Nathalie M. Delzenne

List of Publications by Year
in descending order

305	50,644	2538 96	1589 216
papers	citations	h-index	g-index

324	324	324	38443
all docs	docs citations	times ranked	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 Akkermansia muciniphila 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	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
5	Prebiotic effects: metabolic and health benefits. British Journal of Nutrition, 2010, 104, S1-S63.	1.2	1,745
6	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
7	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
8	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
9	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
10	The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of synbiotics. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 687-701.	8.2	826
11	The Role of the Gut Microbiota in Energy Metabolism and Metabolic Disease. Current Pharmaceutical Design, 2009, 15, 1546-1558.	0.9	775
12	Towards a more comprehensive concept for prebiotics. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 303-310.	8.2	679
13	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
14	Targeting gut microbiota in obesity: effects of prebiotics and probiotics. Nature Reviews Endocrinology, 2011, 7, 639-646.	4.3	653
15	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
16	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
17	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
18	The endocannabinoid system links gut microbiota to adipogenesis. Molecular Systems Biology, 2010, 6, 392.	3.2	547

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19	Microbiome of prebiotic-treated mice reveals novel targets involved in host response during obesity. ISME Journal, 2014, 8, 2116-2130.	4.4	491
20	Dietary prebiotics: current status and new definition. Food Science and Technology Bulletin, 2010, 7, 1-19.	0.5	432
21	Functional food properties of non-digestible oligosaccharides: a consensus report from the ENDO project (DGXII AIRII-CT94-1095). British Journal of Nutrition, 1999, 81, 121-132.	1.2	417
22	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
23	Inulin-type fructans modulate gastrointestinal peptides involved in appetite regulation (glucagon-like) Tj ETQq1 1 0.784314 rgBT /Ove	1.2	367
24	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
25	Interaction Between Obesity and the Gut Microbiota: Relevance in Nutrition. Annual Review of Nutrition, 2011, 31, 15-31.	4.3	358
26	DIETARY FRUCTANS. Annual Review of Nutrition, 1998, 18, 117-143.	4.3	345
27	Health relevance of the modification of low grade inflammation in ageing (inflammageing) and the role of nutrition. Ageing Research Reviews, 2017, 40, 95-119.	5.0	337
28	Oligofructose promotes satiety in healthy human: a pilot study. European Journal of Clinical Nutrition, 2006, 60, 567-572.	1.3	334
29	Oligofructose Promotes Satiety in Rats Fed a Highâ€Fat Diet: Involvement of Glucagonâ€Like Peptideâ€1. Obesity, 2005, 13, 1000-1007.	4.0	326
30	Interplay between obesity and associated metabolic disorders: new insights into the gut microbiota. Current Opinion in Pharmacology, 2009, 9, 737-743.	1.7	325
31	Microbial Modulation of Energy Availability in the Colon Regulates Intestinal Transit. Cell Host and Microbe, 2013, 14, 582-590.	5.1	306
32	The gut microbiome as therapeutic target. , 2011, 130, 202-212.		299
33	Endocannabinoids â€" at the crossroads between the gut microbiota and host metabolism. Nature Reviews Endocrinology, 2016, 12, 133-143.	4.3	275
34	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
35	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
36	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

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37	Dietary oligofructose lowers triglycerides, phospholipids and cholesterol in serum and very low density lipoproteins of rats. Lipids, 1995, 30, 163-167.	0.7	252
38	Impact of inulin and oligofructose on gastrointestinal peptides. British Journal of Nutrition, 2005, 93, S157-S161.	1.2	248
39	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
40	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. British Journal of Cancer, 2012, 107, 1337-1344.	2.9	238
41	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
42	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
43	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
44	Gut microorganisms as promising targets for the management of type 2 diabetes. Diabetologia, 2015, 58, 2206-2217.	2.9	220
45	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
46	Saccharomyces boulardii Administration Changes Gut Microbiota and Reduces Hepatic Steatosis, Low - Grade Inflammation, and Fat Mass in Obese and Type 2 Diabetic db / db Mice. MBio, 2014, 5, e01011-14.	1.8	217
47	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
48	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
49	Effect of fermentable fructo-oligosaccharides on mineral, nitrogen and energy digestive balance in the rat. Life Sciences, 1995, 57, 1579-1587.	2.0	207
50	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
51	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. Nature Communications, 2014, 5, 5648.	5.8	197
52	From correlation to causality: the case of Subdoligranulum. Gut Microbes, 2020, 12, 1849998.	4.3	192
53	Restoring Specific Lactobacilli Levels Decreases Inflammation and Muscle Atrophy Markers in an Acute Leukemia Mouse Model. PLoS ONE, 2012, 7, e37971.	1.1	186
54	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

