

Gwen Falony

List of Publications by Year in descending order

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Version: 2024-02-01

71
papers

24,757
citations

61984

43
h-index

95266

68
g-index

79
all docs

79
docs citations

79
times ranked

27723
citing authors

#	ARTICLE	IF	CITATIONS
1	<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.	12.1	95
2	FLEXiGUT: Rationale for exposomics associations with chronic low-grade gut inflammation. <i>Environment International</i> , 2022, 158, 106906.	10.0	7
3	Impairment of gut microbial biotin metabolism and host biotin status in severe obesity: effect of biotin and prebiotic supplementation on improved metabolism. <i>Gut</i> , 2022, 71, 2463-2480.	12.1	53
4	Microbiome and metabolome features of the cardiometabolic disease spectrum. <i>Nature Medicine</i> , 2022, 28, 303-314.	30.7	102
5	The virota and its transkingdom interactions in the healthy infant gut. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2114619119.	7.1	30
6	Variation and transmission of the human gut microbiota across multiple familial generations. <i>Nature Microbiology</i> , 2022, 7, 87-96.	13.3	32
7	Effect of cryopreservation medium conditions on growth and isolation of gut anaerobes from human faecal samples. <i>Microbiome</i> , 2022, 10, .	11.1	6
8	Large-scale association analyses identify host factors influencing human gut microbiome composition. <i>Nature Genetics</i> , 2021, 53, 156-165.	21.4	676
9	Human and preclinical studies of the host-gut microbiome co-metabolite hippurate as a marker and mediator of metabolic health. <i>Gut</i> , 2021, 70, 2105-2114.	12.1	58
10	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.	11.1	92
11	Benchmarking microbiome transformations favors experimental quantitative approaches to address compositionality and sampling depth biases. <i>Nature Communications</i> , 2021, 12, 3562.	12.8	30
12	Effect of obesity on gastrointestinal transit, pressure and pH using a wireless motility capsule. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2021, 167, 1-8.	4.3	16
13	Specific contributions of segmental transit times to gut microbiota composition. <i>Gut</i> , 2021, , gutjnl-2021-325916.	12.1	4
14	Combinatorial, additive and dose-dependent drug-microbiome associations. <i>Nature</i> , 2021, 600, 500-505.	27.8	102
15	Successional Stages in Infant Gut Microbiota Maturation. <i>MBio</i> , 2021, 12, e0185721.	4.1	48
16	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. <i>Nature Communications</i> , 2020, 11, 5881.	12.8	122
17	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. <i>Nature</i> , 2020, 581, 310-315.	27.8	283
18	Genome-wide associations of human gut microbiome variation and implications for causal inference analyses. <i>Nature Microbiology</i> , 2020, 5, 1079-1087.	13.3	144

