Patrice D. Cani

List of Publications by Year in Descending Order

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	Gut microbiome and health: mechanistic insights.. *Gut*, **2022**,	19.2	39
336	Nutrition et microbiote dans le diabète de type 2. De la symbiose à la dysfonction métabolique. *Medecine Des Maladies Metaboliques*, **2022**, 16, 114-114	0.1	0
335	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	5	1
334	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	11.4	1
333	Breath volatile metabolome reveals the impact of dietary fibres on the gut microbiota: Proof of concept in healthy volunteers.. *EBioMedicine*, **2022**, 80, 104051	8.8	1
332	Glucose Stimulates Gut Motility in Fasted and Fed Conditions: Potential Involvement of a Nitric Oxide Pathway. *Nutrients*, **2022**, 14, 2176	6.7	1
331	Diet and depression: future needs to unlock the potential. *Molecular Psychiatry*, **2021**,	15.1	3
330	Commentary on : Prebiotic effects: metabolic and health benefits. *British Journal of Nutrition*, **2021**, 1-7	3.6	2
329	Serum metabolite profiling yields insights into health promoting effect of A. muciniphila in human volunteers with a metabolic syndrome. *Gut Microbes*, **2021**, 13, 1994270	8.8	7
328	Reactive Oxygen Species / Reactive Nitrogen Species as Messengers in the Gut: Impact on Physiology and Metabolic Disorders. *Antioxidants and Redox Signaling*, **2021**,	8.4	2
327	Circulating fatty acids and endocannabinoidome-related mediator profiles associated to human longevity. *GeroScience*, **2021**, 43, 1783-1798	8.9	4
326	Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice. *Nutrients*, **2021**, 13,	6.7	5
325	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	5.9	5
324	Tumor apelin and obesity are associated with reduced neoadjuvant chemotherapy response in a cohort of breast cancer patients. *Scientific Reports*, **2021**, 11, 9922	4.9	4
323	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	16.6	11
322	Dietary fiber deficiency as a component of malnutrition associated with psychological alterations in alcohol use disorder. *Clinical Nutrition*, **2021**, 40, 2673-2682	5.9	2
321	Gut Microbiota and Host Metabolism: From Proof of Concept to Therapeutic Intervention. *Microorganisms*, **2021**, 9,	4.9	10

320	A newly identified protein from Akkermansia muciniphila stimulates GLP-1 secretion. *Cell Metabolism*, **2021**, 33, 1073-1075	24.6	8
319	is a newly isolated human commensal bacterium preventing diet-induced obesity and metabolic disorders in mice. *Gut*, **2021**,	19.2	17
318	Novel insights into the genetically obese (ob/ob) and diabetic (db/db) mice: two sides of the same coin. *Microbiome*, **2021**, 9, 147	16.6	15
317	Diet and depression: exploring the biological mechanisms of action. *Molecular Psychiatry*, **2021**, 26, 134-150	15.1	66
316	Toxicological safety evaluation of pasteurized Akkermansia muciniphila. *Journal of Applied Toxicology*, **2021**, 41, 276-290	4.1	18
315	Identification of new enterosynes using prebiotics: roles of bioactive lipids and mu-opioid receptor signalling in humans and mice. *Gut*, **2021**, 70, 1078-1087	19.2	11
314	Bacteria-derived long chain fatty acid exhibits anti-inflammatory properties in colitis. *Gut*, **2021**, 70, 1088-1097	19.2	24
313	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	8.8	2
312	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	4.9	8
311	Gut microbes participate in food preference alterations during obesity. *Gut Microbes*, **2021**, 13, 1959242	8.8	6
310	Beneficial Effects of Are Not Associated with Major Changes in the Circulating Endocannabinoidome but Linked to Higher Mono-Palmitoyl-Glycerol Levels as New PPAR Agonists. *Cells*, **2021**, 10,	7.9	16
309	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,	7.9	6
308	Multi-compartment metabolomics and metagenomics reveal major hepatic and intestinal disturbances in cancer cachectic mice. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**, 12, 456-475	10.3	12
307	The Liver under the Spotlight: Bile Acids and Oxysterols as Pivotal Actors Controlling Metabolism. *Cells*, **2021**, 10,	7.9	6
306	Do diet and microbes really 'PREDICT' cardiometabolic risks?. *Nature Reviews Endocrinology*, **2021**, 17, 259-260	15.2	3
305	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	5.2	9
304	Gut microbiome, endocrine control of gut barrier function and metabolic diseases. *Journal of Endocrinology*, **2021**, 248, R67-R82	4.7	27
303	Hepatoprotective Effects of Indole, a Gut Microbial Metabolite, in Leptin-Deficient Obese Mice. *Journal of Nutrition*, **2021**, 151, 1507-1516	4.1	8