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55	Increasing endogenous 2â€arachidonoylglycerol levels counteracts colitis and related systemic inflammation. FASEB Journal, 2011, 25, 2711-2721.	0.2	177
56	Effects of oligofructose on glucose and lipid metabolism in patients with nonalcoholic steatohepatitis: results of a pilot study. European Journal of Clinical Nutrition, 2005, 59, 723-726.	1.3	172
57	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
58	GPR43/FFA2: physiopathological relevance and therapeutic prospects. Trends in Pharmacological Sciences, 2013, 34, 226-232.	4.0	172
59	Effects of fructans-type prebiotics on lipid metabolism. American Journal of Clinical Nutrition, 2001, 73, 456s-458s.	2.2	171
60	Involvement of lipogenesis in the lower VLDL secretion induced by oligofructose in rats. British Journal of Nutrition, 1996, 76, 881-890.	1.2	168
61	Prebiotics and lipid metabolism. Current Opinion in Lipidology, 2002, 13, 61-67.	1.2	168
62	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
63	Oligosaccharides: state of the art. Proceedings of the Nutrition Society, 2003, 62, 177-182.	0.4	163
64	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
65	Gut Microbiota Signatures Predict Host and Microbiota Responses to Dietary Interventions in Obese Individuals. PLoS ONE, 2014, 9, e90702.	1.1	163
66	Role of Inflammatory Pathways, Blood Mononuclear Cells, and Gut-Derived Bacterial Products in Alcohol Dependence. Biological Psychiatry, 2014, 76, 725-733.	0.7	163
67	Inulin and oligofructose modulate lipid metabolism in animals: review of biochemical events and future prospects. British Journal of Nutrition, 2002, 87, S255-S259.	1.2	157
68	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
69	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
70	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. ISME Journal, 2016, 10, 1456-1470.	4.4	149
71	Gut microbiota and metabolic disorders: how prebiotic can work?. British Journal of Nutrition, 2013, 109, S81-S85.	1.2	148
72	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

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73	Dietary Fructans, but Not Cellulose, Decrease Triglyceride Accumulation in the Liver of Obese Zucker fa/fa Rats. Journal of Nutrition, 2002, 132, 967-973.	1.3	144
74	Adipose tissue NAPE-PLD controls fat mass development by altering the browning process and gut microbiota. Nature Communications, 2015, 6, 6495.	5.8	144
75	Impact of Diet Composition on Blood Glucose Regulation. Critical Reviews in Food Science and Nutrition, 2016, 56, 541-590.	5.4	144
76	Muscle wasting: The gut microbiota as a new therapeutic target?. International Journal of Biochemistry and Cell Biology, 2013, 45, 2186-2190.	1.2	143
77	Dietary Oligofructose Lessens Hepatic Steatosis, but Does Not Prevent Hypertriglyceridemia in Obese Zucker Rats. Journal of Nutrition, 2000, 130, 1314-1319.	1.3	141
78	Towards a multidisciplinary approach to understand and manage obesity and related diseases. Clinical Nutrition, 2017, 36, 917-938.	2.3	141
79	Discovery of the gut microbial signature driving the efficacy of prebiotic intervention in obese patients. Gut, 2020, 69, 1975-1987.	6.1	141
80	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
81	The gut microbiota metabolite indole alleviates liver inflammation in mice. FASEB Journal, 2018, 32, 6681-6693.	0.2	137
82	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
83	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
84	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
85	High-fat diet induces depression-like behaviour in mice associated with changes in microbiome, neuropeptide Y, and brain metabolome. Nutritional Neuroscience, 2019, 22, 877-893.	1.5	133
86	Gastrointestinal targets of appetite regulation in humans. Obesity Reviews, 2010, 11, 234-250.	3.1	129
87	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. Gut, 2017, 66, 620-632.	6.1	125
88	Will Isomalto-Oligosaccharides, a Well-Established Functional Food in Asia, Break through the European and American Market? The Status of Knowledge on these Prebiotics. Critical Reviews in Food Science and Nutrition, 2011, 51, 394-409.	5.4	123
89	Synbiotics Alter Fecal Microbiomes, But Not Liver Fat or Fibrosis, in a Randomized Trial of Patients With Nonalcoholic Fatty Liver Disease. Gastroenterology, 2020, 158, 1597-1610.e7.	0.6	123
90	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

