Laure B Bindels

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8975065/publications.pdf

Version: 2024-02-01

106	11,659	53751 45	29127 104
papers	citations	h-index	g-index

107	107	107	15830
all docs	docs citations	times ranked	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	Bile acids contribute to the development of non-alcoholic steatohepatitis in mice. JHEP Reports, 2022, 4, 100387.	2.6	28
3	Crosstalk between bile acid-activated receptors and microbiome in entero-hepatic inflammation. Trends in Molecular Medicine, 2022, 28, 223-236.	3.5	58
4	Interactions entre les traitements du diabÃ¨te et le microbiote intestinalÂ: Ã©tat des connaissances et perspectives. Medecine Des Maladies Metaboliques, 2022, 16, 148-159.	0.1	1
5	Iron supplementation is sufficient to rescue skeletal muscle mass and function in cancer cachexia. EMBO Reports, 2022, 23, e53746.	2.0	26
6	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
7	Activin A Causes Muscle Atrophy through MEF2C-Dependent Impaired Myogenesis. Cells, 2022, 11, 1119.	1.8	6
8	Restoring an adequate dietary fiber intake by inulin supplementation: a pilot study showing an impact on gut microbiota and sociability in alcohol use disorder patients. Gut Microbes, 2022, 14, 2007042.	4.3	15
9	Microbiota and Metabolite Profiling as Markers of Mood Disorders: A Cross-Sectional Study in Obese Patients. Nutrients, 2022, 14, 147.	1.7	6
10	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
11	The RNA-binding protein tristetraprolin regulates RALDH2 expression by intestinal dendritic cells and controls local Treg homeostasis. Mucosal Immunology, 2021, 14, 80-91.	2.7	4
12	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
13	Gut microbiota alteration in a mouse model of Anorexia Nervosa. Clinical Nutrition, 2021, 40, 181-189.	2.3	40
14	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
15	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
16	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
17	Hepatoprotective Effects of Indole, a Gut Microbial Metabolite, in Leptin-Deficient Obese Mice. Journal of Nutrition, 2021, 151, 1507-1516.	1.3	27
18	Prebiotic Effect of Berberine and Curcumin Is Associated with the Improvement of Obesity in Mice. Nutrients, 2021, 13, 1436.	1.7	22

#	Article	IF	Citations
19	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
20	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
21	Effects of probiotics and synbiotics on diarrhea in undernourished children: Systematic review with meta-analysis. Clinical Nutrition, 2021, 40, 3158-3169.	2.3	19
22	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
23	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
24	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
25	Inflammationâ€induced cholestasis in cancer cachexia. Journal of Cachexia, Sarcopenia and Muscle, 2021, 12, 70-90.	2.9	24
26	Growth differentiation factor-15 and the association between type 2 diabetes and liver fibrosis in NAFLD. Nutrition and Diabetes, 2021, 11, 32.	1.5	13
27	Bile Acid Dysregulation Is Intrinsically Related to Cachexia in Tumor-Bearing Mice. Cancers, 2021, 13, 6389.	1.7	4
28	Food for thought about manipulating gut bacteria. Nature, 2020, 577, 32-34.	13.7	16
29	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
30	StearidonicâEnriched Soybean Oil Modulates Obesity, Glucose Metabolism, and Fatty Acid Profiles Independently of Akkermansia muciniphila. Molecular Nutrition and Food Research, 2020, 64, e2000162.	1.5	8
31	Cachexia, a Systemic Disease beyond Muscle Atrophy. International Journal of Molecular Sciences, 2020, 21, 8592.	1.8	22
32	Predictors of tacrolimus pharmacokinetic variability: current evidences and future perspectives. Expert Opinion on Drug Metabolism and Toxicology, 2020, 16, 769-782.	1.5	19
33	Metabolite profiling reveals the interaction of chitin-glucan with the gut microbiota. Gut Microbes, 2020, 12, 1810530.	4.3	31
34	Marked Increased Production of Acute Phase Reactants by Skeletal Muscle during Cancer Cachexia. Cancers, 2020, 12, 3221.	1.7	7
35	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
36	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

