: A Randomized, Double-blind, Controlled Crossover Trial. <i>Diabetes Therapy</i> , 2017, 8, 293-307.	1.2	128

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98	Metformin: New Preparations and Nonglycemic Benefits. <i>Current Diabetes Reports</i> , 2017, 17, 5.	1.7	67
99	The influence of proton pump inhibitors and other commonly used medication on the gut microbiota. <i>Gut Microbes</i> , 2017, 8, 351-358.	4.3	136
101	The human gut microbiome as source of innovation for health: Which physiological and therapeutic outcomes could we expect?. <i>Therapie</i> , 2017, 72, 21-38.	0.6	28
102	Simplified and representative bacterial community of maize roots. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E2450-E2459.	3.3	487
103	Obesity pandemic: causes, consequences, and solutionsâ€”but do we have the will?. <i>Fertility and Sterility</i> , 2017, 107, 833-839.	0.5	279
105	Charting the Maternal and Infant Microbiome: What Is the Role of Diabetes and Obesity in Pregnancy?. <i>Current Diabetes Reports</i> , 2017, 17, 11.	1.7	26
106	Role of the Gut Microbiome in the Pathogenesis of Obesity and Obesity-Related Metabolic Dysfunction. <i>Gastroenterology</i> , 2017, 152, 1671-1678.	0.6	334
107	Comparison of Fecal Collection Methods for Microbiota Studies in Bangladesh. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	50
108	Dysbiosis and the immune system. <i>Nature Reviews Immunology</i> , 2017, 17, 219-232.	10.6	1,102
109	Parkinson's disease and Parkinson's disease medications have distinct signatures of the gut microbiome. <i>Movement Disorders</i> , 2017, 32, 739-749.	2.2	649
110	Functional relevance of microbiome signatures: The correlation era requires tools for consolidation. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, 1092-1098.	1.5	20
111	The gut microbiome as a target for prevention and treatment of hyperglycaemia in type 2 diabetes: from current human evidence to future possibilities. <i>Diabetologia</i> , 2017, 60, 943-951.	2.9	266
112	Using systems biology approaches to elucidate cause and effect in hostâ€“microbiome interactions. <i>Current Opinion in Systems Biology</i> , 2017, 3, 141-146.	1.3	11
113	Metformin ameliorates core deficits in a mouse model of fragile X syndrome. <i>Nature Medicine</i> , 2017, 23, 674-677.	15.2	164
114	Using genetics to inform new therapeutics for diabetes. <i>Expert Review of Endocrinology and Metabolism</i> , 2017, 12, 159-169.	1.2	0
115	Metforminâ€“associated lactic acidosis: <sc>M</sc>oving towards a new paradigm?. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 1499-1501.	2.2	11
116	Metformin causes a futile intestinalâ€“hepatic cycle which increases energy expenditure and slows down development of a type 2 diabetes-like state. <i>Molecular Metabolism</i> , 2017, 6, 737-747.	3.0	24
117	Gut Microbiome-Based Metagenomic Signature for Non-invasive Detection of Advanced Fibrosis in Human Nonalcoholic Fatty Liver Disease. <i>Cell Metabolism</i> , 2017, 25, 1054-1062.e5.	7.2	748