302	Gut microbiome, endocrine control of gut barrier function and metabolic diseases. *Journal of Endocrinology*, **2021**, 250, X1	4.7	
301	Authors' Response: "Akkermansia muciniphila reduces Porphyromonas gingivalis induced inflammation and periodontal bone destruction". *Journal of Clinical Periodontology*, **2021**, 48, 1493-1494	7.7	1
300	A dynamic association between myosteatosis and liver stiffness: Results from a prospective interventional study in obese patients. *JHEP Reports*, **2021**, 3, 100323	10.3	4
299	Gut barrier and microbiota changes with glycine and branched-chain amino acid supplementation in chronic haemodialysis patients. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**,	10.3	1
298	Glycine increases fat-free mass in malnourished haemodialysis patients: a randomized double-blind crossover trial. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**,	10.3	1
297	Interactions between the microbiota and enteric nervous system during gut-brain disorders. *Neuropharmacology*, **2021**, 197, 108721	5.5	6
296	Microbiota analysis and transient elastography reveal new extra-hepatic components of liver steatosis and fibrosis in obese patients. *Scientific Reports*, **2021**, 11, 659	4.9	7
295	Inflammation-induced cholestasis in cancer cachexia. *Journal of Cachexia, Sarcopenia and Muscle*, **2021**, 12, 70-90	10.3	7
294	Microbiota and Metabolite Profiling as Markers of Mood Disorders: A Cross-Sectional Study in Obese Patients.. *Nutrients*, **2021**, 14,	6.7	1
293	Novel strategy for oral peptide delivery in incretin-based diabetes treatment. *Gut*, **2020**, 69, 911-919	19.2	27
292	Hepatic NAPE-PLD Is a Key Regulator of Liver Lipid Metabolism. *Cells*, **2020**, 9,	7.9	8
291	Gut microbiota and regulation of myokine-adipokine function. *Current Opinion in Pharmacology*, **2020**, 52, 9-17	5.1	15
290	Targeted nanoparticles towards increased L cell stimulation as a strategy to improve oral peptide delivery in incretin-based diabetes treatment. *Biomaterials*, **2020**, 255, 120209	15.6	16
289	Microbial signatures in metabolic tissues: a novel paradigm for obesity and diabetes?. *Nature Metabolism*, **2020**, 2, 211-212	14.6	6
288	Mediterranean diet, gut microbiota and health: when age and calories do not add up!. *Gut*, **2020**, 69, 1167-1168	19.2	15
287	Pasteurized increases whole-body energy expenditure and fecal energy excretion in diet-induced obese mice. *Gut Microbes*, **2020**, 11, 1231-1245	8.8	56
286	La prþaration colique en chirurgie colorectale. *Praticien En Anesthesie Reanimation*, **2020**, 24, 35-40	0	
285	Pasteurized protects from fat mass gain but not from bone loss. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E480-E491	6	19