#	Article	IF	Citations
37	Discovery of the gut microbial signature driving the efficacy of prebiotic intervention in obese patients. Gut, 2020, 69, 1975-1987.	6.1	141
38	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
39	Gut microbiota and osteoarthritis management: An expert consensus of the European society for clinical and economic aspects of osteoporosis, osteoarthritis and musculoskeletal diseases (ESCEO). Ageing Research Reviews, 2019, 55, 100946.	5.0	103
40	Milk Polar Lipids in a Highâ€Fat Diet Can Prevent Body Weight Gain: Modulated Abundance of Gut Bacteria in Relation with Fecal Loss of Specific Fatty Acids. Molecular Nutrition and Food Research, 2019, 63, e1801078.	1.5	35
41	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
42	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
43	Chitinâ€“glucan and pomegranate polyphenols improve endothelial dysfunction. Scientific Reports, 2019, 9, 14150.	1.6	25
44	Targeting the Gut Microbiota to Treat Cachexia. Frontiers in Cellular and Infection Microbiology, 2019, 9, 305.	1.8	28
45	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
46	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
47	A Preventive Prebiotic Supplementation Improves the Sweet Taste Perception in Diet-Induced Obese Mice. Nutrients, 2019, 11, 549.	1.7	17
48	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
49	Contribution of gut microbiotaâ€“host cooperation to drug efficacy. Nature Reviews Gastroenterology and Hepatology, 2018, 15, 69-70.	8.2	10
50	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
51	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
52	Polyunsaturated fatty acids, polyphenols, amino acids, prebiotics. Current Opinion in Clinical Nutrition and Metabolic Care, 2018, 21, 458-464.	1.3	6
53	Commensal Escherichia coli Strains Can Promote Intestinal Inflammation via Differential Interleukin-6 Production. Frontiers in Immunology, 2018, 9, 2318.	2.2	80
54	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

#	Article	IF	Citations
55	Design and rationale of the INSYTE study: A randomised, placebo controlled study to test the efficacy of a synbiotic on liver fat, disease biomarkers and intestinal microbiota in non-alcoholic fatty liver disease. Contemporary Clinical Trials, 2018, 71, 113-123.	0.8	31
56	The gut microbiota metabolite indole alleviates liver inflammation in mice. FASEB Journal, 2018, 32, 6681-6693.	0.2	137
57	Microbiome metabolomics reveals new drivers of human liver steatosis. Nature Medicine, 2018, 24, 906-907.	15.2	25
58	Inulin Improves Postprandial Hypertriglyceridemia by Modulating Gene Expression in the Small Intestine. Nutrients, 2018, 10, 532.	1.7	24
59	Increased Serpina3n release into circulation during glucocorticoidâ€mediated muscle atrophy. Journal of Cachexia, Sarcopenia and Muscle, 2018, 9, 929-946.	2.9	53
60	Klebsiella oxytoca expands in cancer cachexia and acts as a gut pathobiont contributing to intestinal dysfunction. Scientific Reports, 2018, 8, 12321.	1.6	71
61	Increased gut permeability in cancer cachexia: mechanisms and clinical relevance. Oncotarget, 2018, 9, 18224-18238.	0.8	90
62	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
63	Galactooligosaccharide supplementation provides protection against Citrobacter rodentium-induced colitis without limiting pathogen burden. Microbiology (United Kingdom), 2018, 164, 154-162.	0.7	20
64	Implication of trans-11,trans-13 conjugated linoleic acid in the development of hepatic steatosis. PLoS ONE, 2018, 13, e0192447.	1.1	8
65	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
66	Resistant starch can improve insulin sensitivity independently of the gut microbiota. Microbiome, 2017, 5, 12.	4.9	113
67	Low-dose penicillin in early life induces long-term changes in murine gut microbiota, brain cytokines and behavior. Nature Communications, 2017, 8, 15062.	5.8	329
68	How do probiotics and prebiotics function at distant sites?. Beneficial Microbes, 2017, 8, 521-533.	1.0	61
69	Ffar2 expression regulates leukaemic cell growth in vivo. British Journal of Cancer, 2017, 117, 1336-1340.	2.9	12
70	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
71	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
72	A gut pathobiont synergizes with the microbiota to instigate inflammatory disease marked by immunoreactivity against other symbionts but not itself. Scientific Reports, 2017, 7, 17707.	1.6	41

