

# Patrice D. Cani

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

337 papers	46,293 citations	96 h-index	213 g-index
362 ext. papers	56,238 ext. citations	8.8 avg, IF	7.98 L-index

#	Paper	IF	Citations
337	Metabolic endotoxemia initiates obesity and insulin resistance. <i>Diabetes</i> , <b>2007</b> , 56, 1761-72	0.9	3888
336	Changes in gut microbiota control metabolic endotoxemia-induced inflammation in high-fat diet-induced obesity and diabetes in mice. <i>Diabetes</i> , <b>2008</b> , 57, 1470-81	0.9	3072
335	Cross-talk between Akkermansia muciniphila and intestinal epithelium controls diet-induced obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 9066-71	11.5	2451
334	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2017</b> , 14, 491-502	24.2	1963
333	Changes in gut microbiota control inflammation in obese mice through a mechanism involving GLP-2-driven improvement of gut permeability. <i>Gut</i> , <b>2009</b> , 58, 1091-103	19.2	1643
332	Prebiotic effects: metabolic and health benefits. <i>British Journal of Nutrition</i> , <b>2010</b> , 104 Suppl 2, S1-63	3.6	1440
331	Selective increases of bifidobacteria in gut microflora improve high-fat-diet-induced diabetes in mice through a mechanism associated with endotoxaemia. <i>Diabetologia</i> , <b>2007</b> , 50, 2374-83	10.3	1248
330	Akkermansia muciniphila and improved metabolic health during a dietary intervention in obesity: relationship with gut microbiome richness and ecology. <i>Gut</i> , <b>2016</b> , 65, 426-36	19.2	938
329	A purified membrane protein from Akkermansia muciniphila or the pasteurized bacterium improves metabolism in obese and diabetic mice. <i>Nature Medicine</i> , <b>2017</b> , 23, 107-113	50.5	896
328	Responses of gut microbiota and glucose and lipid metabolism to prebiotics in genetic obese and diet-induced leptin-resistant mice. <i>Diabetes</i> , <b>2011</b> , 60, 2775-86	0.9	701
327	Supplementation with Akkermansia muciniphila in overweight and obese human volunteers: a proof-of-concept exploratory study. <i>Nature Medicine</i> , <b>2019</b> , 25, 1096-1103	50.5	650
326	The role of the gut microbiota in energy metabolism and metabolic disease. <i>Current Pharmaceutical Design</i> , <b>2009</b> , 15, 1546-58	3.3	636
325	Human gut microbiome: hopes, threats and promises. <i>Gut</i> , <b>2018</b> , 67, 1716-1725	19.2	599
324	Crosstalk between Gut Microbiota and Dietary Lipids Aggravates WAT Inflammation through TLR Signaling. <i>Cell Metabolism</i> , <b>2015</b> , 22, 658-68	24.6	562
323	Targeting gut microbiota in obesity: effects of prebiotics and probiotics. <i>Nature Reviews Endocrinology</i> , <b>2011</b> , 7, 639-46	15.2	540
322	Involvement of gut microbiota in the development of low-grade inflammation and type 2 diabetes associated with obesity. <i>Gut Microbes</i> , <b>2012</b> , 3, 279-88	8.8	527
321	Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. <i>Gut</i> , <b>2013</b> , 62, 1112-21	19.2	517

