Tommi Vatanen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/7635714/publications.pdf

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43 papers	10,821 citations	201674 27 h-index	243625 44 g-index
52 all docs	52 docs citations	52 times ranked	14593 citing authors

#	Article	IF	Citations
1	Effect of prophylactic dextrose gel on the neonatal gut microbiome. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 501-507.	2.8	3
2	Transcription shifts in gut bacteria shared between mothers and their infants. Scientific Reports, 2022, 12, 1276.	3.3	7
3	Factors Associated With the Microbiome in Moderateâ€“Late Preterm Babies: A Cohort Study From the DIAMOND Randomized Controlled Trial. Frontiers in Cellular and Infection Microbiology, 2021, 11, 595323.	3.9	10
4	Strain engraftment competition and functional augmentation in a multi-donor fecal microbiota transplantation trial for obesity. Microbiome, 2021, 9, 107.	11.1	55
5	Structure-based protein function prediction using graph convolutional networks. Nature Communications, 2021, 12, 3168.	12.8	300
6	Oral administration of maternal vaginal microbes at birth to restore gut microbiome development in infants born by caesarean section: A pilot randomised placebo-controlled trial. EBioMedicine, 2021, 69, 103443.	6.1	58
7	Higher circulating EGF levels associate with a decreased risk of IgE sensitization in young children. Pediatric Allergy and Immunology, 2021, , .	2.6	1
8	Phages in the Gut Ecosystem. Frontiers in Cellular and Infection Microbiology, 2021, 11, 822562.	3.9	30
9	Desacetyl-Î±-MSH and Î±-MSH have sex specific interactions with diet to influence mouse gut morphology, metabolites and microbiota. Scientific Reports, 2020, 10, 18957.	3.3	3
10	Linking Strain Engraftment in Fecal Microbiota Transplantation With Maintenance of Remission in Crohnâ€™s Disease. Gastroenterology, 2020, 159, 2193-2202.e5.	1.3	41
11	High prevalence of undiagnosed comorbidities among adolescents with obesity. Scientific Reports, 2020, 10, 20101.	3.3	10
12	The microbial biogeography of the gastrointestinal tract of preterm and term lambs. Scientific Reports, 2020, 10, 9113.	3.3	8
13	Differences in Compositions of Gut Bacterial Populations and Bacteriophages in 5â€“11 Year-Olds Born Preterm Compared to Full Term. Frontiers in Cellular and Infection Microbiology, 2020, 10, 276.	3.9	9
14	Randomised Double-Blind Placebo-Controlled Trial of Inulin with Metronidazole in Non-Alcoholic Fatty Liver Disease (NAFLD). Nutrients, 2020, 12, 937.	4.1	35
15	Effects of Fecal Microbiome Transfer in Adolescents With Obesity. JAMA Network Open, 2020, 3, e2030415.	5.9	76
16	Bayesian mixed effects models for zero-inflated compositions in microbiome data analysis. Annals of Applied Statistics, 2020, 14, .	1.1	7
17	The Super-Donor Phenomenon in Fecal Microbiota Transplantation. Frontiers in Cellular and Infection Microbiology, 2019, 9, 2.	3.9	262
18	An additive Gaussian process regression model for interpretable non-parametric analysis of longitudinal data. Nature Communications, 2019, 10, 1798.	12.8	68

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19	Protocol for the Gut Bugs Trial: a randomised double-blind placebo-controlled trial of gut microbiome transfer for the treatment of obesity in adolescents. BMJ Open, 2019, 9, e026174.	1.9	16
20	Genomic variation and strain-specific functional adaptation in the human gut microbiome during early life. Nature Microbiology, 2019, 4, 470-479.	13.3	164
21	Gut microbiome structure and metabolic activity in inflammatory bowel disease. Nature Microbiology, 2019, 4, 293-305.	13.3	1,094
22	Temporal development of the gut microbiome in early childhood from the TEDDY study. Nature, 2018, 562, 583-588.	27.8	1,220
23	The human gut microbiome in early-onset type 1 diabetes from the TEDDY study. Nature, 2018, 562, 589-594.	27.8	623
24	High-throughput automated microfluidic sample preparation for accurate microbial genomics. Nature Communications, 2017, 8, 13919.	12.8	81
25	Intestinal virome changes precede autoimmunity in type I diabetes-susceptible children. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E6166-E6175.	7.1	227
26	Experimental design and quantitative analysis of microbial community multiomics. Genome Biology, 2017, 18, 228.	8.8	143
27	A novel Ruminococcus gnavus clade enriched in inflammatory bowel disease patients. Genome Medicine, 2017, 9, 103.	8.2	478
28	Dysbiosis, inflammation, and response to treatment: a longitudinal study of pediatric subjects with newly diagnosed inflammatory bowel disease. Genome Medicine, 2016, 8, 75.	8.2	211
29	Variation in Microbiome LPS Immunogenicity Contributes to Autoimmunity in Humans. Cell, 2016, 165, 842-853.	28.9	968
30	Population-based metagenomics analysis reveals markers for gut microbiome composition and diversity. Science, 2016, 352, 565-569.	12.6	1,398
31	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. Cell Host and Microbe, 2016, 20, 121.	11.0	7
32	The effect of host genetics on the gut microbiome. Nature Genetics, 2016, 48, 1407-1412.	21.4	672
33	Natural history of the infant gut microbiome and impact of antibiotic treatment on bacterial strain diversity and stability. Science Translational Medicine, 2016, 8, 343ra81.	12.4	763
34	Increased Intestinal Microbial Diversity Following Fecal Microbiota Transplant for Active CrohnÊ¼s Disease. Inflammatory Bowel Diseases, 2016, 22, 2182-2190.	1.9	175
35	The influence of a short-term gluten-free diet on the human gut microbiome. Genome Medicine, 2016, 8, 45.	8.2	198
36	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. Cell Host and Microbe, 2015, 17, 260-273.	11.0	1,008

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37	Self-organization and missing values in SOM and GTM. Neurocomputing, 2015, 147, 60-70.	5.9	84
38	Controlling Self-Organization and Handling Missing Values in SOM and GTM. Advances in Intelligent Systems and Computing, 2013, , 55-64.	0.6	3
39	Paths of Wellbeing on Self-Organizing Maps. Advances in Intelligent Systems and Computing, 2013, , 345-352.	0.6	4
40	Pushing Stochastic Gradient towards Second-Order Methods â€“ Backpropagation Learning with Transformations in Nonlinearities. Lecture Notes in Computer Science, 2013, , 442-449.	1.3	18
41	Semi-supervised anomaly detection â€“ towards model-independent searches of new physics. Journal of Physics: Conference Series, 2012, 368, 012032.	0.4	20
42	Semi-supervised detection of collective anomalies with an application in high energy particle physics. , 2012, , .		10
43	Soft Classification of Diffractive Interactions at the LHC. , 2011, , .		0