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119	Functional implications of microbial and viral gut metagenome changes in early stage L-DOPA-naïve Parkinson's disease patients. <i>Genome Medicine</i> , 2017, 9, 39.	3.6	420
121	Dietary Supplementation With Nonfermentable Fiber Alters the Gut Microbiota and Confers Protection in Murine Models of Sepsis. <i>Critical Care Medicine</i> , 2017, 45, e516-e523.	0.4	54
122	Ionic liquid-based reagents improve the stability of midterm fecal sample storage. <i>Journal of Microbiological Methods</i> , 2017, 139, 68-73.	0.7	2
123	The gut microbiome and hypertension. <i>Current Opinion in Nephrology and Hypertension</i> , 2017, 26, 1-8.	1.0	80
124	Attenuated Effects of Bile Acids on Glucose Metabolism and Insulin Sensitivity in a Male Mouse Model of Prenatal Undernutrition. <i>Endocrinology</i> , 2017, 158, 2441-2452.	1.4	19
125	Global metabolic interaction network of the human gut microbiota for context-specific community-scale analysis. <i>Nature Communications</i> , 2017, 8, 15393.	5.8	216
126	Optimizing methods and dodging pitfalls in microbiome research. <i>Microbiome</i> , 2017, 5, 52.	4.9	420
127	Metformin exerts anti-obesity effect via gut microbiome modulation in prediabetics: A hypothesis. <i>Medical Hypotheses</i> , 2017, 104, 117-120.	0.8	16
128	Metformin alters the gut microbiome of individuals with treatment-naïve type 2 diabetes, contributing to the therapeutic effects of the drug. <i>Nature Medicine</i> , 2017, 23, 850-858.	15.2	1,165
129	Methods and Reporting Studies Assessing Fecal Microbiota Transplantation. <i>Annals of Internal Medicine</i> , 2017, 167, 34.	2.0	88
130	The immune response to <i>Prevotella</i> bacteria in chronic inflammatory disease. <i>Immunology</i> , 2017, 151, 363-374.	2.0	789
131	Gut Microbiota, Endocrine-Disrupting Chemicals, and the Diabetes Epidemic. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 612-625.	3.1	118
132	Factors Influencing the Gut Microbiota, Inflammation, and Type 2 Diabetes. <i>Journal of Nutrition</i> , 2017, 147, 1468S-1475S.	1.3	268
133	Precancer Atlas to Drive Precision Prevention Trials. <i>Cancer Research</i> , 2017, 77, 1510-1541.	0.4	116
134	Dynamic profile of the microbiota during coconut water pre-fermentation for nata de coco production. <i>LWT - Food Science and Technology</i> , 2017, 81, 87-93.	2.5	19
135	The Microbiome and Human Biology. <i>Annual Review of Genomics and Human Genetics</i> , 2017, 18, 65-86.	2.5	266
136	The microbiota and HIV. <i>Aids</i> , 2017, 31, 863-865.	1.0	1
137	Colonization by non-pathogenic bacteria alters mRNA expression of cytochromes P450 in originally germ-free mice. <i>Folia Microbiologica</i> , 2017, 62, 463-469.	1.1	19

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138	Mechanisms and consequences of intestinal dysbiosis. Cellular and Molecular Life Sciences, 2017, 74, 2959-2977.	2.4	401
139	The Human Microbiota in Health and Disease. Engineering, 2017, 3, 71-82.	3.2	583
140	Gut microbiome as a clinical tool in gastrointestinal disease management: are we there yet?. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 315-320.	8.2	96
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142	Metabolic effects of <i>Lactobacillus reuteri</i> DSM 17938 in people with type 2 diabetes: A randomized controlled trial. Diabetes, Obesity and Metabolism, 2017, 19, 579-589.	2.2	199
143	A story of metformin-butyrate synergism to control various pathological conditions as a consequence of gut microbiome modification: Genesis of a wonder drug?. Pharmacological Research, 2017, 117, 103-128.	3.1	55
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146	Further analysis reveals new gut microbiome markers of type 2 diabetes mellitus. Antonie Van Leeuwenhoek, 2017, 110, 445-453.	0.7	26
147	New insights into the anti-diabetic actions of metformin: from the liver to the gut. Expert Review of Gastroenterology and Hepatology, 2017, 11, 157-166.	1.4	38
148	Towards standards for human fecal sample processing in metagenomic studies. Nature Biotechnology, 2017, 35, 1069-1076.	9.4	581
149	Galacto-oligosaccharides ameliorate dysbiotic Bifidobacteriaceae decline in Japanese patients with type 2 diabetes. Beneficial Microbes, 2017, 8, 705-716.	1.0	54
150	Improvement of Insulin Sensitivity after Lean Donor Feces in Metabolic Syndrome Is Driven by Baseline Intestinal Microbiota Composition. Cell Metabolism, 2017, 26, 611-619.e6.	7.2	689
151	Attenuation of CD4+CD25+ Regulatory T Cells in the Tumor Microenvironment by Metformin, a Type 2 Diabetes Drug. EBioMedicine, 2017, 25, 154-164.	2.7	108
152	The gut microbiome in atherosclerotic cardiovascular disease. Nature Communications, 2017, 8, 845.	5.8	1,029
153	Microbiota-Brain-Gut Axis and Neurodegenerative Diseases. Current Neurology and Neuroscience Reports, 2017, 17, 94.	2.0	513
154	Probiotic strains and mechanistic insights for the treatment of type 2 diabetes. Endocrine, 2017, 58, 207-227.	1.1	33
155	A Western diet-induced mouse model reveals a possible mechanism by which metformin decreases obesity. European Journal of Clinical Pharmacology, 2017, 73, 1337-1339.	0.8	3