284	Discovery of the gut microbial signature driving the efficacy of prebiotic intervention in obese patients. *Gut*, **2020**, 69, 1975-1987	19.2	67
283	From correlation to causality: the case of. *Gut Microbes*, **2020**, 12, 1-13	8.8	33
282	gen. nov., sp. nov., isolated from human faeces and emended description of the genus. *International Journal of Systematic and Evolutionary Microbiology*, **2020**, 70, 4851-4858	2.2	4
281	Germ-free mice exhibit profound gut microbiota-dependent alterations of intestinal endocannabinoidome signaling. *Journal of Lipid Research*, **2020**, 61, 70-85	6.3	32
280	Akkermansia muciniphila reduces Porphyromonas gingivalis-induced inflammation and periodontal bone destruction. *Journal of Clinical Periodontology*, **2020**, 47, 202-212	7.7	38
279	Acute environmental hypoxia potentiates satellite cell-dependent myogenesis in response to resistance exercise through the inflammation pathway in human. *FASEB Journal*, **2020**, 34, 1885-1900	0.9	12
278	Gut Microbiota-Induced Changes in Hydroxybutyrate Metabolism Are Linked to Altered Sociability and Depression in Alcohol Use Disorder. *Cell Reports*, **2020**, 33, 108238	10.6	32
277	Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased in Mice. *Nutrients*, **2020**, 12,	6.7	17
276	Obesity and triple-negative-breast-cancer: Is apelin a new key target?. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 10233-10244	5.6	4
275	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	6	3
274	Acetate: Friend or foe against breast tumour growth in the context of obesity?. *Journal of Cellular and Molecular Medicine*, **2020**, 24, 14195-14204	5.6	1
273	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	6	12
272	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. *Gut Microbes*, **2020**, 12, 1810530	8.8	9
271	Mucus barrier, mucins and gut microbiota: the expected slimy partners?. *Gut*, **2020**, 69, 2232-2243	19.2	182
270	Do Probiotics During In-Hospital Antibiotic Treatment Prevent Colonization of Gut Microbiota With Multi-Drug-Resistant Bacteria? A Randomized Placebo-Controlled Trial Comparing to a Mixture of , and. *Frontiers in Public Health*, **2020**, 8, 578089	6	6
269	Akkermansia muciniphila Exerts Lipid-Lowering and Immunomodulatory Effects without Affecting Neointima Formation in Hyperlipidemic APOE*3-Leiden.CETP Mice. *Molecular Nutrition and Food Research*, **2020**, 64, e1900732	5.9	19
268	Targeting the Enteric Nervous System to Treat Metabolic Disorders? "Enterosynes" as Therapeutic Gut Factors. *Neuroendocrinology*, **2020**, 110, 139-146	5.6	19
267	Metabolic Imaging Using Hyperpolarized Pyruvate-Lactate Exchange Assesses Response or Resistance to the EGFR Inhibitor Cetuximab in Patient-Derived HNSCC Xenografts. *Clinical Cancer Research*, **2020**, 26, 1932-1943	12.9	4

266	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	5.9	37
265	Functional Effects of EPS-Producing Administration on Energy Metabolic Alterations of Diet-Induced Obese Mice. *Frontiers in Microbiology*, **2019**, 10, 1809	5.7	19
264	Chitin-glucan and pomegranate polyphenols improve endothelial dysfunction. *Scientific Reports*, **2019**, 9, 14150	4.9	14
263	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. *Nature Communications*, **2019**, 10, 457	17.4	66
262	Targeting Carbohydrates and Polyphenols for a Healthy Microbiome and Healthy Weight. *Current Nutrition Reports*, **2019**, 8, 307-316	6	33
261	Hepatic MyD88 regulates liver inflammation by altering synthesis of oxysterols. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E99-E108	6	9
260	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	7	60
259	Is colonic propionate delivery a novel solution to improve metabolism and inflammation in overweight or obese subjects?. *Gut*, **2019**, 68, 1352-1353	19.2	8
258	Severe obesity and gut microbiota: does bariatric surgery really reset the system?. *Gut*, **2019**, 68, 5-6	19.2	26
257	Oral vancomycin treatment does not alter markers of postprandial inflammation in lean and obese subjects. *Physiological Reports*, **2019**, 7, e14199	2.6	4
256	The Gut Microbiome Influences Host Endocrine Functions. *Endocrine Reviews*, **2019**, 40, 1271-1284	27.2	85
255	Supplementation with Akkermansia muciniphila in overweight and obese human volunteers: a proof-of-concept exploratory study. *Nature Medicine*, **2019**, 25, 1096-1103	50.5	650
254	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	6	40
253	The Janus Face of Cereals: Wheat-Derived Prebiotics Counteract the Detrimental Effect of Gluten on Metabolic Homeostasis in Mice Fed a High-Fat/High-Sucrose Diet. *Molecular Nutrition and Food Research*, **2019**, 63, e1900632	5.9	10
252	Reply to 'Simpson's paradox in proof-of-concept studies'. *Nature Medicine*, **2019**, 25, 1640-1641	50.5	2
251	2017-P: Gut Microbes after Bariatric Surgery in Humans Improve Glucose Control in Mice without Fat Loss. *Diabetes*, **2019**, 68, 2017-P	0.9	
250	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	2.2	4
249	How Probiotics Affect the Microbiota. *Frontiers in Cellular and Infection Microbiology*, **2019**, 9, 454	5.9	113