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91	The link between inflammation, bugs, the intestine and the brain in alcohol dependence. Translational Psychiatry, 2017, 7, e1048-e1048.	2.4	120
92	Physiological effects of dietary fructans extracted fromAgave tequilanaGto. andDasylirionspp.. British Journal of Nutrition, 2008, 99, 254-261.	1.2	119
93	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
94	Role of Central Nervous System Glucagon-Like Peptide-1 Receptors in Enteric Glucose Sensing. Diabetes, 2008, 57, 2603-2612.	0.3	116
95	Insulin, Glucagon-like Peptide 1, Glucose-Dependent Insulinotropic Polypeptide and Insulin-Like Growth Factor I as Putative Mediators of the Hypolipidemic Effect of Oligofructose in Rats. Journal of Nutrition, 1998, 128, 1099-1103.	1.3	114
96	Dietary oligofructose modifies the impact of fructose on hepatic triacylglycerol metabolism. Metabolism: Clinical and Experimental, 1996, 45, 1547-1550.	1.5	112
97	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
98	Biochemical Basis of Oligofructose-Induced Hypolipidemia in Animal Models. Journal of Nutrition, 1999, 129, 1467S-1470S.	1.3	101
99	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
100	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. Nature Communications, 2019, 10, 457.	5.8	100
101	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
102	Gut Microbiota and the Pathogenesis of Insulin Resistance. Current Diabetes Reports, 2011, 11, 154-159.	1.7	97
103	Analogues and homologues of N-palmitoylethanolamide, a putative endogenous CB2 cannabinoid, as potential ligands for the cannabinoid receptors. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 1999, 1440, 266-274.	1.2	95
104	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
105	Comparative hepatotoxicity of cholic acid, deoxycholic acid and lithocholic acid in the rat: in vivo and in vitro studies. Toxicology Letters, 1992, 61, 291-304.	0.4	94
106	Dietary supplementation with laminarin, a fermentable marine Î² (1â€“3) glucan, protects against hepatotoxicity induced by LPS in rat by modulating immune response in the hepatic tissue. International Immunopharmacology, 2007, 7, 1497-1506.	1.7	94
107	Dietary fructooligosaccharides modify lipid metabolism in rats. American Journal of Clinical Nutrition, 1993, 57, 820S.	2.2	92
108	Spelt (Triticum aestivumssp.spelta) as a Source of Breadmaking Flours and Bran Naturally Enriched in Oleic Acid and Minerals but Not Phytic Acid. Journal of Agricultural and Food Chemistry, 2005, 53, 2751-2759.	2.4	92

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109	Modulation of the Gut Microbiota by Nutrients with Prebiotic and Probiotic Properties. Advances in Nutrition, 2014, 5, 624S-633S.	2.9	92
110	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
111	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
112	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
113	Increased gut permeability in cancer cachexia: mechanisms and clinical relevance. Oncotarget, 2018, 9, 18224-18238.	0.8	90
114	Current level of consensus on probiotic science-Report of an expert meeting- London, 23 November 2009. Gut Microbes, 2010, 1, 436-439.	4.3	89
115	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
116	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
117	GLUT2 and the incretin receptors are involved in glucose-induced incretin secretion. Molecular and Cellular Endocrinology, 2007, 276, 18-23.	1.6	86
118	Metformin. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 294-301.	1.3	84
119	Contribution of the gut microbiota to the regulation of host metabolism and energy balance: a focus on the gutâ€“liver axis. Proceedings of the Nutrition Society, 2019, 78, 319-328.	0.4	84
120	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
121	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
122	Novel insight into the role of microbiota in colorectal surgery. Gut, 2017, 66, 738-749.	6.1	82
123	Gut microbiota modulation with long-chain corn bran arabinoxylan in adults with overweight and obesity is linked to an individualized temporal increase in fecal propionate. Microbiome, 2020, 8, 118.	4.9	81
124	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
125	Oligofructose modulates lipid metabolism alterations induced by a fat-rich diet in rats. , 1998, 18, 47-53.		77
126	Nutritional interest of dietary fiber and prebiotics in obesity: Lessons from the MyNewGut consortium. Clinical Nutrition, 2020, 39, 414-424.	2.3	77

