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	Dysosmobacter welbionis is a newly isolated human commensal bacterium preventing diet-induced obesity and metabolic disorders in mice. Gut, 2022, 71, 534-543.	6.1	95
2	Reactive Oxygen Species/Reactive Nitrogen Species as Messengers in the Gut: Impact on Physiology and Metabolic Disorders. Antioxidants and Redox Signaling, 2022, 37, 394-415.	2.5	18
3	Exploring the endocannabinoidome in genetically obese (ob/ob) and diabetic (db/db) mice: Links with inflammation and gut microbiota. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2022, 1867, 159056.	1.2	12
4	Diet and depression: future needs to unlock the potential. Molecular Psychiatry, 2022, 27, 778-780.	4.1	8
5	Commentary on: prebiotic effects: metabolic and health benefits. British Journal of Nutrition, 2022, 127, 554-555.	1.2	7
6	Tumor Metabolism Is Affected by Obesity in Preclinical Models of Triple-Negative Breast Cancer. Cancers, 2022, 14, 562.	1.7	7
7	Gut microbiome and health: mechanistic insights. Gut, 2022, 71, 1020-1032.	6.1	661
8	Nutrition et microbiote dans le diabÃ¨te de type 2. De la symbiose Ã la dysfonction mÃ©tabolique. Medecine Des Maladies Metaboliques, 2022, 16, 114-114.	0.1	3
9	Three of a Kind: Control of the Expression of Liver-Expressed Antimicrobial Peptide 2 (LEAP2) by the Endocannabinoidome and the Gut Microbiome. Molecules, 2022, 27, 1.	1.7	38
10	Possible Interactions between Malaria, Helminthiases and the Gut Microbiota: A Short Review. Microorganisms, 2022, 10, 721.	1.6	4
11	Camu-Camu Reduces Obesity and Improves Diabetic Profiles of Obese and Diabetic Mice: A Dose-Ranging Study. Metabolites, 2022, 12, 301.	1.3	7
12	Physical activity enhances the improvement of body mass index and metabolism by inulin: a multicenter randomized placebo-controlled trial performed in obese individuals. BMC Medicine, 2022, 20, 110.	2.3	21
13	Microbiota and Metabolite Profiling as Markers of Mood Disorders: A Cross-Sectional Study in Obese Patients. Nutrients, 2022, 14, 147.	1.7	6
14	Breath volatile metabolome reveals the impact of dietary fibres on the gut microbiota: Proof of concept in healthy volunteers. EBioMedicine, 2022, 80, 104051.	2.7	7
15	Akkermansia muciniphila: paradigm for next-generation beneficial microorganisms. Nature Reviews Gastroenterology and Hepatology, 2022, 19, 625-637.	8.2	239
16	Glucose Stimulates Gut Motility in Fasted and Fed Conditions: Potential Involvement of a Nitric Oxide Pathway. Nutrients, 2022, 14, 2176.	1.7	3
17	HYGIEIA: HYpothesizing the Genesis of Infectious Diseases and Epidemics through an Integrated Systems Biology Approach. Viruses, 2022, 14, 1373.	1.5	2
18	Diet and depression: exploring the biological mechanisms of action. Molecular Psychiatry, 2021, 26, 134-150.	4.1	265

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19	Toxicological safety evaluation of pasteurized Akkermansia muciniphila. Journal of Applied Toxicology, 2021, 41, 276-290.	1.4	30
20	Identification of new enterosynes using prebiotics: roles of bioactive lipids and mu-opioid receptor signalling in humans and mice. Gut, 2021, 70, 1078-1087.	6.1	28
21	Bacteria-derived long chain fatty acid exhibits anti-inflammatory properties in colitis. Gut, 2021, 70, 1088-1097.	6.1	105
22	Noninvasive monitoring of fibre fermentation in healthy volunteers by analyzing breath volatile metabolites: lessons from the FiberTAG intervention study. Gut Microbes, 2021, 13, 1-16.	4.3	8
23	Improvement of gastrointestinal discomfort and inflammatory status by a synbiotic in middle-aged adults: a double-blind randomized placebo-controlled trial. Scientific Reports, 2021, 11, 2627.	1.6	18
24	Gut microbes participate in food preference alterations during obesity. Gut Microbes, 2021, 13, 1959242.	4.3	35
25	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 PPARÎ± Agonists. Cells, 2021, 10, 185.	1.8	43
26	Linking the Endocannabinoidome with Specific Metabolic Parameters in an Overweight and Insulin-Resistant Population: From Multivariate Exploratory Analysis to Univariate Analysis and Construction of Predictive Models. Cells, 2021, 10, 71.	1.8	6