320	Gut microbiota fermentation of prebiotics increases satietogenic and incretin gut peptide production with consequences for appetite sensation and glucose response after a meal. <i>American Journal of Clinical Nutrition</i> , <b>2009</b> , 90, 1236-43	7	502
319	Towards a more comprehensive concept for prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2015</b> , 12, 303-10	24.2	490
318	Akkermansia muciniphila inversely correlates with the onset of inflammation, altered adipose tissue metabolism and metabolic disorders during obesity in mice. <i>Scientific Reports</i> , <b>2015</b> , 5, 16643	4.9	464
317	Next-Generation Beneficial Microbes: The Case of. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 1765	5.7	459
316	Intestinal permeability, gut-bacterial dysbiosis, and behavioral markers of alcohol-dependence severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4485-93	11.5	455
315	The endocannabinoid system links gut microbiota to adipogenesis. <i>Molecular Systems Biology</i> , <b>2010</b> , 6, 392	12.2	427
314	Energy intake is associated with endotoxemia in apparently healthy men. <i>American Journal of Clinical Nutrition</i> , <b>2008</b> , 87, 1219-23	7	420
313	Human Intestinal Barrier Function in Health and Disease. <i>Clinical and Translational Gastroenterology</i> , <b>2016</b> , 7, e196	4.2	396
312	Gut microbiota modulation with norfloxacin and ampicillin enhances glucose tolerance in mice. <i>FASEB Journal</i> , <b>2008</b> , 22, 2416-26	0.9	386
311	Microbiome of prebiotic-treated mice reveals novel targets involved in host response during obesity. <i>ISME Journal</i> , <b>2014</b> , 8, 2116-30	11.9	376
310	Diabetes, obesity and gut microbiota. <i>Baillieres Best Practice and Research in Clinical Gastroenterology</i> , <b>2013</b> , 27, 73-83	2.5	360
309	Apelin stimulates glucose utilization in normal and obese insulin-resistant mice. <i>Cell Metabolism</i> , <b>2008</b> , 8, 437-45	24.6	350
308	Targeted deletion of AIF decreases mitochondrial oxidative phosphorylation and protects from obesity and diabetes. <i>Cell</i> , <b>2007</b> , 131, 476-91	56.2	332
307	Inulin-type fructans modulate gastrointestinal peptides involved in appetite regulation (glucagon-like peptide-1 and ghrelin) in rats. <i>British Journal of Nutrition</i> , <b>2004</b> , 92, 521-6	3.6	324
306	Prebiotic effects of wheat arabinoxylan related to the increase in bifidobacteria, Roseburia and Bacteroides/Prevotella in diet-induced obese mice. <i>PLoS ONE</i> , <b>2011</b> , 6, e20944	3.7	317
305	Improvement of glucose tolerance and hepatic insulin sensitivity by oligofructose requires a functional glucagon-like peptide 1 receptor. <i>Diabetes</i> , <b>2006</b> , 55, 1484-90	0.9	314
304	Interaction between obesity and the gut microbiota: relevance in nutrition. <i>Annual Review of Nutrition</i> , <b>2011</b> , 31, 15-31	9.9	308
303	Oligofructose promotes satiety in healthy human: a pilot study. <i>European Journal of Clinical Nutrition</i> , <b>2006</b> , 60, 567-72	5.2	287

302	Drosophila genome-wide obesity screen reveals hedgehog as a determinant of brown versus white adipose cell fate. <i>Cell</i> , <b>2010</b> , 140, 148-60	56.2	283
301	Oligofructose promotes satiety in rats fed a high-fat diet: involvement of glucagon-like Peptide-1. <i>Obesity</i> , <b>2005</b> , 13, 1000-7		275
300	Interplay between obesity and associated metabolic disorders: new insights into the gut microbiota. <i>Current Opinion in Pharmacology</i> , <b>2009</b> , 9, 737-43	5.1	269
299	Gut microbiome and liver diseases. <i>Gut</i> , <b>2016</b> , 65, 2035-2044	19.2	252
298	Prebiotics: why definitions matter. <i>Current Opinion in Biotechnology</i> , <b>2016</b> , 37, 1-7	11.4	245
297	The gut microbiome as therapeutic target. <i>Pharmacology &amp; Therapeutics</i> , <b>2011</b> , 130, 202-12	13.9	241
296	Homeostasis of the gut barrier and potential biomarkers. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 312, G171-G193	5.1	240
295	Gut microbiota, enteroendocrine functions and metabolism. <i>Current Opinion in Pharmacology</i> , <b>2013</b> , 13, 935-40	5.1	238
294	Microbial modulation of energy availability in the colon regulates intestinal transit. <i>Cell Host and Microbe</i> , <b>2013</b> , 14, 582-90	23.4	232
293	Brain glucagon-like peptide-1 increases insulin secretion and muscle insulin resistance to favor hepatic glycogen storage. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 3554-63	15.9	230
292	Altered gut microbiota and endocannabinoid system tone in obese and diabetic leptin-resistant mice: impact on apelin regulation in adipose tissue. <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 149	5.7	220
291	Can probiotics modulate human disease by impacting intestinal barrier function?. <i>British Journal of Nutrition</i> , <b>2017</b> , 117, 93-107	3.6	218
290	Gut microflora as a target for energy and metabolic homeostasis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2007</b> , 10, 729-34	3.8	216
289	Impact of inulin and oligofructose on gastrointestinal peptides. <i>British Journal of Nutrition</i> , <b>2005</b> , 93 Suppl 1, S157-61	3.6	216
288	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. <i>Cell</i> , <b>2018</b> , 175, 679-694.e22	56.2	205
287	Inulin-type fructans with prebiotic properties counteract GPR43 overexpression and PPAR $\gamma$ -related adipogenesis in the white adipose tissue of high-fat diet-fed mice. <i>Journal of Nutritional Biochemistry</i> , <b>2011</b> , 22, 712-22	6.3	204
286	Dietary non-digestible carbohydrates promote L-cell differentiation in the proximal colon of rats. <i>British Journal of Nutrition</i> , <b>2007</b> , 98, 32-7	3.6	199
285	Gut-derived lipopolysaccharide augments adipose macrophage accumulation but is not essential for impaired glucose or insulin tolerance in mice. <i>Gut</i> , <b>2012</b> , 61, 1701-7	19.2	195

