Patrice D. Cani

List of Publications by Year
in descending order

343 papers	64,766 citations	1231 110 h-index	871 243 g-index
362 all docs	362 docs citations	362 times ranked	48336 citing authors

#	Article	IF	Citations
1	Metabolic Endotoxemia Initiates Obesity and Insulin Resistance. Diabetes, 2007, 56, 1761-1772.	0.3	4,964
2	Changes in Gut Microbiota Control Metabolic Endotoxemia-Induced Inflammation in High-Fat Dietâ€“Induced Obesity and Diabetes in Mice. Diabetes, 2008, 57, 1470-1481.	0.3	3,897
3	Cross-talk between <i>Akkermansia muciniphila</i> and intestinal epithelium controls diet-induced obesity. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 9066-9071.	3.3	3,474
4	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 491-502.	8.2	3,192
5	Changes in gut microbiota control inflammation in obese mice through a mechanism involving GLP-2-driven improvement of gut permeability. Gut, 2009, 58, 1091-1103.	6.1	2,061
6	Prebiotic effects: metabolic and health benefits. British Journal of Nutrition, 2010, 104, S1-S63.	1.2	1,745
7	Selective increases of bifidobacteria in gut microflora improve high-fat-diet-induced diabetes in mice through a mechanism associated with endotoxaemia. Diabetologia, 2007, 50, 2374-2383.	2.9	1,507
8	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
9	<i>Akkermansia muciniphila</i>and improved metabolic health during a dietary intervention in obesity: relationship with gut microbiome richness and ecology. Gut, 2016, 65, 426-436.	6.1	1,379
10	Supplementation with Akkermansia muciniphila in overweight and obese human volunteers: a proof-of-concept exploratory study. Nature Medicine, 2019, 25, 1096-1103.	15.2	1,281
11	Human gut microbiome: hopes, threats and promises. Gut, 2018, 67, 1716-1725.	6.1	957
12	Responses of Gut Microbiota and Glucose and Lipid Metabolism to Prebiotics in Genetic Obese and Diet-Induced Leptin-Resistant Mice. Diabetes, 2011, 60, 2775-2786.	0.3	881
13	The Role of the Gut Microbiota in Energy Metabolism and Metabolic Disease. Current Pharmaceutical Design, 2009, 15, 1546-1558.	0.9	775
14	Crosstalk between Gut Microbiota and Dietary Lipids Aggravates WAT Inflammation through TLR Signaling. Cell Metabolism, 2015, 22, 658-668.	7.2	763
15	Next-Generation Beneficial Microbes: The Case of Akkermansia muciniphila. Frontiers in Microbiology, 2017, 8, 1765.	1.5	713
16	Mucus barrier, mucins and gut microbiota: the expected slimy partners?. Gut, 2020, 69, 2232-2243.	6.1	698
17	Involvement of gut microbiota in the development of low-grade inflammation and type 2 diabetes associated with obesity. Gut Microbes, 2012, 3, 279-288.	4.3	682
18	Towards a more comprehensive concept for prebiotics. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 303-310.	8.2	679

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19	Akkermansia muciniphila inversely correlates with the onset of inflammation, altered adipose tissue metabolism and metabolic disorders during obesity in mice. Scientific Reports, 2015, 5, 16643.	1.6	663
20	Gut microbiome and health: mechanistic insights. Gut, 2022, 71, 1020-1032.	6.1	661
21	Targeting gut microbiota in obesity: effects of prebiotics and probiotics. Nature Reviews Endocrinology, 2011, 7, 639-646.	4.3	653
22	Intestinal permeability, gut-bacterial dysbiosis, and behavioral markers of alcohol-dependence severity. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4485-93.	3.3	652
23	Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. Gut, 2013, 62, 1112-1121.	6.1	632
24	Gut microbiota fermentation of prebiotics increases satietogenic and incretin gut peptide production with consequences for appetite sensation and glucose response after a meal. American Journal of Clinical Nutrition, 2009, 90, 1236-1243.	2.2	615
