

Matthias Van Hul

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

7,114
citations

159358

30
h-index

168136

53
g-index

55
all docs

55
docs citations

55
times ranked

9152
citing authors

#	ARTICLE	IF	CITATIONS
1	A purified membrane protein from <i>Akkermansia muciniphila</i> or the pasteurized bacterium improves metabolism in obese and diabetic mice. <i>Nature Medicine</i> , 2017, 23, 107-113.	15.2	1,451
2	Supplementation with <i>Akkermansia muciniphila</i> in overweight and obese human volunteers: a proof-of-concept exploratory study. <i>Nature Medicine</i> , 2019, 25, 1096-1103.	15.2	1,281
3	Gut microbiome and health: mechanistic insights. <i>Gut</i> , 2022, 71, 1020-1032.	6.1	661
4	Microbial regulation of organismal energy homeostasis. <i>Nature Metabolism</i> , 2019, 1, 34-46.	5.1	354
5	MFN2 mutation distribution and genotype/phenotype correlation in Charcot-Marie-Tooth type 2. <i>Brain</i> , 2006, 129, 2093-2102.	3.7	351
6	Endocannabinoids at the crossroads between the gut microbiota and host metabolism. <i>Nature Reviews Endocrinology</i> , 2016, 12, 133-143.	4.3	275
7	Intestinal epithelial MyD88 is a sensor switching host metabolism towards obesity according to nutritional status. <i>Nature Communications</i> , 2014, 5, 5648.	5.8	197
8	From correlation to causality: the case of <i>Subdoligranulum</i> . <i>Gut Microbes</i> , 2020, 12, 1849998.	4.3	192
9	Osteoblast recruitment to sites of bone formation in skeletal development, homeostasis, and regeneration. <i>Birth Defects Research Part C: Embryo Today Reviews</i> , 2013, 99, 170-191.	3.6	154
10	Adipose tissue NAPE-PLD controls fat mass development by altering the browning process and gut microbiota. <i>Nature Communications</i> , 2015, 6, 6495.	5.8	144
11	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> , 2017, 61, 1500899.	1.5	138
12	Pasteurized <i>Akkermansia muciniphila</i> increases whole-body energy expenditure and fecal energy excretion in diet-induced obese mice. <i>Gut Microbes</i> , 2020, 11, 1231-1245.	4.3	134
13	Novel opportunities for next-generation probiotics targeting metabolic syndrome. <i>Current Opinion in Biotechnology</i> , 2015, 32, 21-27.	3.3	127
14	Hepatocyte MyD88 affects bile acids, gut microbiota and metabolome contributing to regulate glucose and lipid metabolism. <i>Gut</i> , 2017, 66, 620-632.	6.1	125
15	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> , 2018, 314, E334-E352.	1.8	119
16	Bacteria-derived long chain fatty acid exhibits anti-inflammatory properties in colitis. <i>Gut</i> , 2021, 70, 1088-1097.	6.1	105
17	Intestinal epithelial N-acylphosphatidylethanolamine phospholipase D links dietary fat to metabolic adaptations in obesity and steatosis. <i>Nature Communications</i> , 2019, 10, 457.	5.8	100
18	<i>Dysosmobacter welbionis</i> is a newly isolated human commensal bacterium preventing diet-induced obesity and metabolic disorders in mice. <i>Gut</i> , 2022, 71, 534-543.	6.1	95