284	Gut microbiota controls adipose tissue expansion, gut barrier and glucose metabolism: novel insights into molecular targets and interventions using prebiotics. <i>Beneficial Microbes</i> , <b>2014</b> , 5, 3-17	4.9	193
283	Endocannabinoids--at the crossroads between the gut microbiota and host metabolism. <i>Nature Reviews Endocrinology</i> , <b>2016</b> , 12, 133-43	15.2	191
282	Hedgehog partial agonism drives Warburg-like metabolism in muscle and brown fat. <i>Cell</i> , <b>2012</b> , 151, 414-26	4.2	191
281	Liver adenosine monophosphate-activated kinase-alpha2 catalytic subunit is a key target for the control of hepatic glucose production by adiponectin and leptin but not insulin. <i>Endocrinology</i> , <b>2006</b> , 147, 2432-41	4.8	190
280	Role of intestinal permeability and inflammation in the biological and behavioral control of alcohol-dependent subjects. <i>Brain, Behavior, and Immunity</i> , <b>2012</b> , 26, 911-8	16.6	186
279	Microbial regulation of organismal energy homeostasis. <i>Nature Metabolism</i> , <b>2019</b> , 1, 34-46	14.6	186
278	Dietary modulation of clostridial cluster XIVa gut bacteria ( <i>Roseburia</i> spp.) by chitin-glucan fiber improves host metabolic alterations induced by high-fat diet in mice. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 51-9	6.3	185
277	Mucus barrier, mucins and gut microbiota: the expected slimy partners?. <i>Gut</i> , <b>2020</b> , 69, 2232-2243	19.2	182
276	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. <i>British Journal of Cancer</i> , <b>2012</b> , 107, 1337-44	8.7	181
275	induces gut microbiota remodelling and controls islet autoimmunity in NOD mice. <i>Gut</i> , <b>2018</b> , 67, 1445-1453	15.2	180
274	Role of gut microflora in the development of obesity and insulin resistance following high-fat diet feeding. <i>Pathologie Et Biologie</i> , <b>2008</b> , 56, 305-9		176
273	Gut microorganisms as promising targets for the management of type 2 diabetes. <i>Diabetologia</i> , <b>2015</b> , 58, 2206-17	10.3	169
272	Polyphenol-rich extract of pomegranate peel alleviates tissue inflammation and hypercholesterolaemia in high-fat diet-induced obese mice: potential implication of the gut microbiota. <i>British Journal of Nutrition</i> , <b>2013</b> , 109, 802-9	3.6	167
271	Kupffer cell activation is a causal factor for hepatic insulin resistance. <i>American Journal of Physiology - Renal Physiology</i> , <b>2010</b> , 298, G107-16	5.1	165
270	Inulin-type fructans modulate intestinal <i>Bifidobacterium</i> species populations and decrease fecal short-chain fatty acids in obese women. <i>Clinical Nutrition</i> , <b>2015</b> , 34, 501-7	5.9	162
269	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. <i>Nature Communications</i> , <b>2014</b> , 5, 5648	17.4	160
268	How gut microbes talk to organs: The role of endocrine and nervous routes. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 743-52	8.8	159
267	<i>Saccharomyces boulardii</i> administration changes gut microbiota and reduces hepatic steatosis, low-grade inflammation, and fat mass in obese and type 2 diabetic db/db mice. <i>MBio</i> , <b>2014</b> , 5, e01011-14	7.8	158