25	Human Intestinal Barrier Function in Health and Disease. Clinical and Translational Gastroenterology, 2016, 7, e196.	1.3	569
26	The endocannabinoid system links gut microbiota to adipogenesis. Molecular Systems Biology, 2010, 6, 392.	3.2	547
27	Energy intake is associated with endotoxemia in apparently healthy men. American Journal of Clinical Nutrition, 2008, 87, 1219-1223.	2.2	498
28	Microbiome of prebiotic-treated mice reveals novel targets involved in host response during obesity. ISME Journal, 2014, 8, 2116-2130.	4.4	491
29	Diabetes, obesity and gut microbiota. Bailliere's Best Practice and Research in Clinical Gastroenterology, 2013, 27, 73-83.	1.0	472
30	Gut microbiome and liver diseases. Gut, 2016, 65, 2035-2044.	6.1	443
31	Gut microbiota modulation with norfloxacin and ampicillin enhances glucose tolerance in mice. FASEB Journal, 2008, 22, 2416-2426.	0.2	430
32	Apelin Stimulates Glucose Utilization in Normal and Obese Insulin-Resistant Mice. Cell Metabolism, 2008, 8, 437-445.	7.2	417
33	Homeostasis of the gut barrier and potential biomarkers. American Journal of Physiology - Renal Physiology, 2017, 312, G171-G193.	1.6	408
34	Prebiotic Effects of Wheat Arabinoxylan Related to the Increase in Bifidobacteria, Roseburia and Bacteroides/Prevotella in Diet-Induced Obese Mice. PLoS ONE, 2011, 6, e20944.	1.1	383
35	Targeted Deletion of AIF Decreases Mitochondrial Oxidative Phosphorylation and Protects from Obesity and Diabetes. Cell, 2007, 131, 476-491.	13.5	381
36	Inulin-type fructans modulate gastrointestinal peptides involved in appetite regulation (glucagon-like) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	367

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37	Improvement of Glucose Tolerance and Hepatic Insulin Sensitivity by Oligofructose Requires a Functional Glucagon-Like Peptide 1 Receptor. Diabetes, 2006, 55, 1484-1490.	0.3	365
38	Interaction Between Obesity and the Gut Microbiota: Relevance in Nutrition. Annual Review of Nutrition, 2011, 31, 15-31.	4.3	358
39	Microbial regulation of organismal energy homeostasis. Nature Metabolism, 2019, 1, 34-46.	5.1	354
40	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. Cell, 2018, 175, 679-694.e22.	13.5	344
41	Can probiotics modulate human disease by impacting intestinal barrier function?. British Journal of Nutrition, 2017, 117, 93-107.	1.2	343
42	Drosophila Genome-wide Obesity Screen Reveals Hedgehog as a Determinant of Brown versus White Adipose Cell Fate. Cell, 2010, 140, 148-160.	13.5	336
43	Oligofructose promotes satiety in healthy human: a pilot study. European Journal of Clinical Nutrition, 2006, 60, 567-572.	1.3	334
44	Oligofructose Promotes Satiety in Rats Fed a Highâ€Fat Diet: Involvement of Glucagonâ€Like Peptideâ€1. Obesity, 2005, 13, 1000-1007.	4.0	326
45	Prebiotics: why definitions matter. Current Opinion in Biotechnology, 2016, 37, 1-7.	3.3	326
46	Interplay between obesity and associated metabolic disorders: new insights into the gut microbiota. Current Opinion in Pharmacology, 2009, 9, 737-743.	1.7	325
47	Microbial Modulation of Energy Availability in the Colon Regulates Intestinal Transit. Cell Host and Microbe, 2013, 14, 582-590.	5.1	306
48	Gut microbiota, enteroendocrine functions and metabolism. Current Opinion in Pharmacology, 2013, 13, 935-940.	1.7	300
49	The gut microbiome as therapeutic target. , 2011, 130, 202-212.		299
50	Endocannabinoids â€" at the crossroads between the gut microbiota and host metabolism. Nature Reviews Endocrinology, 2016, 12, 133-143.	4.3	275
51	Gut microflora as a target for energy and metabolic homeostasis. Current Opinion in Clinical Nutrition and Metabolic Care, 2007, 10, 729-734.	1.3	270
52	<i>Akkermansia muciniphila</i> induces gut microbiota remodelling and controls islet autoimmunity in NOD mice. Gut, 2018, 67, 1445-1453.	6.1	270