27	Multiâ€compartment metabolomics and metagenomics reveal major hepatic and intestinal disturbances in cancer cachectic mice. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 456-475.	2.9	30
28	The Liver under the Spotlight: Bile Acids and Oxysterols as Pivotal Actors Controlling Metabolism. Cells, 2021, 10, 400.	1.8	19
29	Do diet and microbes really â€˜PREDICTâ€™ cardiometabolic risks?. Nature Reviews Endocrinology, 2021, 17, 259-260.	4.3	7
30	Prebiotic dietary fibre intervention improves fecal markers related to inflammation in obese patients: results from the Food4Gut randomized placebo-controlled trial. European Journal of Nutrition, 2021, 60, 3159-3170.	1.8	46
31	Gut microbiome, endocrine control of gut barrier function and metabolic diseases. Journal of Endocrinology, 2021, 248, R67-R82.	1.2	85
32	Hepatoprotective Effects of Indole, a Gut Microbial Metabolite, in Leptin-Deficient Obese Mice. Journal of Nutrition, 2021, 151, 1507-1516.	1.3	27
33	Circulating fatty acids and endocannabinoidome-related mediator profiles associated to human longevity. GeroScience, 2021, 43, 1783-1798.	2.1	9
34	Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice. Nutrients, 2021, 13, 1436.	1.7	22
35	Specific gut microbial, biological, and psychiatric profiling related to binge eating disorders: A cross-sectional study in obese patients. Clinical Nutrition, 2021, 40, 2035-2044.	2.3	30
36	Tumor apelin and obesity are associated with reduced neoadjuvant chemotherapy response in a cohort of breast cancer patients. Scientific Reports, 2021, 11, 9922.	1.6	10

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37	Prebiotic effect on mood in obese patients is determined by the initial gut microbiota composition: A randomized, controlled trial. Brain, Behavior, and Immunity, 2021, 94, 289-298.	2.0	35
38	Dietary fiber deficiency as a component of malnutrition associated with psychological alterations in alcohol use disorder. Clinical Nutrition, 2021, 40, 2673-2682.	2.3	11
39	Gut Microbiota and Host Metabolism: From Proof of Concept to Therapeutic Intervention. Microorganisms, 2021, 9, 1302.	1.6	46
40	A newly identified protein from Akkermansia muciniphila stimulates GLP-1 secretion. Cell Metabolism, 2021, 33, 1073-1075.	7.2	39
41	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
42	Gut microbiome, endocrine control of gut barrier function and metabolic diseases. Journal of Endocrinology, 2021, 250, X1.	1.2	0
43	Authors' Response: â€œ<scp>Akkermansia muciniphila</scp> reduces <scp>Porphyromonas gingivalis</scp> induced inflammation and periodontal bone destructionâ€• Journal of Clinical Periodontology, 2021, 48, 1493-1494.	2.3	1
44	A dynamic association between myosteatosis and liver stiffness: Results from a prospective interventional study in obese patients. JHEP Reports, 2021, 3, 100323.	2.6	24
45	Gut barrier and microbiota changes with glycine and branchedâ€chain amino acid supplementation in chronic haemodialysis patients. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1527-1539.	2.9	10
46	Glycine increases fatâ€free mass in malnourished haemodialysis patients: a randomized doubleâ€blind crossover trial. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 1540-1552.	2.9	6
47	Interactions between the microbiota and enteric nervous system during gut-brain disorders. Neuropharmacology, 2021, 197, 108721.	2.0	27
48	Microbiota analysis and transient elastography reveal new extra-hepatic components of liver steatosis and fibrosis in obese patients. Scientific Reports, 2021, 11, 659.	1.6	29
49	Inflammationâ€induced cholestasis in cancer cachexia. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 70-90.	2.9	24
50	Serum metabolite profiling yields insights into health promoting effect of A. muciniphila in human volunteers with a metabolic syndrome. Gut Microbes, 2021, 13, 1994270.	4.3	24