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19	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.	30.7	1,281
20	Quantitative microbiome profiling disentangles inflammation- and bile duct obstruction-associated microbiota alterations across PSC/IBD diagnoses. <i>Nature Microbiology</i> , 2019, 4, 1826-1831.	13.3	149
21	The human microbiome in health and disease: hype or hope. <i>Acta Clinica Belgica</i> , 2019, 74, 53-64.	1.2	34
22	The neuroactive potential of the human gut microbiota in quality of life and depression. <i>Nature Microbiology</i> , 2019, 4, 623-632.	13.3	1,206
23	Population-level analysis of <i>Blastocystis</i> subtype prevalence and variation in the human gut microbiota. <i>Gut</i> , 2019, 68, 1180-1189.	12.1	149
24	Gut microbiota dynamics and uraemic toxins: one size does not fit all. <i>Gut</i> , 2019, 68, 2257.1-2260.	12.1	37
25	Practical guidelines for gut microbiome analysis in microbiota-gut-brain axis research. <i>Behavioral and Brain Sciences</i> , 2019, 42, .	0.7	1
26	Richness and ecosystem development across faecal snapshots of the gut microbiota. <i>Nature Microbiology</i> , 2018, 3, 526-528.	13.3	81
27	Butyrate Producers as Potential Next-Generation Probiotics: Safety Assessment of the Administration of <i>Butyricoccus pullicaecorum</i> to Healthy Volunteers. <i>MSystems</i> , 2018, 3, .	3.8	99
28	A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. <i>Nature Communications</i> , 2018, 9, 4630.	12.8	124
29	Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes. <i>Frontiers in Microbiology</i> , 2018, 9, 31.	3.5	45
30	Beyond <i>Oxalobacter</i> : the gut microbiota and kidney stone formation. <i>Gut</i> , 2018, 67, 2078-2079.	12.1	5
31	Integrated culturing, modeling and transcriptomics uncovers complex interactions and emergent behavior in a three-species synthetic gut community. <i>ELife</i> , 2018, 7, .	6.0	62
32	Prebiotic inulin-type fructans induce specific changes in the human gut microbiota. <i>Gut</i> , 2017, 66, 1968-1974.	12.1	370
33	Therapeutic Manipulation of the Gut Microbiota Through Diet to Reduce Intestinal Inflammation: Results from the FIT Trial. <i>Gastroenterology</i> , 2017, 152, S1.	1.3	5
34	Profiling of the Fecal Microbiota and Metabolome in Patients with Inflammatory Bowel Disease and their Unaffected Relatives. <i>Gastroenterology</i> , 2017, 152, S991.	1.3	0
35	P774 Metagenomics and metabolomics of patients with inflammatory bowel disease and their unaffected relatives. <i>Journal of Crohn's and Colitis</i> , 2017, 11, S476-S477.	1.3	1
36	Water activity does not shape the microbiota in the human colon. <i>Gut</i> , 2017, 66, 1865-1866.	12.1	9

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37	Quantitative microbiome profiling links gut community variation to microbial load. <i>Nature</i> , 2017, 551, 507-511.	27.8	791
38	P767 The FIT trial: anti-inflammatory dietary intervention effects on the intestinal microbiota. <i>Journal of Crohn's and Colitis</i> , 2017, 11, S473-S473.	1.3	1
39	Practical considerations for large-scale gut microbiome studies. <i>FEMS Microbiology Reviews</i> , 2017, 41, S154-S167.	8.6	142
40	The Probiotic <i>Butyricoccus pullicaecorum</i> Reduces Feed Conversion and Protects from Potentially Harmful Intestinal Microorganisms and Necrotic Enteritis in Broilers. <i>Frontiers in Microbiology</i> , 2016, 7, 1416.	3.5	99
41	Faecal Metaproteomic Analysis Reveals a Personalized and Stable Functional Microbiome and Limited Effects of a Probiotic Intervention in Adults. <i>PLoS ONE</i> , 2016, 11, e0153294.	2.5	70
42	Long-Term Effect of Erythritol on Dental Caries Development during Childhood: A Posttreatment Survival Analysis. <i>Caries Research</i> , 2016, 50, 579-588.	2.0	35
43	Primary sclerosing cholangitis is characterised by intestinal dysbiosis independent from IBD. <i>Gut</i> , 2016, 65, 1681-1689.	12.1	312
44	Tu1713 Host-Microbiome Interactions in Primary Sclerosing Cholangitis. <i>Gastroenterology</i> , 2016, 150, S927-S928.	1.3	0
45	Su1909 Genetic Risk for Crohn's Disease has Little Impact on Intestinal Microbiota Composition. <i>Gastroenterology</i> , 2016, 150, S585-S586.	1.3	0
46	Towards biome-specific analysis of meta-omics data. <i>ISME Journal</i> , 2016, 10, 1025-1028.	9.8	72
47	Population-based metagenomics analysis reveals markers for gut microbiome composition and diversity. <i>Science</i> , 2016, 352, 565-569.	12.6	1,398
48	Population-level analysis of gut microbiome variation. <i>Science</i> , 2016, 352, 560-564.	12.6	1,716
49	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016, 535, 376-381.	27.8	1,506
50	Speciesâ€“function relationships shape ecological properties of the human gut microbiome. <i>Nature Microbiology</i> , 2016, 1, 16088.	13.3	279
51	Meta-omics in Inflammatory Bowel Disease Research: Applications, Challenges, and Guidelines. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 735-746.	1.3	37
52	Stool consistency is strongly associated with gut microbiota richness and composition, enterotypes and bacterial growth rates. <i>Gut</i> , 2016, 65, 57-62.	12.1	737
53	Perspectives and pitfalls of microbiome research through home based fecal sampling: the Flemish Gut Flora Project experience. <i>Archives of Public Health</i> , 2015, 73, .	2.4	1
54	Interindividual differences in response to treatment with butyrate-producing <i>Butyricoccus pullicaecorum</i> 25â€“3T studied in an in vitro gut model. <i>FEMS Microbiology Ecology</i> , 2015, 91, .	2.7	50