53	Altered Gut Microbiota and Endocannabinoid System Tone in Obese and Diabetic Leptin-Resistant Mice: Impact on Apelin Regulation in Adipose Tissue. Frontiers in Microbiology, 2011, 2, 149.	1.5	267
54	Diet and depression: exploring the biological mechanisms of action. Molecular Psychiatry, 2021, 26, 134-150.	4.1	265

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55	Brain glucagon-like peptide-1 increases insulin secretion and muscle insulin resistance to favor hepatic glycogen storage. Journal of Clinical Investigation, 2005, 115, 3554-3563.	3.9	263
56	How Probiotics Affect the Microbiota. Frontiers in Cellular and Infection Microbiology, 2019, 9, 454.	1.8	258
57	Gut microbiota-mediated inflammation in obesity: a link with gastrointestinal cancer. Nature Reviews Gastroenterology and Hepatology, 2018, 15, 671-682.	8.2	257
58	Gut-derived lipopolysaccharide augments adipose macrophage accumulation but is not essential for impaired glucose or insulin tolerance in mice. Gut, 2012, 61, 1701-1707.	6.1	252
59	Impact of inulin and oligofructose on gastrointestinal peptides. British Journal of Nutrition, 2005, 93, S157-S161.	1.2	248
60	Gut microbiota controls adipose tissue expansion, gut barrier and glucose metabolism: novel insights into molecular targets and interventions using prebiotics. Beneficial Microbes, 2014, 5, 3-17.	1.0	241
61	Akkermansia muciniphila: paradigm for next-generation beneficial microorganisms. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 625-637.	8.2	239
62	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. British Journal of Cancer, 2012, 107, 1337-1344.	2.9	238
63	Inulin-type fructans with prebiotic properties counteract GPR43 overexpression and PPARÎ³-related adipogenesis in the white adipose tissue of high-fat diet-fed mice. Journal of Nutritional Biochemistry, 2011, 22, 712-722.	1.9	237
64	Hedgehog Partial Agonism Drives Warburg-like Metabolism in Muscle and Brown Fat. Cell, 2012, 151, 414-426.	13.5	237
65	Role of intestinal permeability and inflammation in the biological and behavioral control of alcohol-dependent subjects. Brain, Behavior, and Immunity, 2012, 26, 911-918.	2.0	237
66	How gut microbes talk to organs: The role of endocrine and nervous routes. Molecular Metabolism, 2016, 5, 743-752.	3.0	237
67	Dietary non-digestible carbohydrates promote L-cell differentiation in the proximal colon of rats. British Journal of Nutrition, 2007, 98, 32-37.	1.2	221
68	Gut microorganisms as promising targets for the management of type 2 diabetes. Diabetologia, 2015, 58, 2206-2217.	2.9	220
69	Inulin-type fructans modulate intestinal Bifidobacterium species populations and decrease fecal short-chain fatty acids in obese women. Clinical Nutrition, 2015, 34, 501-507.	2.3	220
70	<i>Saccharomyces boulardii</i> Administration Changes Gut Microbiota and Reduces Hepatic Steatosis, Low - Grade Inflammation, and Fat Mass in Obese and Type 2 Diabetic <i>db</i> / <i>db</i> Mice. MBio, 2014, 5, e01011-14.	1.8	217
71	Liver Adenosine Monophosphate-Activated Kinase-Î±2 Catalytic Subunit Is a Key Target for the Control of Hepatic Glucose Production by Adiponectin and Leptin But Not Insulin. Endocrinology, 2006, 147, 2432-2441.	1.4	216
72	Dietary modulation of clostridial cluster XIVa gut bacteria (Roseburia spp.) by chitinâ€“glucan fiber improves host metabolic alterations induced by high-fat diet in mice. Journal of Nutritional Biochemistry, 2012, 23, 51-59.	1.9	215

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73	Role of gut microflora in the development of obesity and insulin resistance following high-fat diet feeding. Pathologie Et Biologie, 2008, 56, 305-309.	2.2	210