266	Cannabinoid CB2 receptor potentiates obesity-associated inflammation, insulin resistance and hepatic steatosis. <i>PLoS ONE</i> , <b>2009</b> , 4, e5844	3.7	158
265	Wheat-derived arabinoxylan oligosaccharides with prebiotic effect increase satietogenic gut peptides and reduce metabolic endotoxemia in diet-induced obese mice. <i>Nutrition and Diabetes</i> , <b>2012</b> , 2, e28	4.7	157
264	Gut microbiota-mediated inflammation in obesity: a link with gastrointestinal cancer. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2018</b> , 15, 671-682	24.2	152
263	Involvement of endogenous glucagon-like peptide-1(7-36) amide on glycaemia-lowering effect of oligofructose in streptozotocin-treated rats. <i>Journal of Endocrinology</i> , <b>2005</b> , 185, 457-65	4.7	151
262	Increasing endogenous 2-arachidonoylglycerol levels counteracts colitis and related systemic inflammation. <i>FASEB Journal</i> , <b>2011</b> , 25, 2711-21	0.9	147
261	Gut microbiota and GLP-1. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2014</b> , 15, 189-96	10.5	146
260	Modulation of the gut microbiota by nutrients with prebiotic properties: consequences for host health in the context of obesity and metabolic syndrome. <i>Microbial Cell Factories</i> , <b>2011</b> , 10 Suppl 1, S10	6.4	142
259	Modulation of glucagon-like peptide 1 and energy metabolism by inulin and oligofructose: experimental data. <i>Journal of Nutrition</i> , <b>2007</b> , 137, 2547S-2551S	4.1	137
258	Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansion to increase satiety. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 48-60	8.8	127
257	Restoring specific lactobacilli levels decreases inflammation and muscle atrophy markers in an acute leukemia mouse model. <i>PLoS ONE</i> , <b>2012</b> , 7, e37971	3.7	127
256	Potential modulation of plasma ghrelin and glucagon-like peptide-1 by anorexigenic cannabinoid compounds, SR141716A (rimonabant) and oleoylethanolamide. <i>British Journal of Nutrition</i> , <b>2004</b> , 92, 757-61	3.6	126
255	Coenzyme Q10 supplementation lowers hepatic oxidative stress and inflammation associated with diet-induced obesity in mice. <i>Biochemical Pharmacology</i> , <b>2009</b> , 78, 1391-400	6	117
254	Adipose tissue NAPE-PLD controls fat mass development by altering the browning process and gut microbiota. <i>Nature Communications</i> , <b>2015</b> , 6, 6495	17.4	116
253	Gut microbiota and metabolic disorders: How prebiotic can work?. <i>British Journal of Nutrition</i> , <b>2013</b> , 109 Suppl 2, S81-5	3.6	114
252	A place for dietary fibre in the management of the metabolic syndrome. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2005</b> , 8, 636-40	3.8	114
251	How Probiotics Affect the Microbiota. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2019</b> , 9, 454	5.9	113
250	The unfolded protein response is activated in skeletal muscle by high-fat feeding: potential role in the downregulation of protein synthesis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 299, E695-705	6	111
249	Targeted nanoparticles with novel non-peptidic ligands for oral delivery. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 833-44	18.5	109