248	Genetic deletion of soluble 5'-nucleotidase II reduces body weight gain and insulin resistance induced by a high-fat diet. *Molecular Genetics and Metabolism*, **2019**, 126, 377-387	3.7	9
247	Targeting gut microbiota with a complex mix of dietary fibers improves metabolic´diseases. *Kidney International*, **2019**, 95, 14-16	9.9	13
246	Microbiota and metabolites in metabolic diseases. *Nature Reviews Endocrinology*, **2019**, 15, 69-70	15.2	86
245	Microbial regulation of organismal energy homeostasis. *Nature Metabolism*, **2019**, 1, 34-46	14.6	186
244	Gut Microbes and Health: A Focus on the Mechanisms Linking Microbes, Obesity, and Related Disorders. *Obesity*, **2018**, 26, 792-800	8	94
243	Wheat-derived arabinoxylan oligosaccharides with bifidogenic properties abolishes metabolic disorders induced by western diet in mice. *Nutrition and Diabetes*, **2018**, 8, 15	4.7	22
242	Galanin enhances systemic glucose metabolism through enteric Nitric Oxide Synthase-expressed neurons. *Molecular Metabolism*, **2018**, 10, 100-108	8.8	33
241	Size Effect on Lipid Nanocapsule-Mediated GLP-1 Secretion from Enteroendocrine L Cells. *Molecular Pharmaceutics*, **2018**, 15, 108-115	5.6	15
240	induces gut microbiota remodelling and controls islet autoimmunity in NOD mice. *Gut*, **2018**, 67, 1445-1453	19.2	180
239	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	5.1	19
238	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	19.2	100
237	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	6	85
236	Human gut microbiome: hopes, threats and promises. *Gut*, **2018**, 67, 1716-1725	19.2	599
235	The gut microbiota metabolite indole alleviates liver inflammation in mice. *FASEB Journal*, **2018**, 32, fj201800548	5.6	84
234	Prebiotics Supplementation Impact on the Reinforcing and Motivational Aspect of Feeding. *Frontiers in Endocrinology*, **2018**, 9, 273	5.7	15
233	Impact of Intestinal Peptides on the Enteric Nervous System: Novel Approaches to Control Glucose Metabolism and Food Intake. *Frontiers in Endocrinology*, **2018**, 9, 328	5.7	20
232	Inulin Improves Postprandial Hypertriglyceridemia by Modulating Gene Expression in the Small Intestine. *Nutrients*, **2018**, 10,	6.7	14
231	Klebsiella oxytoca expands in cancer cachexia and acts as a gut pathobiont contributing to intestinal dysfunction. *Scientific Reports*, **2018**, 8, 12321	4.9	50

230	Increased gut permeability in cancer cachexia: mechanisms and clinical relevance. *Oncotarget*, **2018**, 9, 18224-18238	3.3	50
229	Implication of trans-11,trans-13 conjugated linoleic acid in the development of hepatic steatosis. *PLoS ONE*, **2018**, 13, e0192447	3.7	5
228	Genetic Tools for the Enhancement of Probiotic Properties **2018**, 371-387		
227	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	4.5	10
226	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	5.1	23
225	Dysregulated Microbial Fermentation of Soluble Fiber Induces Cholestatic Liver Cancer. *Cell*, **2018**, 175, 679-694.e22	56.2	205
224	United States Regulatory Considerations for Development of Live Biotherapeutic Products as Drugs **2018**, 409-416		1
223	Bacteriophage Clinical Use as Antibacterial Drugs: Utility and Precedent **2018**, 417-451		
222	Modulation of the Gastrointestinal Microbiome with Nondigestible Fermentable Carbohydrates To Improve Human Health **2018**, 453-483		6
221	Microbiota, Liver Diseases, and Alcohol **2018**, 187-212		1
220	The Potential of Probiotics as a Therapy for Osteoporosis **2018**, 213-233		4
219	Lung Microbiota and Its Impact on the Mucosal Immune Phenotype **2018**, 161-186		
218	Fecal Microbiota Transplantation: Therapeutic Potential for a Multitude of Diseases beyond Clostridium difficile **2018**, 291-308		2
217	Engineering Diagnostic and Therapeutic Gut Bacteria **2018**, 331-361		1
216	Enterococci and Their Interactions with the Intestinal Microbiome **2018**, 309-330		6
215	Biochemical Features of Beneficial Microbes: Foundations for Therapeutic Microbiology **2018**, 1-47		
214	Ecological Therapeutic Opportunities for Oral Diseases **2018**, 235-265		
213	Control of Clostridium difficile Infection by Defined Microbial Communities **2018**, 267-289		0

