Trine Nielsen

List of Publications by Year in Descending Order

30 papers	12,287 citations	20 h-index	33 g-index
33 ext. papers	15,930 ext. citations	21.8 avg, IF	5.03 L-index

#	Paper	IF	Citations
30	Impairment of gut microbial biotin metabolism and host biotin status in severe obesity: effect of biotin and prebiotic supplementation on improved metabolism.. *Gut*, **2022**,	19.2	5
29	Microbiome and metabolome features of the cardiometabolic disease spectrum.. *Nature Medicine*, **2022**,	50.5	4
28	Combinatorial, additive and dose-dependent drug-microbiome associations. *Nature*, **2021**,	50.4	11
27	A Previously Undescribed Highly Prevalent Phage Identified in a Danish Enteric Virome Catalog. *MSystems*, **2021**, 6, e0038221	7.6	0
26	Human and preclinical studies of the host-gut microbiome co-metabolite hippurate as a marker and mediator of metabolic health. *Gut*, **2021**, 70, 2105-2114	19.2	13
25	Conjugated C-6 hydroxylated bile acids in serum relate to human metabolic health and gut Clostridia species. *Scientific Reports*, **2021**, 11, 13252	4.9	0
24	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. *Nature*, **2020**, 581, 310-315	50.4	100
23	Describing the fecal metabolome in cryogenically collected samples from healthy participants. *Scientific Reports*, **2020**, 10, 885	4.9	8
22	Comparative Studies of the Gut Microbiota in the Offspring of Mothers With and Without Gestational Diabetes. *Frontiers in Cellular and Infection Microbiology*, **2020**, 10, 536282	5.9	4
21	Imidazole propionate is increased in diabetes and associated with dietary patterns and altered microbial ecology. *Nature Communications*, **2020**, 11, 5881	17.4	29
20	Extracellular Vesicle Encapsulated MicroRNAs in Patients with Type 2 Diabetes Are Affected by Metformin Treatment. *Journal of Clinical Medicine*, **2019**, 8,	5.1	26
19	Metformin-induced changes of the gut microbiota in healthy young men: results of a non-blinded, one-armed intervention study. *Diabetologia*, **2019**, 62, 1024-1035	10.3	79
18	Impact of a vegan diet on the human salivary microbiota. *Scientific Reports*, **2018**, 8, 5847	4.9	50
17	Aberrant intestinal microbiota in individuals with prediabetes. *Diabetologia*, **2018**, 61, 810-820	10.3	163
16	Gestational diabetes is associated with change in the gut microbiota composition in third trimester of pregnancy and postpartum. *Microbiome*, **2018**, 6, 89	16.6	155
15	A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. *Nature Communications*, **2018**, 9, 4630	17.4	69
14	Population-based studies of relationships between dietary acidity load, insulin resistance and incident diabetes in Danes. *Nutrition Journal*, **2018**, 17, 91	4.3	9

List of Publications

13	A computational framework to integrate high-throughput comicscdatasets for the identification of potential mechanistic links. *Nature Protocols*, **2018**, 13, 2781-2800	18.8	44
12	Recovery of gut microbiota of healthy adults following antibiotic exposure. *Nature Microbiology*, **2018**, 3, 1255-1265	26.6	246
11	Dietary Assessment in the MetaCardis Study: Development and Relative Validity of an Online Food Frequency Questionnaire. *Journal of the Academy of Nutrition and Dietetics*, **2017**, 117, 878-888	3.9	18
10	Human gut microbes impact host serum metabolome and insulin sensitivity. *Nature*, **2016**, 535, 376-81	50.4	977
9	Transcriptional interactions suggest niche segregation among microorganisms in the human gut. *Nature Microbiology*, **2016**, 1, 16152	26.6	38
8	Roux-en-Y gastric bypass surgery of morbidly obese patients induces swift and persistent changes of the individual gut microbiota. *Genome Medicine*, **2016**, 8, 67	14.4	187
7	Alterations in fecal microbiota composition by probiotic supplementation in healthy adults: a systematic review of randomized controlled trials. *Genome Medicine*, **2016**, 8, 52	14.4	290
6	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. *Nature*, **2015**, 528, 262-266	50.4	1107
5	Mechanisms in endocrinology: Gut microbiota in patients with type 2 diabetes mellitus. *European Journal of Endocrinology*, **2015**, 172, R167-77	6.5	119
4	Identification and assembly of genomes and genetic elements in complex metagenomic samples without using reference genomes. *Nature Biotechnology*, **2014**, 32, 822-8	44.5	624
3	An integrated catalog of reference genes in the human gut microbiome. *Nature Biotechnology*, **2014**, 32, 834-41	44.5	1088
2	Richness of human gut microbiome correlates with metabolic markers. *Nature*, **2013**, 500, 541-6	50.4	2584
1	Enterotypes of the human gut microbiome. *Nature*, **2011**, 473, 174-80	50.4	4240