

Matthias Scholz

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

6,553
citations

318942

23
h-index

445137

33
g-index

39
all docs

39
docs citations

39
times ranked

12395
citing authors

#	ARTICLE	IF	CITATIONS
1	Impact of wheat aleurone on biomarkers of cardiovascular disease, gut microbiota and metabolites in adults with high body mass index: a double-blind, placebo-controlled, randomized clinical trial. <i>European Journal of Nutrition</i> , 2022, 61, 2651-2671.	1.8	5
2	Gut microbiota associations with diet in irritable bowel syndrome and the effect of low FODMAP diet and probiotics. <i>Clinical Nutrition</i> , 2021, 40, 1861-1870.	2.3	44
3	Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. <i>Gastroenterology</i> , 2021, 160, 158-173.e10.	0.6	95
4	Integrating taxonomic, functional, and strain-level profiling of diverse microbial communities with bioBakery 3. <i>ELife</i> , 2021, 10, .	2.8	808
5	Large scale genome reconstructions illuminate Wolbachia evolution. <i>Nature Communications</i> , 2020, 11, 5235.	5.8	71
6	Manipulation of Dietary Amino Acids Prevents and Reverses Obesity in Mice Through Multiple Mechanisms That Modulate Energy Homeostasis. <i>Diabetes</i> , 2020, 69, 2324-2339.	0.3	25
7	Impact of proanthocyanidin-rich apple intake on gut microbiota composition and polyphenol metabolomic activity in healthy mildly hypercholesterolemic subjects. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	0.4	3
8	Food & Nutrition: The driving factors of our gut microbes. <i>Proceedings of the Nutrition Society</i> , 2020, 79, .	0.4	0
9	Two apples a day modulate human:microbiome co-metabolic processing of polyphenols, tyrosine and tryptophan. <i>European Journal of Nutrition</i> , 2020, 59, 3691-3714.	1.8	20
10	White wine light-strike fault: A comparison between flint and green glass bottles under the typical supermarket conditions. <i>Food Packaging and Shelf Life</i> , 2020, 24, 100492.	3.3	13
11	Effects of woody biochar on dry thermophilic anaerobic digestion of organic fraction of municipal solid waste. <i>Journal of Environmental Management</i> , 2020, 267, 110633.	3.8	25
12	Studying Vertical Microbiome Transmission from Mothers to Infants by Strain-Level Metagenomic Profiling. <i>MSystems</i> , 2017, 2, .	1.7	329
13	A Diet Low in FODMAPs Reduces Symptoms in Patients With Irritable Bowel Syndrome and A Probiotic Restores Bifidobacterium Species: A Randomized Controlled Trial. <i>Gastroenterology</i> , 2017, 153, 936-947.	0.6	315
14	Interference with ethylene perception at receptor level sheds light on auxin and transcriptional circuits associated with the climacteric ripening of apple fruit (<i>Malus x domestica</i> Borkh.). <i>Plant Journal</i> , 2016, 88, 963-975.	2.8	39
15	Metagenomic Sequencing with Strain-Level Resolution Implicates Uropathogenic <i>E.Âcoli</i> in Necrotizing Enterocolitis and Mortality in Preterm Infants. <i>Cell Reports</i> , 2016, 14, 2912-2924.	2.9	143
16	Strain-level microbial epidemiology and population genomics from shotgun metagenomics. <i>Nature Methods</i> , 2016, 13, 435-438.	9.0	328
17	Bifidobacteria exhibit social behavior through carbohydrate resource sharing in the gut. <i>Scientific Reports</i> , 2015, 5, 15782.	1.6	233
18	Computational Tools for Taxonomic Microbiome Profiling of Shotgun Metagenomes. , 2015, , 67-80.		5

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19	MetaPhlan2 for enhanced metagenomic taxonomic profiling. <i>Nature Methods</i> , 2015, 12, 902-903.	9.0	1,843
20	MetaDB a Data Processing Workflow in Untargeted MS-Based Metabolomics Experiments. <i>Frontiers in Bioengineering and Biotechnology</i> , 2014, 2, 72.	2.0	29
21	Stable Isotope Ratios and Aroma Profile Changes Induced Due to Innovative Wine Dealcoholisation Approaches. <i>Food and Bioprocess Technology</i> , 2014, 7, 62-70.	2.6	25
22	Metabonomic investigation of rat tissues following intravenous administration of cyanidin 3-glucoside at a physiologically relevant dose. <i>Metabolomics</i> , 2013, 9, 88-100.	1.4	20
23	A Metabolomic Approach to the Study of Wine Micro-Oxygenation. <i>PLoS ONE</i> , 2012, 7, e37783.	1.1	80
24	Validation of Nonlinear PCA. <i>Neural Processing Letters</i> , 2012, 36, 21-30.	2.0	49
25	LC-MS based global metabolite profiling of grapes: solvent extraction protocol optimisation. <i>Metabolomics</i> , 2012, 8, 175-185.	1.4	72
26	Heterosis manifestation during early Arabidopsis seedling development is characterized by intermediate gene expression and enhanced metabolic activity in the hybrids. <i>Plant Journal</i> , 2012, 71, 669-683.	2.8	117
27	Nonlinear Principal Component Analysis: Neural Network Models and Applications. <i>Lecture Notes in Computational Science and Engineering</i> , 2008, , 44-67.	0.1	91
28	A computational model of gene expression reveals early transcriptional events at the subtelomeric regions of the malaria parasite, Plasmodium falciparum. <i>Genome Biology</i> , 2008, 9, R88.	13.9	8
29	Integration of Metabolomic and Proteomic Phenotypes. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1725-1736.	2.5	155
30	pcaMethods a bioconductor package providing PCA methods for incomplete data. <i>Bioinformatics</i> , 2007, 23, 1164-1167.	1.8	944
31	Visualization and Analysis of Molecular Data. <i>Methods in Molecular Biology</i> , 2007, 358, 87-104.	0.4	25
32	Analysing Periodic Phenomena by Circular PCA. , 2007, , 38-47.		17
33	Integrated data analysis for genome-wide research. , 2007, 97, 309-329.		24
34	Correlative GC-TOF-MS-based metabolite profiling and LC-MS-based protein profiling reveal time-related systemic regulation of metabolite-protein networks and improve pattern recognition for multiple biomarker selection. <i>Metabolomics</i> , 2005, 1, 109-121.	1.4	97
35	Non-linear PCA: a missing data approach. <i>Bioinformatics</i> , 2005, 21, 3887-3895.	1.8	167
36	Metabolite fingerprinting: detecting biological features by independent component analysis. <i>Bioinformatics</i> , 2004, 20, 2447-2454.	1.8	254