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19	Novel insights into the genetically obese (ob/ob) and diabetic (db/db) mice: two sides of the same coin. <i>Microbiome</i> , 2021, 9, 147.	4.9	92
20	Increased gut permeability in cancer cachexia: mechanisms and clinical relevance. <i>Oncotarget</i> , 2018, 9, 18224-18238.	0.8	90
21	Gut microbiome, endocrine control of gut barrier function and metabolic diseases. <i>Journal of Endocrinology</i> , 2021, 248, R67-R82.	1.2	85
22	CD36 promotes adipocyte differentiation and adipogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012, 1820, 949-956.	1.1	82
23	A polyphenolic extract from green tea leaves activates fat browning in high-fat-diet-induced obese mice. <i>Journal of Nutritional Biochemistry</i> , 2017, 49, 15-21.	1.9	64
24	Activation of Skeletal Stem and Progenitor Cells for Bone Regeneration Is Driven by PDGFR β Signaling. <i>Developmental Cell</i> , 2019, 51, 236-254.e12.	3.1	64
25	Targeting Carbohydrates and Polyphenols for a Healthy Microbiome and Healthy Weight. <i>Current Nutrition Reports</i> , 2019, 8, 307-316.	2.1	50
26	Gut Microbiota and Host Metabolism: From Proof of Concept to Therapeutic Intervention. <i>Microorganisms</i> , 2021, 9, 1302.	1.6	46
27	Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased <i>Akkermansia muciniphila</i> in Mice. <i>Nutrients</i> , 2020, 12, 2932.	1.7	45
28	Novel strategy for oral peptide delivery in incretin-based diabetes treatment. <i>Gut</i> , 2020, 69, 911-919.	6.1	41
29	Gelatinase A (MMP-2) promotes murine adipogenesis. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2015, 1850, 1449-1456.	1.1	39
30	Mediterranean diet, gut microbiota and health: when age and calories do not add up!. <i>Gut</i> , 2020, 69, 1167-1168.	6.1	35
31	Gut microbes participate in food preference alterations during obesity. <i>Gut Microbes</i> , 2021, 13, 1959242.	4.3	35
32	Matrix metalloproteinase inhibition impairs murine adipose tissue development independently of leptin. <i>Endocrine Journal</i> , 2011, 58, 101-107.	0.7	30
33	Toxicological safety evaluation of pasteurized <i>Akkermansia muciniphila</i> . <i>Journal of Applied Toxicology</i> , 2021, 41, 276-290.	1.4	30
34	Gelatinase B (MMP-9) deficiency does not affect murine adipose tissue development. <i>Thrombosis and Haemostasis</i> , 2010, 104, 165-171.	1.8	29
35	Caloric restriction improves coagulation and inflammation profile in obese mice. <i>Thrombosis Research</i> , 2012, 129, 74-79.	0.8	29
36	Gut microbiota and regulation of myokine-adipokine function. <i>Current Opinion in Pharmacology</i> , 2020, 52, 9-17.	1.7	29

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37	Comparison of the effects of soluble corn fiber and fructooligosaccharides on metabolism, inflammation, and gut microbiome of high-fat diet-fed mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E779-E791.	1.8	19
38	Gut microbiota and obesity: causally linked?. <i>Expert Review of Gastroenterology and Hepatology</i> , 2020, 14, 401-403.	1.4	19
39	Hepatic NAPE-PLD Is a Key Regulator of Liver Lipid Metabolism. <i>Cells</i> , 2020, 9, 1247.	1.8	17
40	Role of Thrombospondinâ€² in Murine Adipose Tissue Angiogenesis and Development. <i>Obesity</i> , 2012, 20, 1757-1762.	1.5	16
41	Obesity and tripleâ€negativeâ€breastâ€cancer: Is apelin a new key target?. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 10233-10244.	1.6	16
42	Hepatic MyD88 regulates liver inflammation by altering synthesis of oxysterols. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E99-E108.	1.8	15
43	Intestinal NAPE-PLD contributes to short-term regulation of food intake via gut-to-brain axis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E647-E657.	1.8	14
44	Combined endogenous MR biomarkers to predict basal tumor oxygenation and response to hyperoxic challenge. <i>NMR in Biomedicine</i> , 2017, 30, e3836.	1.6	13
45	Exploring the endocannabinoidome in genetically obese (ob/ob) and diabetic (db/db) mice: Links with inflammation and gut microbiota. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2022, 1867, 159056.	1.2	12
46	Microbial signatures in metabolic tissues: a novel paradigm for obesity and diabetes?. <i>Nature Metabolism</i> , 2020, 2, 211-212.	5.1	11
47	Differential effects of a gelatinase inhibitor on adipocyte differentiation and adipose tissue development. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013, 40, n/a-n/a.	0.9	10
48	Effect of weight loss on gelatinase levels in obese mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 647-649.	0.9	9
49	Matrix metalloproteinase inhibition affects adipose tissue mass in obese mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 544-550.	0.9	9
50	Do diet and microbes really â€PREDICTâ€™™ cardiometabolic risks?. <i>Nature Reviews Endocrinology</i> , 2021, 17, 259-260.	4.3	7
51	Nutritional depletion in ω -3 PUFA in apoE knockâ€out mice: A new model of endothelial dysfunction associated with fatty liver disease. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2198-2207.	1.5	4
52	Acetate: Friend or foe against breast tumour growth in the context of obesity?. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 14195-14204.	1.6	4
53	The colonoscopic leakage model: a new model to study the intestinal wound healing at molecular level. <i>Gut</i> , 2020, 69, 2071-2073.	6.1	1
54	La prÃ©paration colique en chirurgie colorectale. <i>Praticien En Anesthesie Reanimation</i> , 2020, 24, 35-40.	0.0	0

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55	Gut microbiome, endocrine control of gut barrier function and metabolic diseases. Journal of Endocrinology, 2021, 250, X1.	1.2	0