74	Kupffer cell activation is a causal factor for hepatic insulin resistance. American Journal of Physiology - Renal Physiology, 2010, 298, G107-G116.	1.6	204
75	Polyphenol-rich extract of pomegranate peel alleviates tissue inflammation and hypercholesterolaemia in high-fat diet-induced obese mice: potential implication of the gut microbiota. British Journal of Nutrition, 2013, 109, 802-809.	1.2	197
76	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. Nature Communications, 2014, 5, 5648.	5.8	197
77	Gut microbiota and GLP-1. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 189-196.	2.6	192
78	From correlation to causality: the case of <i>Subdoligranulum</i>. Gut Microbes, 2020, 12, 1849998.	4.3	192
79	Cannabinoid CB2 Receptor Potentiates Obesity-Associated Inflammation, Insulin Resistance and Hepatic Steatosis. PLoS ONE, 2009, 4, e5844.	1.1	189
80	Restoring Specific Lactobacilli Levels Decreases Inflammation and Muscle Atrophy Markers in an Acute Leukemia Mouse Model. PLoS ONE, 2012, 7, e37971.	1.1	186
81	Wheat-derived arabinoxylan oligosaccharides with prebiotic effect increase satietogenic gut peptides and reduce metabolic endotoxemia in diet-induced obese mice. Nutrition and Diabetes, 2012, 2, e28-e28.	1.5	184
82	Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansionÂtoÂincrease satiety. Molecular Metabolism, 2017, 6, 48-60.	3.0	179
83	The Gut Microbiome Influences Host Endocrine Functions. Endocrine Reviews, 2019, 40, 1271-1284.	8.9	179
84	Increasing endogenous 2â€arachidonoylglycerol levels counteracts colitis and related systemic inflammation. FASEB Journal, 2011, 25, 2711-2721.	0.2	177
85	Modulation of the gut microbiota by nutrients with prebiotic properties: consequences for host health in the context of obesity and metabolic syndrome. Microbial Cell Factories, 2011, 10, S10.	1.9	172
86	Microbiota and metabolites in metabolic diseases. Nature Reviews Endocrinology, 2019, 15, 69-70.	4.3	172
87	Involvement of endogenous glucagon-like peptide-1(7â€“36) amide on glycaemia-lowering effect of oligofructose in streptozotocin-treated rats. Journal of Endocrinology, 2005, 185, 457-465.	1.2	164
88	Modulation of Glucagon-like Peptide 1 and Energy Metabolism by Inulin and Oligofructose: Experimental Data. Journal of Nutrition, 2007, 137, 2547S-2551S.	1.3	163
89	Potential modulation of plasma ghrelin and glucagon-like peptide-1 by anorexigenic cannabinoid compounds, SR141716A (rimonabant) and oleoylethanolamide. British Journal of Nutrition, 2004, 92, 757-761.	1.2	154
90	Targeting the gut microbiota with inulin-type fructans: preclinical demonstration of a novel approach in the management of endothelial dysfunction. Gut, 2018, 67, 271-283.	6.1	150

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91	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. ISME Journal, 2016, 10, 1456-1470.	4.4	149
92	Gut microbiota and metabolic disorders: how prebiotic can work?. British Journal of Nutrition, 2013, 109, S81-S85.	1.2	148
93	Coenzyme Q10 supplementation lowers hepatic oxidative stress and inflammation associated with diet-induced obesity in mice. Biochemical Pharmacology, 2009, 78, 1391-1400.	2.0	145
94	Adipose tissue NAPE-PLD controls fat mass development by altering the browning process and gut microbiota. Nature Communications, 2015, 6, 6495.	5.8	144
95	Gut Microbes and Health: A Focus on the Mechanisms Linking Microbes, Obesity, and Related Disorders. Obesity, 2018, 26, 792-800.	1.5	141
96	Discovery of the gut microbial signature driving the efficacy of prebiotic intervention in obese patients. Gut, 2020, 69, 1975-1987.	6.1	141
97	Rhubarb extract prevents hepatic inflammation induced by acute alcohol intake, an effect related to the modulation of the gut microbiota. Molecular Nutrition and Food Research, 2017, 61, 1500899.	1.5	138