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156	Shared Dysregulation of Homeostatic Brain-Body Pathways in Depression and Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2017, 17, 90.	1.7	23
157	Interaction between diet composition and gut microbiota and its impact on gastrointestinal tract health. <i>Food Science and Human Wellness</i> , 2017, 6, 121-130.	2.2	116
158	Gut microbiota composition is associated with polypharmacy in elderly hospitalized patients. <i>Scientific Reports</i> , 2017, 7, 11102.	1.6	146
159	The hundred most-cited publications in microbiota of diabetes research. <i>Medicine (United States)</i> , 2017, 96, e7338.	0.4	27
160	Microbiota and neurodegenerative diseases. <i>Current Opinion in Neurology</i> , 2017, 30, 630-638.	1.8	64
161	Possible Long-Term Efficacy of Sitagliptin, a Dipeptidyl Peptidase-4 Inhibitor, for Slowly Progressive Type 1 Diabetes (SPIDDM) in the Stage of Non-Insulin-Dependency: An Open-Label Randomized Controlled Pilot Trial (SPAN-S). <i>Diabetes Therapy</i> , 2017, 8, 1123-1134.	1.2	36
162	Dietary intake of fat and fibre according to reference values relates to higher gut microbiota richness in overweight pregnant women. <i>British Journal of Nutrition</i> , 2017, 118, 343-352.	1.2	93
163	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.	1.0	80
164	<i>Lactobacillus casei</i> CCFM419 attenuates type 2 diabetes via a gut microbiota dependent mechanism. <i>Food and Function</i> , 2017, 8, 3155-3164.	2.1	123
166	The aerial parts of <i>Salvia miltiorrhiza</i> Bge. strengthen intestinal barrier and modulate gut microbiota imbalance in streptozocin-induced diabetic mice. <i>Journal of Functional Foods</i> , 2017, 36, 362-374.	1.6	32
167	Results of the HEMO Study suggest that p-cresol sulfate and indoxyl sulfate are not associated with cardiovascular outcomes. <i>Kidney International</i> , 2017, 92, 1484-1492.	2.6	65
168	Anti-diabetic Effects of <i>Clostridium butyricum</i> CGMCC0313.1 through Promoting the Growth of Gut Butyrate-producing Bacteria in Type 2 Diabetic Mice. <i>Scientific Reports</i> , 2017, 7, 7046.	1.6	117
169	Quantitative metagenomics reveals unique gut microbiome biomarkers in ankylosing spondylitis. <i>Genome Biology</i> , 2017, 18, 142.	3.8	268
170	The mechanisms of action of metformin. <i>Diabetologia</i> , 2017, 60, 1577-1585.	2.9	1,421
171	The effects of metformin on gut microbiota and the immune system as research frontiers. <i>Diabetologia</i> , 2017, 60, 1662-1667.	2.9	79
172	Gut cell metabolism shapes the microbiome. <i>Science</i> , 2017, 357, 548-549.	6.0	59
173	A Structural Basis for Biguanide Activity. <i>Biochemistry</i> , 2017, 56, 4786-4798.	1.2	20
175	Colonic Butyrate-Producing Communities in Humans: an Overview Using Omics Data. <i>MSystems</i> , 2017, 2, .	1.7	328

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176	Exploring the microbiome in health and disease. <i>Toxicology Research and Application</i> , 2017, 1, 239784731774188.	0.7	36
178	Analyses of gut microbiota and plasma bile acids enable stratification of patients for antidiabetic treatment. <i>Nature Communications</i> , 2017, 8, 1785.	5.8	312
179	Metformin-resistant folic acid producing probiotics or folic acid against metformin's adverse effects like diarrhea. <i>Medical Hypotheses</i> , 2017, 106, 33-34.	0.8	14
181	Genomics and metagenomics of trimethylamine-utilizing Archaea in the human gut microbiome. <i>ISME Journal</i> , 2017, 11, 2059-2074.	4.4	112
182	Host Genetics and Gut Microbiome: Challenges and Perspectives. <i>Trends in Immunology</i> , 2017, 38, 633-647.	2.9	219
183	Antibacterial Effects of Antiretrovirals, Potential Implications for Microbiome Studies in HIV. <i>Antiviral Therapy</i> , 2018, 23, 91-94.	0.6	28
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