212	Use of Traditional and Genetically Modified Probiotics in Human Health: What Does the Future Hold? **2018**, 363-370		
211	The Genomic Basis of Lactobacilli as Health-Promoting Organisms **2018**, 49-71		
210	Microbial Interactions and Interventions in Colorectal Cancer **2018**, 99-130		1
209	Bifidobacteria and Their Health-Promoting Effects **2018**, 73-98		11
208	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders? **2018**, 131-148		
207	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	10.3	41
206	Gut microbiota-mediated inflammation in obesity: a link with gastrointestinal cancer. *Nature Reviews Gastroenterology and Hepatology*, **2018**, 15, 671-682	24.2	152
205	The Transplantation of ß PUFA-Altered Gut Microbiota of fat-1 Mice to Wild-Type Littermates Prevents Obesity and Associated Metabolic Disorders. *Diabetes*, **2018**, 67, 1512-1523	0.9	45
204	Fecal Enterobacteriales enrichment is associated with increased in´vivo intestinal permeability in humans. *Physiological Reports*, **2018**, 6, e13649	2.6	19
203	Apelin targets gut contraction to control glucose metabolism via the brain. *Gut*, **2017**, 66, 258-269	19.2	58
202	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	5.9	96
201	Can probiotics modulate human disease by impacting intestinal barrier function?. *British Journal of Nutrition*, **2017**, 117, 93-107	3.6	218
200	Integrative Physiology: At the Crossroads of Nutrition, Microbiota, Animal Physiology, and Human Health. *Cell Metabolism*, **2017**, 25, 522-534	24.6	77
199	Homeostasis of the gut barrier and potential biomarkers. *American Journal of Physiology - Renal Physiology*, **2017**, 312, G171-G193	5.1	240
198	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. *Gut*, **2017**, 66, 620-632	19.2	81
197	Novel insight into the role of microbiota in colorectal surgery. *Gut*, **2017**, 66, 738-749	19.2	51
196	Gut microbiota - at the intersection of everything?. *Nature Reviews Gastroenterology and Hepatology*, **2017**, 14, 321-322	24.2	78
195	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	24.2	1963

194	Transfer of dysbiotic gut microbiota has beneficial effects on host liver metabolism. *Molecular Systems Biology*, **2017**, 13, 921	12.2	32
193	Impact of prebiotics on metabolic and behavioral alterations in a mouse model of metabolic syndrome. *Brain, Behavior, and Immunity*, **2017**, 64, 33-49	16.6	64
192	Enteroendocrine Cells: Metabolic Relays between Microbes and Their Host. *Endocrine Development*, **2017**, 32, 139-164		21
191	Adipose Tissue Metabolism and Cancer Progression: Novel Insights from Gut Microbiota?. *Current Pathobiology Reports*, **2017**, 5, 315-322	2	15
190	Combined endogenous MR biomarkers to predict basal tumor oxygenation and response to hyperoxic challenge. *NMR in Biomedicine*, **2017**, 30, e3836	4.4	9
189	Host-microbiota interaction induces bi-phasic inflammation and glucose intolerance in mice. *Molecular Metabolism*, **2017**, 6, 1371-1380	8.8	22
188	Microbial Impact on Host Metabolism: Opportunities for Novel Treatments of Nutritional Disorders?. *Microbiology Spectrum*, **2017**, 5,	8.9	23
187	Ffar2 expression regulates leukaemic cell growth in vivo. *British Journal of Cancer*, **2017**, 117, 1336-1340	8.7	8
186	Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity. *Scientific Reports*, **2017**, 7, 5621	4.9	33
185	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	6.3	50
184	Gut cell metabolism shapes the microbiome. *Science*, **2017**, 357, 548-549	33.3	42
183	Fermentable carbohydrate stimulates FFAR2-dependent colonic PYY cell expansion to increase satiety. *Molecular Metabolism*, **2017**, 6, 48-60	8.8	127
182	A purified membrane protein from Akkermansia muciniphila or the pasteurized bacterium improves metabolism in obese and diabetic mice. *Nature Medicine*, **2017**, 23, 107-113	50.5	896
181	Spirulina Protects against Hepatic Inflammation in Aging: An Effect Related to the Modulation of the Gut Microbiota?. *Nutrients*, **2017**, 9,	6.7	33
180	Next-Generation Beneficial Microbes: The Case of. *Frontiers in Microbiology*, **2017**, 8, 1765	5.7	459
179	Intestinal Ralstonia pickettii augments glucose intolerance in obesity. *PLoS ONE*, **2017**, 12, e0181693	3.7	28
178	Talking microbes: When gut bacteria interact with diet and host organs. *Molecular Nutrition and Food Research*, **2016**, 60, 58-66	5.9	100
177	Akkermansia muciniphila and improved metabolic health during a dietary intervention in obesity: relationship with gut microbiome richness and ecology. *Gut*, **2016**, 65, 426-36	19.2	938