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55	Microbiology Meets Big Data: The Case of Gut Microbiotaâ€œDerived Trimethylamine. Annual Review of Microbiology, 2015, 69, 305-321.	7.3	133
56	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. Nature, 2015, 528, 262-266.	27.8	1,627
57	Effect of Erythritol and Xylitol on Dental Caries Prevention in Children. Caries Research, 2014, 48, 482-490.	2.0	51
58	Richness of human gut microbiome correlates with metabolic markers. Nature, 2013, 500, 541-546.	27.8	3,641
59	A metagenome-wide association study of gut microbiota in type 2 diabetes. Nature, 2012, 490, 55-60.	27.8	5,345
60	Species Diversity, Community Dynamics, and Metabolite Kinetics of the Microbiota Associated with Traditional Ecuadorian Spontaneous Cocoa Bean Fermentations. Applied and Environmental Microbiology, 2011, 77, 7698-7714.	3.1	128
61	Comparison of the bacterial species diversity of spontaneous cocoa bean fermentations carried out at selected farms in Ivory Coast and Brazil. Food Microbiology, 2011, 28, 964-973.	4.2	93
62	The prebiotic, oligofructoseâ€œenriched inulin modulates the faecal metabolite profile: An<i>in vitro</i> analysis. Molecular Nutrition and Food Research, 2010, 54, 1791-1801.	3.3	44
63	In Vitro Kinetic Analysis of Fermentation of Prebiotic Inulin-Type Fructans by <i>Bifidobacterium</i> Species Reveals Four Different Phenotypes. Applied and Environmental Microbiology, 2009, 75, 454-461.	3.1	106
64	In Vitro Kinetics of Prebiotic Inulin-Type Fructan Fermentation by Butyrate-Producing Colon Bacteria: Implementation of Online Gas Chromatography for Quantitative Analysis of Carbon Dioxide and Hydrogen Gas Production. Applied and Environmental Microbiology, 2009, 75, 5884-5892.	3.1	73
65	Coculture Fermentations of <i>Bifidobacterium</i> Species and <i>Bacteroides thetaiotaomicron</i> Reveal a Mechanistic Insight into the Prebiotic Effect of Inulin-Type Fructans. Applied and Environmental Microbiology, 2009, 75, 2312-2319.	3.1	99
66	Volatile analysis of spoiled, artisan-type, modified-atmosphere-packaged cooked ham stored under different temperatures. Food Microbiology, 2009, 26, 94-102.	4.2	76
67	Ecological Interactions of Bacteria in the Human Gut. , 2009, , 639-679.		6
68	Probiotics in fermented sausages. Meat Science, 2008, 80, 75-78.	5.5	141
69	Latest Developments in Probiotics. , 2008, , 217-229.		12
70	Letter to the Editor. Journal of Applied Microbiology, 2006, 100, 1388-1389.	3.1	8
71	Cross-Feeding between <i>Bifidobacterium longum</i> BB536 and Acetate-Converting, Butyrate-Producing Colon Bacteria during Growth on Oligofructose. Applied and Environmental Microbiology, 2006, 72, 7835-7841.	3.1	296