51	Akkermansia muciniphila Exerts Lipidâ€Lowering and Immunomodulatory Effects without Affecting Neointima Formation in Hyperlipidemic APOE*3â€Leiden.CETP Mice. Molecular Nutrition and Food Research, 2020, 64, e1900732.	1.5	39
52	Targeting the Enteric Nervous System to Treat Metabolic Disorders? â€œEnterosynesâ€•as Therapeutic Gut Factors. Neuroendocrinology, 2020, 110, 139-146.	1.2	30
53	Germ-free mice exhibit profound gut microbiota-dependent alterations of intestinal endocannabinoidome signaling. Journal of Lipid Research, 2020, 61, 70-85.	2.0	80
54	Akkermansia muciniphila reduces Porphyromonas gingivalisâ€induced inflammation and periodontal bone destruction. Journal of Clinical Periodontology, 2020, 47, 202-212.	2.3	78

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55	Acute environmental hypoxia potentiates satellite cellâ€dependent myogenesis in response to resistance exercise through the inflammation pathway in human. FASEB Journal, 2020, 34, 1885-1900.	0.2	18
56	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
57	Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased Akkermansia muciniphila in Mice. Nutrients, 2020, 12, 2932.	1.7	45
58	Obesity and tripleâ€negativeâ€breastâ€cancer: Is apelin a new key target?. Journal of Cellular and Molecular Medicine, 2020, 24, 10233-10244.	1.6	16
59	Intestinal NAPE-PLD contributes to short-term regulation of food intake via gut-to-brain axis. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E647-E657.	1.8	14
60	Acetate: Friend or foe against breast tumour growth in the context of obesity?. Journal of Cellular and Molecular Medicine, 2020, 24, 14195-14204.	1.6	4
61	Comparison of the effects of soluble corn fiber and fructooligosaccharides on metabolism, inflammation, and gut microbiome of high-fat diet-fed mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E779-E791.	1.8	19
62	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. Gut Microbes, 2020, 12, 1810530.	4.3	31
63	Mucus barrier, mucins and gut microbiota: the expected slimy partners?. Gut, 2020, 69, 2232-2243.	6.1	698
64	Novel strategy for oral peptide delivery in incretin-based diabetes treatment. Gut, 2020, 69, 911-919.	6.1	41
65	Hepatic NAPE-PLD Is a Key Regulator of Liver Lipid Metabolism. Cells, 2020, 9, 1247.	1.8	17
66	Gut microbiota and regulation of myokine-adipokine function. Current Opinion in Pharmacology, 2020, 52, 9-17.	1.7	29
67	The colonoscopic leakage model: a new model to study the intestinal wound healing at molecular level. Gut, 2020, 69, 2071-2073.	6.1	1
68	Targeted nanoparticles towards increased L cell stimulation as a strategy to improve oral peptide delivery in incretin-based diabetes treatment. Biomaterials, 2020, 255, 120209.	5.7	30
69	Microbial signatures in metabolic tissues: a novel paradigm for obesity and diabetes?. Nature Metabolism, 2020, 2, 211-212.	5.1	11
70	Mediterranean diet, gut microbiota and health: when age and calories do not add up!. Gut, 2020, 69, 1167-1168.	6.1	35
71	Pasteurized Akkermansia muciniphila increases whole-body energy expenditure and fecal energy excretion in diet-induced obese mice. Gut Microbes, 2020, 11, 1231-1245.	4.3	134
72	La prÃ©paration colique en chirurgie colorectale. Praticien En Anesthesie Reanimation, 2020, 24, 35-40.	0.0	0

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73	Pasteurized Akkermansia muciniphila protects from fat mass gain but not from bone loss. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E480-E491.	1.8	27
74	Discovery of the gut microbial signature driving the efficacy of prebiotic intervention in obese patients. Gut, 2020, 69, 1975-1987.	6.1	141
75	Gut microbiota and obesity: causally linked?. Expert Review of Gastroenterology and Hepatology, 2020, 14, 401-403.	1.4	19
76	Metabolic Imaging Using Hyperpolarized Pyruvateâ€“Lactate Exchange Assesses Response or Resistance to the EGFR Inhibitor Cetuximab in Patient-Derived HNSCC Xenografts. Clinical Cancer Research, 2020, 26, 1932-1943.	3.2	8
77	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
