

Kristoffer Forslund

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

34,469
citations

50276

46
h-index

56724

83
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93
all docs

93
docs citations

93
times ranked

55550
citing authors

#	ARTICLE	IF	CITATIONS
1	STRING v10: protein-protein interaction networks, integrated over the tree of life. <i>Nucleic Acids Research</i> , 2015, 43, D447-D452.	14.5	9,029
2	The Pfam protein families database. <i>Nucleic Acids Research</i> , 2012, 40, D290-D301.	14.5	3,306
3	The Pfam protein families database. <i>Nucleic Acids Research</i> , 2010, 38, D211-D222.	14.5	2,693
4	eggNOG 5.0: a hierarchical, functionally and phylogenetically annotated orthology resource based on 5090 organisms and 2502 viruses. <i>Nucleic Acids Research</i> , 2019, 47, D309-D314.	14.5	2,575
5	Fast Genome-Wide Functional Annotation through Orthology Assignment by eggNOG-Mapper. <i>Molecular Biology and Evolution</i> , 2017, 34, 2115-2122.	8.9	2,156
6	eggNOG 4.5: a hierarchical orthology framework with improved functional annotations for eukaryotic, prokaryotic and viral sequences. <i>Nucleic Acids Research</i> , 2016, 44, D286-D293.	14.5	1,937
7	Disentangling type 2 diabetes and metformin treatment signatures in the human gut microbiota. <i>Nature</i> , 2015, 528, 262-266.	27.8	1,627
8	Human gut microbes impact host serum metabolome and insulin sensitivity. <i>Nature</i> , 2016, 535, 376-381.	27.8	1,506
9	Structure and function of the global topsoil microbiome. <i>Nature</i> , 2018, 560, 233-237.	27.8	1,370
10	Salt-responsive gut commensal modulates TH17 axis and disease. <i>Nature</i> , 2017, 551, 585-589.	27.8	896
11	InParanoid 7: new algorithms and tools for eukaryotic orthology analysis. <i>Nucleic Acids Research</i> , 2010, 38, D196-D203.	14.5	576
12	Intestinal microbiome is related to lifetime antibiotic use in Finnish pre-school children. <i>Nature Communications</i> , 2016, 7, 10410.	12.8	557
13	eggNOG v4.0: nested orthology inference across 3686 organisms. <i>Nucleic Acids Research</i> , 2014, 42, D231-D239.	14.5	526
14	Recovery of gut microbiota of healthy adults following antibiotic exposure. <i>Nature Microbiology</i> , 2018, 3, 1255-1265.	13.3	483
15	Short-Chain Fatty Acid Propionate Protects From Hypertensive Cardiovascular Damage. <i>Circulation</i> , 2019, 139, 1407-1421.	1.6	452
16	Propionic Acid Shapes the Multiple Sclerosis Disease Course by an Immunomodulatory Mechanism. <i>Cell</i> , 2020, 180, 1067-1080.e16.	28.9	367
17	Country-specific antibiotic use practices impact the human gut resistome. <i>Genome Research</i> , 2013, 23, 1163-1169.	5.5	356
18	Statin therapy is associated with lower prevalence of gut microbiota dysbiosis. <i>Nature</i> , 2020, 581, 310-315.	27.8	283