#	Article	IF	Citations
73	Spirulina Protects against Hepatic Inflammation in Aging: An Effect Related to the Modulation of the Gut Microbiota?. Nutrients, 2017, 9, 633.	1.7	49
74	Intestinal Sucrase as a Novel Target Contributing to the Regulation of Glycemia by Prebiotics. PLoS ONE, 2016, 11, e0160488.	1.1	27
75	Disparate Metabolic Responses in Mice Fed a High-Fat Diet Supplemented with Maize-Derived Non-Digestible Feruloylated Oligo- and Polysaccharides Are Linked to Changes in the Gut Microbiota. PLoS ONE, 2016, 11, e0146144.	1.1	43
76	Colonic acetate in obesity: location matters!. Clinical Science, 2016, 130, 2083-2086.	1.8	7
77	Nutrition in cancer patients with cachexia: A role for the gut microbiota?. Clinical Nutrition Experimental, 2016, 6, 74-82.	2.0	16
78	Synbiotic approach restores intestinal homeostasis and prolongs survival in leukaemic mice with cachexia. ISME Journal, 2016, 10, 1456-1470.	4.4	149
79	Prebiotics: why definitions matter. Current Opinion in Biotechnology, 2016, 37, 1-7.	3.3	326
80	Lack of anti-inflammatory effect of coenzyme Q10 supplementation in the liver of rodents after lipopolysaccharide challenge. Clinical Nutrition Experimental, 2015, 1, 10-18.	2.0	4
81	Resistant starches for the management of metabolic diseases. Current Opinion in Clinical Nutrition and Metabolic Care, 2015, 18, 559-565.	1.3	84
82	Intake of Lactobacillus reuteri Improves Incretin and Insulin Secretion in Glucose-Tolerant Humans: A Proof of Concept. Diabetes Care, 2015, 38, 1827-1834.	4.3	194
83	Gut microorganisms as promising targets for the management of type 2 diabetes. Diabetologia, 2015, 58, 2206-2217.	2.9	220
84	Towards a more comprehensive concept for prebiotics. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 303-310.	8.2	679
85	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
86	Ganoderma lucidum, a new prebiotic agent to treat obesity?. Nature Reviews Gastroenterology and Hepatology, 2015, 12, 553-554.	8.2	39
87	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
88	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
89	Can prebiotics and probiotics improve therapeutic outcomes for undernourished individuals?. Gut Microbes, 2014, 5, 74-82.	4.3	47
90	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. Nature Communications, 2014, 5, 5648.	5.8	197

#	Article	IF	Citations
91	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
92	Evaluation of the relationship between GPR43 and adiposity in human. Nutrition and Metabolism, 2013, 10, 11.	1.3	40
93	Muscle wasting: The gut microbiota as a new therapeutic target?. International Journal of Biochemistry and Cell Biology, 2013, 45, 2186-2190.	1.2	143
94	GPR43/FFA2: physiopathological relevance and therapeutic prospects. Trends in Pharmacological Sciences, 2013, 34, 226-232.	4.0	172
95	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
96	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
97	Restoring Specific Lactobacilli Levels Decreases Inflammation and Muscle Atrophy Markers in an Acute Leukemia Mouse Model. PLoS ONE, 2012, 7, e37971.	1.1	186
98	Gut microbiota-derived propionate reduces cancer cell proliferation in the liver. British Journal of Cancer, 2012, 107, 1337-1344.	2.9	238
99	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
100	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
101	Lipid peroxidation is not a prerequisite for the development of obesity and diabetes in high-fat-fed mice. British Journal of Nutrition, 2009, 102, 462-469.	1.2	27
102	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
103	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
104	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
105	Hepatic steatosis in n-3 fatty acid depleted mice: focus on metabolic alterations related to tissue fatty acid composition. BMC Physiology, 2008, 8, 21.	3.6	42
106	Immunomodulatory properties of two wheat bran fractions â€“ aleurone-enriched and crude fractions â€“ in obese mice fed a high fat diet. International Immunopharmacology, 2008, 8, 1423-1432.	1.7	27