78	Do Probiotics During In-Hospital Antibiotic Treatment Prevent Colonization of Gut Microbiota With Multi-Drug-Resistant Bacteria? A Randomized Placebo-Controlled Trial Comparing Saccharomyces to a Mixture of Lactobacillus, Bifidobacterium, and Saccharomyces. Frontiers in Public Health, 2020, 8, 578089.	1.3	31
79	From correlation to causality: the case of Subdoligranulum. Gut Microbes, 2020, 12, 1849998.	4.3	192
80	Dysosmobacter welbionis gen. nov., sp. nov., isolated from human faeces and emended description of the genus Oscillibacter. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 4851-4858.	0.8	29
81	Severe obesity and gut microbiota: does bariatric surgery really reset the system?. Gut, 2019, 68, 5-6.	6.1	34
82	Oral vancomycin treatment does not alter markers of postprandial inflammation in lean and obese subjects. Physiological Reports, 2019, 7, e14199.	0.7	10
83	The Gut Microbiome Influences Host Endocrine Functions. Endocrine Reviews, 2019, 40, 1271-1284.	8.9	179
84	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
85	Akkermansia muciniphila 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
86	The Janus Face of Cereals: Wheatâ€Derived Prebiotics Counteract the Detrimental Effect of Gluten on Metabolic Homeostasis in Mice Fed a Highâ€Fat/Highâ€Sucrose Diet. Molecular Nutrition and Food Research, 2019, 63, e1900632.	1.5	15
87	Reply to â€˜Simpsonâ€™s paradox in proof-of-concept studiesâ€™. Nature Medicine, 2019, 25, 1640-1641.	15.2	2
88	Functional Effects of EPS-Producing Bifidobacterium Administration on Energy Metabolic Alterations of Diet-Induced Obese Mice. Frontiers in Microbiology, 2019, 10, 1809.	1.5	35
89	Chitinâ€“glucan and pomegranate polyphenols improve endothelial dysfunction. Scientific Reports, 2019, 9, 14150.	1.6	25
90	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. Nature Communications, 2019, 10, 457.	5.8	100

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91	Targeting Carbohydrates and Polyphenols for a Healthy Microbiome and Healthy Weight. Current Nutrition Reports, 2019, 8, 307-316.	2.1	50
92	Hepatic MyD88 regulates liver inflammation by altering synthesis of oxysterols. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E99-E108.	1.8	15
93	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
94	Is colonic propionate delivery a novel solution to improve metabolism and inflammation in overweight or obese subjects?. Gut, 2019, 68, 1352-1353.	6.1	13
95	Genetic deletion of soluble 5â€²-nucleotidase II reduces body weight gain and insulin resistance induced by a high-fat diet. Molecular Genetics and Metabolism, 2019, 126, 377-387.	0.5	24
96	Targeting gut microbiota with a complex mix of dietary fibers improves metabolicÂdiseases. Kidney International, 2019, 95, 14-16.	2.6	21
97	Microbiota and metabolites in metabolic diseases. Nature Reviews Endocrinology, 2019, 15, 69-70.	4.3	172
98	Microbial regulation of organismal energy homeostasis. Nature Metabolism, 2019, 1, 34-46.	5.1	354
99	How Probiotics Affect the Microbiota. Frontiers in Cellular and Infection Microbiology, 2019, 9, 454.	1.8	258
100	Butyricimonas faecalis sp. nov., isolated from human faeces and emended description of the genus Butyricimonas. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 833-838.	0.8	17
101	2017-P: Gut Microbes after Bariatric Surgery in Humans Improve Glucose Control in Mice without Fat Loss. Diabetes, 2019, 68, .	0.3	0
102	Gut Microbes and Health: A Focus on the Mechanisms Linking Microbes, Obesity, and Related Disorders. Obesity, 2018, 26, 792-800.	1.5	141
103	Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice. Nutrition and Diabetes, 2018, 8, 15.	1.5	28
104	Galanin enhances systemic glucose metabolism through enteric Nitric Oxide Synthase-expressed neurons. Molecular Metabolism, 2018, 10, 100-108.	3.0	46
105	Size Effect on Lipid Nanocapsule-Mediated GLP-1 Secretion from Enteroendocrine L Cells. Molecular Pharmaceutics, 2018, 15, 108-115.	2.3	23
106	Akkermansia muciniphila induces gut microbiota remodelling and controls islet autoimmunity in NOD mice. Gut, 2018, 67, 1445-1453.	6.1	270