98	The gut microbiota metabolite indole alleviates liver inflammation in mice. FASEB Journal, 2018, 32, 6681-6693.	0.2	137
99	A place for dietary fibre in the management of the metabolic syndrome. Current Opinion in Clinical Nutrition and Metabolic Care, 2005, 8, 636-640.	1.3	134
100	The unfolded protein response is activated in skeletal muscle by high-fat feeding: potential role in the downregulation of protein synthesis. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E695-E705.	1.8	134
101	Pasteurized <i>Akkermansia muciniphila</i> increases whole-body energy expenditure and fecal energy excretion in diet-induced obese mice. Gut Microbes, 2020, 11, 1231-1245.	4.3	134
102	Implication of the anti-inflammatory bioactive lipid prostaglandin D2-glycerol ester in the control of macrophage activation and inflammation by ABHD6. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17558-17563.	3.3	127
103	Novel opportunities for next-generation probiotics targeting metabolic syndrome. Current Opinion in Biotechnology, 2015, 32, 21-27.	3.3	127
104	High-fat diet feeding differentially affects the development of inflammation in the central nervous system. Journal of Neuroinflammation, 2016, 13, 206.	3.1	126
105	The gut microbiota manages host metabolism. Nature Reviews Endocrinology, 2014, 10, 74-76.	4.3	125
106	Talking microbes: When gut bacteria interact with diet and host organs. Molecular Nutrition and Food Research, 2016, 60, 58-66.	1.5	125
107	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. Gut, 2017, 66, 620-632.	6.1	125
108	Targeted nanoparticles with novel non-peptidic ligands for oral delivery. Advanced Drug Delivery Reviews, 2013, 65, 833-844.	6.6	124

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109	Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans. American Journal of Clinical Nutrition, 2019, 109, 1683-1695.	2.2	121
110	Physiological effects of dietary fructans extracted from<i>Agave tequilana</i>Gto. and<i>Dasylirion</i>spp.. British Journal of Nutrition, 2008, 99, 254-261.	1.2	119
111	Gut microbiota â€" at the intersection of everything?. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 321-322.	8.2	119
112	Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E334-E352.	1.8	119
113	Role of Central Nervous System Glucagon-Like Peptide-1 Receptors in Enteric Glucose Sensing. Diabetes, 2008, 57, 2603-2612.	0.3	116
114	Dietary Patterns Differently Associate with Inflammation and Gut Microbiota in Overweight and Obese Subjects. PLoS ONE, 2014, 9, e109434.	1.1	111
115	Non Digestible Oligosaccharides Modulate the Gut Microbiota to Control the Development of Leukemia and Associated Cachexia in Mice. PLoS ONE, 2015, 10, e0131009.	1.1	109
116	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. Cell Metabolism, 2017, 25, 522-534.	7.2	108
117	Hypothalamic AgRP-neurons control peripheral substrate utilization and nutrient partitioning. EMBO Journal, 2012, 31, 4276-4288.	3.5	105
118	Bacteria-derived long chain fatty acid exhibits anti-inflammatory properties in colitis. Gut, 2021, 70, 1088-1097.	6.1	105
119	Gut microbiota and obesity: lessons from the microbiome. Briefings in Functional Genomics, 2013, 12, 381-387.	1.3	104
120	Glucose metabolism: Focus on gut microbiota, the endocannabinoid system and beyond. Diabetes and Metabolism, 2014, 40, 246-257.	1.4	104
121	Kupffer cell depletion prevents but has no therapeutic effect on metabolic and inflammatory changes induced by a highâ€fat diet. FASEB Journal, 2011, 25, 4301-4311.	0.2	101
122	Alterations of gut barrier and gut microbiota in food restriction, food deprivation and protein-energy wasting. Clinical Nutrition, 2015, 34, 341-349.	2.3	101
