

Christian Diener

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

4,821
citations

13
h-index

42
g-index

42
ext. papers

9,112
ext. citations

10.4
avg, IF

4.6
L-index

#	Paper	IF	Citations
26	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019 , 37, 852-857	44.5	4050
25	MEMOTE for standardized genome-scale metabolic model testing. <i>Nature Biotechnology</i> , 2020 , 38, 272-276	44.5	121
24	Use and abuse of correlation analyses in microbial ecology. <i>ISME Journal</i> , 2019 , 13, 2647-2655	11.9	81
23	Gut microbiome pattern reflects healthy ageing and predicts survival in humans. <i>Nature Metabolism</i> , 2021 , 3, 274-286	14.6	77
22	Distinct microbes, metabolites, and ecologies define the microbiome in deficient and proficient mismatch repair colorectal cancers. <i>Genome Medicine</i> , 2018 , 10, 78	14.4	69
21	MICOM: Metagenome-Scale Modeling To Infer Metabolic Interactions in the Gut Microbiota. <i>MSystems</i> , 2020 , 5,	7.6	48
20	Cell penetrating peptides and cationic antibacterial peptides: two sides of the same coin. <i>Journal of Biological Chemistry</i> , 2014 , 289, 14448-57	5.4	36
19	Synthesis of multi-omic data and community metabolic models reveals insights into the role of hydrogen sulfide in colon cancer. <i>Methods</i> , 2018 , 149, 59-68	4.6	35
18	Onset of immune senescence defined by unbiased pyrosequencing of human immunoglobulin mRNA repertoires. <i>PLoS ONE</i> , 2012 , 7, e49774	3.7	27
17	Memote: A community driven effort towards a standardized genome-scale metabolic model test suite		26
16	Effective Design of Multifunctional Peptides by Combining Compatible Functions. <i>PLoS Computational Biology</i> , 2016 , 12, e1004786	5	22
15	Yeast mating and image-based quantification of spatial pattern formation. <i>PLoS Computational Biology</i> , 2014 , 10, e1003690	5	19
14	Personalized Prediction of Proliferation Rates and Metabolic Liabilities in Cancer Biopsies. <i>Frontiers in Physiology</i> , 2016 , 7, 644	4.6	12
13	Genomic and functional characterization of a mucosal symbiont involved in early-stage colorectal cancer. <i>Cell Host and Microbe</i> , 2021 , 29, 1589-1598.e6	23.4	11
12	The space of enzyme regulation in HeLa cells can be inferred from its intracellular metabolome. <i>Scientific Reports</i> , 2016 , 6, 28415	4.9	10
11	A low number of SIC1 mRNA molecules ensures a low noise level in cell cycle progression of budding yeast. <i>Molecular BioSystems</i> , 2011 , 7, 2804-12		8
10	Baseline Gut Metagenomic Functional Gene Signature Associated with Variable Weight Loss Responses following a Healthy Lifestyle Intervention in Humans. <i>MSystems</i> , 2021 , 6, e0096421	7.6	6

9	What influences DNA replication rate in budding yeast?. <i>PLoS ONE</i> , 2010 , 5, e10203	3.7	5
8	Gut Microbiome Pattern Reflects Healthy Aging and Predicts Extended Survival in Humans		3
7	Antimicrobial Peptide against That Activates Autophagy Is an Effective Treatment for Tuberculosis. <i>Pharmaceutics</i> , 2020 , 12,	6.4	3
6	From taxonomy to metabolic output: what factors define gut microbiome health?. <i>Gut Microbes</i> , 2021 , 13, 1-20	8.8	3
5	Lettuce (<i>Lactuca sativa</i>) productivity influenced by microbial inocula under nitrogen-limited conditions in aquaponics. <i>PLoS ONE</i> , 2021 , 16, e0247534	3.7	3
4	MICOM: metagenome-scale modeling to infer metabolic interactions in the gut microbiota		2
3	Progressive Shifts in the Gut Microbiome Reflect Prediabetes and Diabetes Development in a Treatment-Naïve Mexican Cohort. <i>Frontiers in Endocrinology</i> , 2020 , 11, 602326	5.7	2
2	Negative plant-microbiome feedback limits productivity in aquaponics		1
1	Non-responder phenotype reveals apparent microbiome-wide antibiotic tolerance in the murine gut. <i>Communications Biology</i> , 2021 , 4, 316	6.7	1