107	Particle size determines the anti-inflammatory effect of wheat bran in a model of fructose over-consumption: Implication of the gut microbiota. Journal of Functional Foods, 2018, 41, 155-162.	1.6	24
108	Sustained biochemical response to oral antibiotics in pediatric PSC and ASC are correlated to changes in gut microbiota during therapy. Journal of Hepatology, 2018, 68, S226-S227.	1.8	0

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109	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
110	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
111	Elevated high density lipoprotein cholesterol and low grade systemic inflammation is associated with increased gut permeability in normoglycemic men. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 1296-1303.	1.1	10
112	Inflammation and Gut-Brain Axis During Type 2 Diabetes: Focus on the Crosstalk Between Intestinal Immune Cells and Enteric Nervous System. Frontiers in Neuroscience, 2018, 12, 725.	1.4	39
113	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. Cell, 2018, 175, 679-694.e22.	13.5	344
114	Microbiota, Liver Diseases, and Alcohol. , 2018, , 187-212.		2
115	Lung Microbiota and Its Impact on the Mucosal Immune Phenotype. , 2018, , 161-186.		0
116	Fecal Microbiota Transplantation: Therapeutic Potential for a Multitude of Diseases beyond Clostridium difficile. , 2018, , 291-308.		2
117	Enterococci and Their Interactions with the Intestinal Microbiome. , 2018, , 309-330.		7
118	Biochemical Features of Beneficial Microbes: Foundations for Therapeutic Microbiology. , 2018, , 1-47.		0
119	Ecological Therapeutic Opportunities for Oral Diseases. , 2018, , 235-265.		0
120	Use of Traditional and Genetically Modified Probiotics in Human Health: What Does the Future Hold?. , 2018, , 363-370.		0
121	The Genomic Basis of Lactobacilli as Health-Promoting Organisms. , 2018, , 49-71.		0
122	Microbial Interactions and Interventions in Colorectal Cancer. , 2018, , 99-130.		1
123	Bifidobacteria and Their Health-Promoting Effects. , 2018, , 73-98.		13
124	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. , 2018, , 131-148.		0
125	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
126	Gut microbiota-mediated inflammation in obesity: a link with gastrointestinal cancer. Nature Reviews Gastroenterology and Hepatology, 2018, 15, 671-682.	8.2	257

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127	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
128	Fecal Enterobacteriales enrichment is associated with increased inÂvivo intestinal permeability in humans. Physiological Reports, 2018, 6, e13649.	0.7	37
129	Human gut microbiome: hopes, threats and promises. Gut, 2018, 67, 1716-1725.	6.1	957
130	The gut microbiota metabolite indole alleviates liver inflammation in mice. FASEB Journal, 2018, 32, 6681-6693.	0.2	137
131	Prebiotics Supplementation Impact on the Reinforcing and Motivational Aspect of Feeding. Frontiers in Endocrinology, 2018, 9, 273.	1.5	22
132	Impact of Intestinal Peptides on the Enteric Nervous System: Novel Approaches to Control Glucose Metabolism and Food Intake. Frontiers in Endocrinology, 2018, 9, 328.	1.5	35
133	Inulin Improves Postprandial Hypertriglyceridemia by Modulating Gene Expression in the Small Intestine. Nutrients, 2018, 10, 532.	1.7	24
134	Klebsiella oxytoca expands in cancer cachexia and acts as a gut pathobiont contributing to intestinal dysfunction. Scientific Reports, 2018, 8, 12321.	1.6	71
135	Increased gut permeability in cancer cachexia: mechanisms and clinical relevance. Oncotarget, 2018, 9, 18224-18238.	0.8	90
136	Implication of trans-11,trans-13 conjugated linoleic acid in the development of hepatic steatosis. PLoS ONE, 2018, 13, e0192447.	1.1	8
137	Pleiotropic Effects of Totum-63â€”Simultaneous Targeting of Multiple Diabetes Mediators. Diabetes, 2018, 67, .	0.3	1
138	Apelin targets gut contraction to control glucose metabolism via the brain. Gut, 2017, 66, 258-269.	6.1	73
139	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
140	Can probiotics modulate human disease by impacting intestinal barrier function?. British Journal of Nutrition, 2017, 117, 93-107.	1.2	343