123	Initial Dietary and Microbiological Environments Deviate in Normalâ€weight Compared to Overweight Children at 10 Years of Age. Journal of Pediatric Gastroenterology and Nutrition, 2011, 52, 90-95.	0.9	100
124	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. Nature Communications, 2019, 10, 457.	5.8	100
125	Relation between colonic proglucagon expression and metabolic response to oligofructose in high fat diet-fed mice. Life Sciences, 2006, 79, 1007-1013.	2.0	99
126	Crosstalk between the gut microbiota and the endocannabinoid system: impact on the gut barrier function and the adipose tissue. Clinical Microbiology and Infection, 2012, 18, 50-53.	2.8	98

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127	Probiotics, prebiotics, and the host microbiome: the science of translation. Annals of the New York Academy of Sciences, 2013, 1306, 1-17.	1.8	98
128	Gut Microbiota and the Pathogenesis of Insulin Resistance. Current Diabetes Reports, 2011, 11, 154-159.	1.7	97
129	Helsinki alert of biodiversity and health. Annals of Medicine, 2015, 47, 218-225.	1.5	95
130	<i>Dysosmobacter welbionis</i> is a newly isolated human commensal bacterium preventing diet-induced obesity and metabolic disorders in mice. Gut, 2022, 71, 534-543.	6.1	95
131	<i>N</i> â€Acylethanolamineâ€hydrolyzing acid amidase inhibition increases colon <i>N</i> â€palmitoylethanolamine levels and counteracts murine colitis. FASEB Journal, 2015, 29, 650-661.	0.2	93
132	Novel insights into the genetically obese (ob/ob) and diabetic (db/db) mice: two sides of the same coin. Microbiome, 2021, 9, 147.	4.9	92
133	Critical role of Kupffer cells in the management of diet-induced diabetes and obesity. Biochemical and Biophysical Research Communications, 2009, 385, 351-356.	1.0	91
134	Prebiotic approach alleviates hepatic steatosis: Implication of fatty acid oxidative and cholesterol synthesis pathways. Molecular Nutrition and Food Research, 2013, 57, 347-359.	1.5	90
135	Increased gut permeability in cancer cachexia: mechanisms and clinical relevance. Oncotarget, 2018, 9, 18224-18238.	0.8	90
136	Brain Glucagon-Like Peptide 1 Signaling Controls the Onset of High-Fat Diet-Induced Insulin Resistance and Reduces Energy Expenditure. Endocrinology, 2008, 149, 4768-4777.	1.4	89
137	Gut Microbiota-Induced Changes in Î²-Hydroxybutyrate Metabolism Are Linked to Altered Sociability and Depression in Alcohol Use Disorder. Cell Reports, 2020, 33, 108238.	2.9	87
138	Link between gut microbiota and health outcomes in inulin -treated obese patients: Lessons from the Food4Gut multicenter randomized placebo-controlled trial. Clinical Nutrition, 2020, 39, 3618-3628.	2.3	87
139	Toll-Like Receptor 4 Knockout Mice Are Protected against Endoplasmic Reticulum Stress Induced by a High-Fat Diet. PLoS ONE, 2013, 8, e65061.	1.1	87
140	GLUT2 and the incretin receptors are involved in glucose-induced incretin secretion. Molecular and Cellular Endocrinology, 2007, 276, 18-23.	1.6	86
141	Hostâ€“microbiome interactions in human type 2 diabetes following prebiotic fibre (galacto-oligosaccharide) intake. British Journal of Nutrition, 2016, 116, 1869-1877.	1.2	85
142	Impact of prebiotics on metabolic and behavioral alterations in a mouse model of metabolic syndrome. Brain, Behavior, and Immunity, 2017, 64, 33-49.	2.0	85
143	Gut microbiome, endocrine control of gut barrier function and metabolic diseases. Journal of Endocrinology, 2021, 248, R67-R82.	1.2	85
144	Changes in Intestinal Bifidobacteria Levels Are Associated with the Inflammatory Response in Magnesium-Deficient Mice. Journal of Nutrition, 2010, 140, 509-514.	1.3	83

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145	Roux-en-Y gastric bypass surgery in rats alters gut microbiota profile along the intestine. Physiology and Behavior, 2013, 119, 92-96.	1.0	83