248	Novel opportunities for next-generation probiotics targeting metabolic syndrome. <i>Current Opinion in Biotechnology</i> , <b>2015</b> , 32, 21-27	11.4	108
247	Physiological effects of dietary fructans extracted from Agave tequilana Gto. and Dasyliirion spp. <i>British Journal of Nutrition</i> , <b>2008</b> , 99, 254-61	3.6	108
246	Role of central nervous system glucagon-like Peptide-1 receptors in enteric glucose sensing. <i>Diabetes</i> , <b>2008</b> , 57, 2603-12	0.9	106
245	Talking microbes: When gut bacteria interact with diet and host organs. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 58-66	5.9	100
244	Targeting the gut microbiota with inulin-type fructans: preclinical demonstration of a novel approach in the management of endothelial dysfunction. <i>Gut</i> , <b>2018</b> , 67, 271-283	19.2	100
243	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. <i>ISME Journal</i> , <b>2016</b> , 10, 1456-70	11.9	100
242	Implication of the anti-inflammatory bioactive lipid prostaglandin D2-glycerol ester in the control of macrophage activation and inflammation by ABHD6. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2013</b> , 110, 17558-63	11.5	97
241	Rhubarb extract prevents hepatic inflammation induced by acute alcohol intake, an effect related to the modulation of the gut microbiota. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1500899	5.9	96
240	Gut Microbes and Health: A Focus on the Mechanisms Linking Microbes, Obesity, and Related Disorders. <i>Obesity</i> , <b>2018</b> , 26, 792-800	8	94
239	High-fat diet feeding differentially affects the development of inflammation in the central nervous system. <i>Journal of Neuroinflammation</i> , <b>2016</b> , 13, 206	10.1	89
238	Gut microbiota and the pathogenesis of insulin resistance. <i>Current Diabetes Reports</i> , <b>2011</b> , 11, 154-9	5.6	88
237	Relation between colonic proglucagon expression and metabolic response to oligofructose in high fat diet-fed mice. <i>Life Sciences</i> , <b>2006</b> , 79, 1007-13	6.8	88
236	Dietary patterns differently associate with inflammation and gut microbiota in overweight and obese subjects. <i>PLoS ONE</i> , <b>2014</b> , 9, e109434	3.7	87
235	Initial dietary and microbiological environments deviate in normal-weight compared to overweight children at 10 years of age. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2011</b> , 52, 90-5	2.8	87
234	Metabolism in 2013: The gut microbiota manages host metabolism. <i>Nature Reviews Endocrinology</i> , <b>2014</b> , 10, 74-6	15.2	86
233	Kupffer cell depletion prevents but has no therapeutic effect on metabolic and inflammatory changes induced by a high-fat diet. <i>FASEB Journal</i> , <b>2011</b> , 25, 4301-11	0.9	86
232	Brain glucagon-like peptide 1 signaling controls the onset of high-fat diet-induced insulin resistance and reduces energy expenditure. <i>Endocrinology</i> , <b>2008</b> , 149, 4768-77	4.8	86
231	Microbiota and metabolites in metabolic diseases. <i>Nature Reviews Endocrinology</i> , <b>2019</b> , 15, 69-70	15.2	86



230	Reduced obesity, diabetes, and steatosis upon cinnamon and grape pomace are associated with changes in gut microbiota and markers of gut barrier. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 314, E334-E352	6	85
229	The Gut Microbiome Influences Host Endocrine Functions. <i>Endocrine Reviews</i> , <b>2019</b> , 40, 1271-1284	27.2	85
228	The gut microbiota metabolite indole alleviates liver inflammation in mice. <i>FASEB Journal</i> , <b>2018</b> , 32, fj201800544	18.9	84
227	Gut microbiota and obesity: lessons from the microbiome. <i>Briefings in Functional Genomics</i> , <b>2013</b> , 12, 381-7	4.9	84
226	N-Acylethanolamine-hydrolyzing acid amidase inhibition increases colon N-palmitoylethanolamine levels and counteracts murine colitis. <i>FASEB Journal</i> , <b>2015</b> , 29, 650-61	0.9	83
225	Hypothalamic AgRP-neurons control peripheral substrate utilization and nutrient partitioning. <i>EMBO Journal</i> , <b>2012</b> , 31, 4276-88	13	83
224	Glucose metabolism: focus on gut microbiota, the endocannabinoid system and beyond. <i>Diabetes and Metabolism</i> , <b>2014</b> , 40, 246-57	5.4	82
223	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. <i>Gut</i> , <b>2017</b> , 66, 620-632	19.2	81
222	Probiotics, prebiotics, and the host microbiome: the science of translation. <i>Annals of the New York Academy of Sciences</i> , <b>2013</b> , 1306, 1-17	6.5	80
221	GLUT2 and the incretin receptors are involved in glucose-induced incretin secretion. <i>Molecular and Cellular Endocrinology</i> , <b>2007</b> , 276, 18-23	4.4	80
220	Helsinki alert of biodiversity and health. <i>Annals of Medicine</i> , <b>2015</b> , 47, 218-25	1.5	79
219	Gut microbiota - at the intersection of everything?. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2017</b> , 14, 321-322	24.2	78
218	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. <i>Cell Metabolism</i> , <b>2017</b> , 25, 522-534	24.6	77
217	Crosstalk between the gut microbiota and the endocannabinoid system: impact on the gut barrier function and the adipose tissue. <i>Clinical Microbiology and Infection</i> , <b>2012</b> , 18 Suppl 4, 50-3	9.5	77
216	Critical role of Kupffer cells in the management of diet-induced diabetes and obesity. <i>Biochemical and Biophysical Research Communications</i> , <b>2009</b> , 385, 351-6	3.4	77
215	Non Digestible Oligosaccharides Modulate the Gut Microbiota to Control the Development of Leukemia and Associated Cachexia in Mice. <i>PLoS ONE</i> , <b>2015</b> , 10, e0131009	3.7	77
214	Prebiotic approach alleviates hepatic steatosis: implication of fatty acid oxidative and cholesterol synthesis pathways. <i>Molecular Nutrition and Food Research</i> , <b>2013</b> , 57, 347-59	5.9	76
213	Alterations of gut barrier and gut microbiota in food restriction, food deprivation and protein-energy wasting. <i>Clinical Nutrition</i> , <b>2015</b> , 34, 341-9	5.9	75