176	Gut microbiota: Changes in gut microbes and host metabolism: squaring the circle?. *Nature Reviews Gastroenterology and Hepatology*, **2016**, 13, 563-4	24.2	19
175	A Mechanistic Study on Nanoparticle-Mediated Glucagon-Like Peptide-1 (GLP-1) Secretion from Enteroendocrine L Cells. *Molecular Pharmaceutics*, **2016**, 13, 4222-4230	5.6	16
174	Central chronic apelin infusion decreases energy expenditure and thermogenesis in mice. *Scientific Reports*, **2016**, 6, 31849	4.9	13
173	Human Intestinal Barrier Function in Health and Disease. *Clinical and Translational Gastroenterology* , **2016**, 7, e196	4.2	396
172	How gut microbes talk to organs: The role of endocrine and nervous routes. *Molecular Metabolism*, **2016**, 5, 743-52	8.8	159
171	Endocannabinoids--at the crossroads between the gut microbiota and host metabolism. *Nature Reviews Endocrinology*, **2016**, 12, 133-43	15.2	191
170	Losing weight for a better health: Role for the gut microbiota. *Clinical Nutrition Experimental*, **2016**, 6, 39-58	2	21
169	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. *ISME Journal*, **2016**, 10, 1456-70	11.9	100
168	Prebiotics: why definitions matter. *Current Opinion in Biotechnology*, **2016**, 37, 1-7	11.4	245
167	Intestinal Sucrase as a Novel Target Contributing to the Regulation of Glycemia by Prebiotics. *PLoS ONE*, **2016**, 11, e0160488	3.7	20
166	Nutritional depletion in n-3 PUFA in apoE knock-out mice: A new model of endothelial dysfunction associated with fatty liver disease. *Molecular Nutrition and Food Research*, **2016**, 60, 2198-2207	5.9	3
165	Monitoring Combretastatin A4-induced tumor hypoxia and hemodynamic changes using endogenous MR contrast and DCE-MRI. *Magnetic Resonance in Medicine*, **2016**, 75, 866-72	4.4	15
164	Obesity is associated with changes in oxysterol metabolism and levels in mice liver, hypothalamus, adipose tissue and plasma. *Scientific Reports*, **2016**, 6, 19694	4.9	39
163	Microbiote intestinal et obsit: impact des lipides bioactifs issus du syst me endocannabino de. *OCL - Oilseeds and Fats, Crops and Lipids*, **2016**, 23, D305	1.5	
162	High-fat diet feeding differentially affects the development of inflammation in the central nervous system. *Journal of Neuroinflammation*, **2016**, 13, 206	10.1	89
161	Gut microbiome and liver diseases. *Gut*, **2016**, 65, 2035-2044	19.2	252
160	Host-microbiome interactions in human type 2 diabetes following prebiotic fibre (galacto-oligosaccharide) intake. *British Journal of Nutrition*, **2016**, 116, 1869-1877	3.6	62
159	Glucosensing in the gastrointestinal tract: Impact on glucose metabolism. *American Journal of Physiology - Renal Physiology*, **2016**, 310, G645-58	5.1	26

158	Gut microorganisms as promising targets for the management of type 2 diabetes. *Diabetologia*, **2015**, 58, 2206-17	10.3	169
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