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127	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
128	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
129	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
130	Klebsiella oxytoca expands in cancer cachexia and acts as a gut pathobiont contributing to intestinal dysfunction. Scientific Reports, 2018, 8, 12321.	1.6	71
131	Carbohydrates and insulin resistance in clinical nutrition: Recommendations from the ESPEN expert group. Clinical Nutrition, 2017, 36, 355-363.	2.3	68
132	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
133	Central Apelin Controls Glucose Homeostasisviaa Nitric Oxide-Dependent Pathway in Mice. Antioxidants and Redox Signaling, 2011, 15, 1477-1496.	2.5	66
134	A role for the peripheral immune system in the development of alcohol use disorders?. Neuropharmacology, 2017, 122, 148-160.	2.0	66
135	Biomarkers for assessment of intestinal permeability in clinical practice. American Journal of Physiology - Renal Physiology, 2021, 321, G11-G17.	1.6	65
136	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
137	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
138	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
139	Inulin and oligofructose modulate lipid metabolism in animals: review of biochemical events and future prospects. British Journal of Nutrition, 2002, 87, 255-259.	1.2	59
140	Growth inhibition of transplantable mouse tumors by non-digestible carbohydrates. , 1997, 71, 1109-1112.		58
141	Reduction in hepatic cytochrome P-450 is correlated to the degree of liver fat content in animal models of steatosis in the absence of inflammation. Journal of Hepatology, 1998, 28, 410-416.	1.8	58
142	The Loss of Metabolic Control on Alcohol Drinking in Heavy Drinking Alcohol-Dependent Subjects. PLoS ONE, 2012, 7, e38682.	1.1	58
143	Effect on Components of the Intestinal Microflora and Plasma Neuropeptide Levels of Feeding Lactobacillus delbrueckii, Bifidobacterium lactis, and Inulin to Adult and Elderly Rats. Applied and Environmental Microbiology, 2006, 72, 6533-6538.	1.4	55
144	Increased Serpina3n release into circulation during glucocorticoidâ€mediated muscle atrophy. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 929-946.	2.9	53

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145	A new model of acute liver steatosis induced in rats by fasting followed by refeeding a high carbohydrate-fat free diet. Biochemical and morphological analysis.. Journal of Hepatology, 1997, 26, 880-885.	1.8	51
146	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
147	Potential interest of gut microbial changes induced by non-digestible carbohydrates of wheat in the management of obesity and related disorders. Current Opinion in Clinical Nutrition and Metabolic Care, 2010, 13, 722-728.	1.3	50
148	A dysbiotic subpopulation of alcohol-dependent subjects. Gut Microbes, 2015, 6, 388-391.	4.3	49
149	Spirulina Protects against Hepatic Inflammation in Aging: An Effect Related to the Modulation of the Gut Microbiota?. Nutrients, 2017, 9, 633.	1.7	49
150	Spelt (Triticum speltaL.) and Winter Wheat (Triticum aestivumL.) Wholemeals Have Similar Sterol Profiles, As Determined by Quantitative Liquid Chromatography and Mass Spectrometry Analysis. Journal of Agricultural and Food Chemistry, 2004, 52, 4802-4807.	2.4	48
151	SREBP-1 regulates the expression of heme oxygenase 1 and the phosphatidylinositol-3 kinase regulatory subunit p55Î³. Journal of Lipid Research, 2007, 48, 1628-1636.	2.0	48
152	No causal link between obesity and probiotics. Nature Reviews Microbiology, 2009, 7, 901-901.	13.6	48
153	Ability of the gut microbiota to produce PUFAâ€derived bacterial metabolites: Proof of concept in germâ€free versus conventionalized mice. Molecular Nutrition and Food Research, 2015, 59, 1603-1613.	1.5	48
154	Effect of non-digestible fermentable carbohydrates on hepatic fatty acid metabolism. Biochemical Society Transactions, 1998, 26, 228-231.	1.6	47
155	Sirtuin inhibition attenuates the production of inflammatory cytokines in lipopolysaccharide-stimulated macrophages. Biochemical and Biophysical Research Communications, 2012, 420, 857-861.	1.0	47
156	Can prebiotics and probiotics improve therapeutic outcomes for undernourished individuals?. Gut Microbes, 2014, 5, 74-82.	4.3	47
157	The Potential Role of the Dipeptidyl Peptidase-4-Like Activity From the Gut Microbiota on the Host Health. Frontiers in Microbiology, 2018, 9, 1900.	1.5	47
158	Dietary Fructans Modulate Polyamine Concentration in the Cecum of Rats. Journal of Nutrition, 2000, 130, 2456-2460.	1.3	46
159	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
160	Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased Akkermansia muciniphila in Mice. Nutrients, 2020, 12, 2932.	1.7	45
161	The nuclear receptor FXR inhibits Glucagon-Like Peptide-1 secretion in response to microbiota-derived Short-Chain Fatty Acids. Scientific Reports, 2020, 10, 174.	1.6	45
162	Curcuma longa Extract Associated with White Pepper Lessens High Fat Diet-Induced Inflammation in Subcutaneous Adipose Tissue. PLoS ONE, 2013, 8, e81252.	1.1	44

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