141	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. Cell Metabolism, 2017, 25, 522-534.	7.2	108
142	Homeostasis of the gut barrier and potential biomarkers. American Journal of Physiology - Renal Physiology, 2017, 312, G171-G193.	1.6	408
143	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. Gut, 2017, 66, 620-632.	6.1	125
144	Novel insight into the role of microbiota in colorectal surgery. Gut, 2017, 66, 738-749.	6.1	82

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145	Gut microbiota â€" at the intersection of everything?. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 321-322.	8.2	119
146	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
147	Transfer of dysbiotic gut microbiota has beneficial effects on host liver metabolism. Molecular Systems Biology, 2017, 13, 921.	3.2	43
148	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
149	Enteroendocrine Cells: Metabolic Relays between Microbes and Their Host. Endocrine Development, 2017, 32, 139-164.	1.3	30
150	Adipose Tissue Metabolism and Cancer Progression: Novel Insights from Gut Microbiota?. Current Pathobiology Reports, 2017, 5, 315-322.	1.6	18
151	Combined endogenous MR biomarkers to predict basal tumor oxygenation and response to hyperoxic challenge. NMR in Biomedicine, 2017, 30, e3836.	1.6	13
152	Hostâ€"microbiota interaction induces bi-phasic inflammation and glucose intolerance in mice. Molecular Metabolism, 2017, 6, 1371-1380.	3.0	30
153	Ffar2 expression regulates leukaemic cell growth in vivo. British Journal of Cancer, 2017, 117, 1336-1340.	2.9	12
154	Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity. Scientific Reports, 2017, 7, 5621.	1.6	51
155	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
156	Gut cell metabolism shapes the microbiome. Science, 2017, 357, 548-549.	6.0	59
157	Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansionÂtoÂincrease satiety. Molecular Metabolism, 2017, 6, 48-60.	3.0	179
158	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
159	Spirulina Protects against Hepatic Inflammation in Aging: An Effect Related to the Modulation of the Gut Microbiota?. Nutrients, 2017, 9, 633.	1.7	49
160	Next-Generation Beneficial Microbes: The Case of Akkermansia muciniphila. Frontiers in Microbiology, 2017, 8, 1765.	1.5	713
161	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. Microbiology Spectrum, 2017, 5, .	1.2	28
162	Intestinal Ralstonia pickettii augments glucose intolerance in obesity. PLoS ONE, 2017, 12, e0181693.	1.1	53

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163	Intestinal Sucrase as a Novel Target Contributing to the Regulation of Glycemia by Prebiotics. PLoS ONE, 2016, 11, e0160488.	1.1	27
164	Nutritional depletion in nâ€3 PUFA in apoE knockâ€out mice: A new model of endothelial dysfunction associated with fatty liver disease. Molecular Nutrition and Food Research, 2016, 60, 2198-2207.	1.5	4
165	Monitoring Combretastatin A4â€“induced tumor hypoxia and hemodynamic changes using endogenous MR contrast and DCEâ€MRI. Magnetic Resonance in Medicine, 2016, 75, 866-872.	1.9	16
166	Obesity is associated with changes in oxysterol metabolism and levels in mice liver, hypothalamus, adipose tissue and plasma. Scientific Reports, 2016, 6, 19694.	1.6	54
167	Microbiote intestinal et obÃ©sitÃ© : impact des lipides bioactifs issus du systÃ¨me endocannabinoÃ¯de. OCL - Oilseeds and Fats, Crops and Lipids, 2016, 23, D305.	0.6	0
168	Galacto-Oligosaccharide has no Effect on Glucose Tolerance, inflammatory Markers or Intestinal Permeability in well-controlled Type 2 Diabetes. Proceedings of the Nutrition Society, 2016, 75, .	0.4	1
169	High-fat diet feeding differentially affects the development of inflammation in the central nervous system. Journal of Neuroinflammation, 2016, 13, 206.	3.1	126
170	Gut microbiome and liver diseases. Gut, 2016, 65, 2035-2044.	6.1	443
171	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
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