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19	Similarity of the dog and human gut microbiomes in gene content and response to diet. <i>Microbiome</i> , 2018, 6, 72.	11.1	211
20	Standardized benchmarking in the quest for orthologs. <i>Nature Methods</i> , 2016, 13, 425-430.	19.0	198
21	MOCAT2: a metagenomic assembly, annotation and profiling framework. <i>Bioinformatics</i> , 2016, 32, 2520-2523.	4.1	172
22	Reporting guidelines for human microbiome research: the STORMS checklist. <i>Nature Medicine</i> , 2021, 27, 1885-1892.	30.7	170
23	Unravelling the collateral damage of antibiotics on gut bacteria. <i>Nature</i> , 2021, 599, 120-124.	27.8	159
24	proGenomes: a resource for consistent functional and taxonomic annotations of prokaryotic genomes. <i>Nucleic Acids Research</i> , 2017, 45, D529-D534.	14.5	131
25	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
26	Gut Microbiome Composition in Obese and Non-Obese Persons: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2022, 14, 12.	4.1	121
27	Subspecies in the global human gut microbiome. <i>Molecular Systems Biology</i> , 2017, 13, 960.	7.2	115
28	Fasting alters the gut microbiome reducing blood pressure and body weight in metabolic syndrome patients. <i>Nature Communications</i> , 2021, 12, 1970.	12.8	108
29	Combinatorial, additive and dose-dependent drug-microbiome associations. <i>Nature</i> , 2021, 600, 500-505.	27.8	102
30	Microbiome and metabolome features of the cardiometabolic disease spectrum. <i>Nature Medicine</i> , 2022, 28, 303-314.	30.7	102
31	RTK: efficient rarefaction analysis of large datasets. <i>Bioinformatics</i> , 2017, 33, 2594-2595.	4.1	100
32	Domain Tree-Based Analysis of Protein Architecture Evolution. <i>Molecular Biology and Evolution</i> , 2008, 25, 254-264.	8.9	98
33	The Gut Microbiome in Hypertension. <i>Circulation Research</i> , 2021, 128, 934-950.	4.5	86
34	Towards the biogeography of prokaryotic genes. <i>Nature</i> , 2022, 601, 252-256.	27.8	85
35	Predicting protein function from domain content. <i>Bioinformatics</i> , 2008, 24, 1681-1687.	4.1	83
36	A computational framework to integrate high-throughput omics datasets for the identification of potential mechanistic links. <i>Nature Protocols</i> , 2018, 13, 2781-2800.	12.0	82

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37	Metagenomic insights into the human gut resistome and the forces that shape it. <i>BioEssays</i> , 2014, 36, 316-329.	2.5	76
38	Metabolomic and microbiome profiling reveals personalized risk factors for coronary artery disease. <i>Nature Medicine</i> , 2022, 28, 295-302.	30.7	74
39	Antibiotics-induced monodominance of a novel gut bacterial order. <i>Gut</i> , 2019, 68, 1781-1790.	12.1	73
40	Gut microbiota differs between children with Inflammatory Bowel Disease and healthy siblings in taxonomic and functional composition: a metagenomic analysis. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, G327-G339.	3.4	69
41	S100A8 and S100A9 Are Important for Postnatal Development of Gut Microbiota and Immune System in Mice and Infants. <i>Gastroenterology</i> , 2020, 159, 2130-2145.e5.	1.3	64
42	proGenomes2: an improved database for accurate and consistent habitat, taxonomic and functional annotations of prokaryotic genomes. <i>Nucleic Acids Research</i> , 2020, 48, D621-D625.	14.5	60
43	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
44	QNet: An Agglomerative Method for the Construction of Phylogenetic Networks from Weighted Quartets. <i>Molecular Biology and Evolution</i> , 2006, 24, 532-538.	8.9	56
45	Domain architecture conservation in orthologs. <i>BMC Bioinformatics</i> , 2011, 12, 326.	2.6	54
46	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
47	Transposase-DNA Complex Structures Reveal Mechanisms for Conjugative Transposition of Antibiotic Resistance. <i>Cell</i> , 2018, 173, 208-220.e20.	28.9	51
48	Evolution of Protein Domain Architectures. <i>Methods in Molecular Biology</i> , 2012, 856, 187-216.	0.9	47
49	The Gut Microbiome in Myalgic Encephalomyelitis (ME)/Chronic Fatigue Syndrome (CFS). <i>Frontiers in Immunology</i> , 2021, 12, 628741.	4.8	42
50	Quantifying technical confounders in microbiome studies. <i>Cardiovascular Research</i> , 2021, 117, 863-875.	3.8	40
51	Gearing up to handle the mosaic nature of life in the quest for orthologs. <i>Bioinformatics</i> , 2018, 34, 323-329.	4.1	36
52	Phosphodiesterase 3A and Arterial Hypertension. <i>Circulation</i> , 2020, 142, 133-149.	1.6	35
53	Elevated aldosterone and blood pressure in a mouse model of familial hyperaldosteronism with <i>Clc-2</i> mutation. <i>Nature Communications</i> , 2019, 10, 5155.	12.8	34
54	The gut microbiota is associated with the small intestinal paracellular permeability and the development of the immune system in healthy children during the first two years of life. <i>Journal of Translational Medicine</i> , 2021, 19, 177.	4.4	34