212	Roux-en-Y gastric bypass surgery in rats alters gut microbiota profile along the intestine. <i>Physiology and Behavior</i> , <b>2013</b> , 119, 92-6	3.5	75
211	Toll-like receptor 4 knockout mice are protected against endoplasmic reticulum stress induced by a high-fat diet. <i>PLoS ONE</i> , <b>2013</b> , 8, e65061	3.7	72
210	Peroxisome proliferator-activated receptor-alpha-null mice have increased white adipose tissue glucose utilization, GLUT4, and fat mass: Role in liver and brain. <i>Endocrinology</i> , <b>2006</b> , 147, 4067-78	4.8	68
209	Discovery of the gut microbial signature driving the efficacy of prebiotic intervention in obese patients. <i>Gut</i> , <b>2020</b> , 69, 1975-1987	19.2	67
208	Dietary supplementation with chitosan derived from mushrooms changes adipocytokine profile in diet-induced obese mice, a phenomenon linked to its lipid-lowering action. <i>International Immunopharmacology</i> , <b>2009</b> , 9, 767-73	5.8	67
207	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. <i>Nature Communications</i> , <b>2019</b> , 10, 457	17.4	66
206	Diet and depression: exploring the biological mechanisms of action. <i>Molecular Psychiatry</i> , <b>2021</b> , 26, 134-150	15.0	66
205	Impact of prebiotics on metabolic and behavioral alterations in a mouse model of metabolic syndrome. <i>Brain, Behavior, and Immunity</i> , <b>2017</b> , 64, 33-49	16.6	64
204	Changes in intestinal bifidobacteria levels are associated with the inflammatory response in magnesium-deficient mice. <i>Journal of Nutrition</i> , <b>2010</b> , 140, 509-14	4.1	62
203	Host-microbiome interactions in human type 2 diabetes following prebiotic fibre (galacto-oligosaccharide) intake. <i>British Journal of Nutrition</i> , <b>2016</b> , 116, 1869-1877	3.6	62
202	Hepatic n-3 polyunsaturated fatty acid depletion promotes steatosis and insulin resistance in mice: genomic analysis of cellular targets. <i>PLoS ONE</i> , <b>2011</b> , 6, e23365	3.7	61
201	Effects of a diet based on inulin-rich vegetables on gut health and nutritional behavior in healthy humans. <i>American Journal of Clinical Nutrition</i> , <b>2019</b> , 109, 1683-1695	7	60
200	Phytosterol analysis and characterization in spelt ( <i>Triticum aestivum</i> ssp. <i>spelta</i> L.) and wheat ( <i>T. aestivum</i> L.) lipids by LC/APCI-MS. <i>Journal of Cereal Science</i> , <b>2003</b> , 38, 189-197	3.8	59
199	Apelin targets gut contraction to control glucose metabolism via the brain. <i>Gut</i> , <b>2017</b> , 66, 258-269	19.2	58
198	Pasteurized increases whole-body energy expenditure and fecal energy excretion in diet-induced obese mice. <i>Gut Microbes</i> , <b>2020</b> , 11, 1231-1245	8.8	56
197	Pancreatic alpha-cell dysfunction in diabetes. <i>Diabetes and Metabolism</i> , <b>2008</b> , 34 Suppl 2, S49-55	5.4	54
196	Role of the lower and upper intestine in the production and absorption of gut microbiota-derived PUFA metabolites. <i>PLoS ONE</i> , <b>2014</b> , 9, e87560	3.7	53
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