146	Hepatic n-3 Polyunsaturated Fatty Acid Depletion Promotes Steatosis and Insulin Resistance in Mice: Genomic Analysis of Cellular Targets. PLoS ONE, 2011, 6, e23365.	1.1	83
147	Novel insight into the role of microbiota in colorectal surgery. Gut, 2017, 66, 738-749.	6.1	82
148	Germ-free mice exhibit profound gut microbiota-dependent alterations of intestinal endocannabinoidome signaling. Journal of Lipid Research, 2020, 61, 70-85.	2.0	80
149	Dietary supplementation with chitosan derived from mushrooms changes adipocytokine profile in diet-induced obese mice, a phenomenon linked to its lipid-lowering action. International Immunopharmacology, 2009, 9, 767-773.	1.7	78
150	<i>Akkermansia muciniphila</i> reduces <i>Porphyromonas gingivalis</i>â€induced inflammation and periodontal bone destruction. Journal of Clinical Periodontology, 2020, 47, 202-212.	2.3	78
151	The DPP-4 inhibitor vildagliptin impacts the gut microbiota and prevents disruption of intestinal homeostasis induced by a Western diet in mice. Diabetologia, 2018, 61, 1838-1848.	2.9	76
152	Phytosterol analysis and characterization in spelt (Triticum aestivum ssp. spelta L.) and wheat (T.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	75
153	Peroxisome Proliferator-Activated Receptor-Î±-Null Mice Have Increased White Adipose Tissue Glucose Utilization, GLUT4, and Fat Mass: Role in Liver and Brain. Endocrinology, 2006, 147, 4067-4078.	1.4	73
154	Apelin targets gut contraction to control glucose metabolism via the brain. Gut, 2017, 66, 258-269.	6.1	73
155	Klebsiella oxytoca expands in cancer cachexia and acts as a gut pathobiont contributing to intestinal dysfunction. Scientific Reports, 2018, 8, 12321.	1.6	71
156	<i>Akkermansia muciniphila</i> abundance is lower in severe obesity, but its increased level after bariatric surgery is not associated with metabolic health improvement. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E446-E459.	1.8	67
157	Role of the Lower and Upper Intestine in the Production and Absorption of Gut Microbiota-Derived PUFA Metabolites. PLoS ONE, 2014, 9, e87560.	1.1	67
158	Central Apelin Controls Glucose Homeostasis<i>via</i>a Nitric Oxide-Dependent Pathway in Mice. Antioxidants and Redox Signaling, 2011, 15, 1477-1496.	2.5	66
159	The Transplantation of Ï‰3 PUFAâ€“Altered Gut Microbiota of fat-1 Mice to Wild-Type Littermates Prevents Obesity and Associated Metabolic Disorders. Diabetes, 2018, 67, 1512-1523.	0.3	65
160	A polyphenolic extract from green tea leaves activates fat browning in high-fat-diet-induced obese mice. Journal of Nutritional Biochemistry, 2017, 49, 15-21.	1.9	64
161	Gut Microbial Metabolites of Polyunsaturated Fatty Acids Correlate with Specific Fecal Bacteria and Serum Markers of Metabolic Syndrome in Obese Women. Lipids, 2014, 49, 397-402.	0.7	63
162	Human, donkey and cow milk differently affects energy efficiency and inflammatory state by modulating mitochondrial function and gut microbiota. Journal of Nutritional Biochemistry, 2015, 26, 1136-1146.	1.9	63

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163	Pancreatic Î±-cell dysfunction in diabetes. Diabetes and Metabolism, 2008, 34, S49-S55.	1.4	61
164	Tetrahydro iso-Alpha Acids from Hops Improve Glucose Homeostasis and Reduce Body Weight Gain and Metabolic Endotoxemia in High-Fat Diet-Fed Mice. PLoS ONE, 2012, 7, e33858.	1.1	61
165	Hypoxia Modulates the Differentiation Potential of Stem Cells of the Apical Papilla. Journal of Endodontics, 2014, 40, 1410-1418.	1.4	59
166	Gut cell metabolism shapes the microbiome. Science, 2017, 357, 548-549.	6.0	59
167	The Loss of Metabolic Control on Alcohol Drinking in Heavy Drinking Alcohol-Dependent Subjects. PLoS ONE, 2012, 7, e38682.	1.1	58
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