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55	Landscape of mobile genetic elements and their antibiotic resistance cargo in prokaryotic genomes. <i>Nucleic Acids Research</i> , 2022, 50, 3155-3168.	14.5	34
56	Salt Transiently Inhibits Mitochondrial Energetics in Mononuclear Phagocytes. <i>Circulation</i> , 2021, 144, 144-158.	1.6	32
57	Metagenomic analysis of gut microbial communities from a Central Asian population. <i>BMJ Open</i> , 2018, 8, e021682.	1.9	31
58	Evolution of Protein Domain Architectures. <i>Methods in Molecular Biology</i> , 2019, 1910, 469-504.	0.9	30
59	Orthology confers intron position conservation. <i>BMC Genomics</i> , 2010, 11, 412.	2.8	29
60	Quest for Orthologs Entails Quest for Tree of Life: In Search of the Gene Stream. <i>Genome Biology and Evolution</i> , 2015, 7, 1988-1999.	2.5	25
61	Skin Sodium Accumulates in Psoriasis and Reflects Disease Severity. <i>Journal of Investigative Dermatology</i> , 2022, 142, 166-178.e8.	0.7	20
62	A novel exploratory method for visual recombination detection. <i>Genome Biology</i> , 2003, 4, R33.	9.6	19
63	Domainoid: domain-oriented orthology inference. <i>BMC Bioinformatics</i> , 2019, 20, 523.	2.6	17
64	OrthoDisease: tracking disease gene orthologs across 100 species. <i>Briefings in Bioinformatics</i> , 2011, 12, 463-473.	6.5	16
65	Enhanced Ca ²⁺ signaling, mild primary aldosteronism, and hypertension in a familial hyperaldosteronism mouse model (<i>Cacna1h</i> ^{M1560V/+}). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	15
66	A Phylogeny-Based Benchmarking Test for Orthology Inference Reveals the Limitations of Function-Based Validation. <i>PLoS ONE</i> , 2014, 9, e111122.	2.5	14
67	Benchmarking the next generation of homology inference tools. <i>Bioinformatics</i> , 2016, 32, 2636-2641.	4.1	14
68	B-cell lymphoma/leukaemia 10 and angiotensin II-induced kidney injury. <i>Cardiovascular Research</i> , 2020, 116, 1059-1070.	3.8	12
69	Benchmarking homology detection procedures with low complexity filters. <i>Bioinformatics</i> , 2009, 25, 2500-2505.	4.1	11
70	Precarious Symbiosis Between Host and Microbiome in Cardiovascular Health. <i>Hypertension</i> , 2019, 73, 926-935.	2.7	10
71	Blood pressure changes correlate with short-chain fatty acid production potential shifts under a synbiotic intervention. <i>Cardiovascular Research</i> , 2020, 116, 1252-1253.	3.8	10
72	Protein Intake, Metabolic Status and the Gut Microbiota in Different Ethnicities: Results from Two Independent Cohorts. <i>Nutrients</i> , 2021, 13, 3159.	4.1	6

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73	Identification and Characterization of Human Observational Studies in Nutritional Epidemiology on Gut Microbiomics for Joint Data Analysis. <i>Nutrients</i> , 2021, 13, 3292.	4.1	6
74	Individuality and temporal stability of the human gut microbiome. <i>Central Asian Journal of Global Health</i> , 2013, 2, 120.	0.6	6
75	Constructing Phylogenetic Supernetworks from Quartets. <i>Lecture Notes in Computer Science</i> , 2008, , 284-295.	1.3	4
76	Dynamic Changes in Microbiome Composition Following Maternal Milk Intake for Prevention of Collateral Antibiotic Effect. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 622735.	3.9	3
77	Increased Salt Intake Decreases Diet-Induced Thermogenesis in Healthy Volunteers: A Randomized Placebo-Controlled Study. <i>Nutrients</i> , 2022, 14, 253.	4.1	3
78	A Semi-supervised Approach to Discover Bivariate Causality in Large Biological Data. <i>Lecture Notes in Computer Science</i> , 2018, , 406-420.	1.3	1
79	Hitchhiker's guide to microbiome studies. <i>Cardiovascular Research</i> , 2020, 116, e44-e47.	3.8	1
80	Using Unlabeled Data to Discover Bivariate Causality with Deep Restricted Boltzmann Machines. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2020, 17, 358-364.	3.0	0
81	Abstract P372: The Effect of Periodic Fasting on Patients With Hypertension and Metabolic Syndrome. <i>Hypertension</i> , 2018, 72, .	2.7	0