Christian Diener

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5973117/publications.pdf

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		623734	526287
27	13,076	14	27
papers	citations	h-index	g-index

42	42	42	16676
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. Nature Biotechnology, 2019, 37, 852-857.	17.5	11,167
2	MEMOTE for standardized genome-scale metabolic model testing. Nature Biotechnology, 2020, 38, 272-276.	17.5	314
3	Gut microbiome pattern reflects healthy ageing and predicts survival in humans. Nature Metabolism, 2021, 3, 274-286.	11.9	278
4	Use and abuse of correlation analyses in microbial ecology. ISME Journal, 2019, 13, 2647-2655.	9.8	193
5	MICOM: Metagenome-Scale Modeling To Infer Metabolic Interactions in the Gut Microbiota. MSystems, 2020, 5, .	3.8	126
6	Distinct microbes, metabolites, and ecologies define the microbiome in deficient and proficient mismatch repair colorectal cancers. Genome Medicine, 2018, 10, 78.	8.2	107
7	Synthesis of multi-omic data and community metabolic models reveals insights into the role of hydrogen sulfide in colon cancer. Methods, 2018, 149, 59-68.	3.8	63
8	Cell Penetrating Peptides and Cationic Antibacterial Peptides. Journal of Biological Chemistry, 2014, 289, 14448-14457.	3.4	49
9	Genomic and functional characterization of a mucosal symbiont involved in early-stage colorectal cancer. Cell Host and Microbe, 2021, 29, 1589-1598.e6.	11.0	44
10	Effective Design of Multifunctional Peptides by Combining Compatible Functions. PLoS Computational Biology, 2016, 12, e1004786.	3.2	36
11	Onset of Immune Senescence Defined by Unbiased Pyrosequencing of Human Immunoglobulin mRNA Repertoires. PLoS ONE, 2012, 7, e49774.	2.5	30
12	Yeast Mating and Image-Based Quantification of Spatial Pattern Formation. PLoS Computational Biology, 2014, 10, e1003690.	3.2	25
13	Heterogeneity in statin responses explained by variation in the human gut microbiome. Med, 2022, 3, 388-405.e6.	4.4	21
14	From taxonomy to metabolic output: what factors define gut microbiome health?. Gut Microbes, 2021, 13, 1-20.	9.8	19
15	Baseline Gut Metagenomic Functional Gene Signature Associated with Variable Weight Loss Responses following a Healthy Lifestyle Intervention in Humans. MSystems, 2021, 6, e0096421.	3.8	19
16	Antimicrobial Peptide against Mycobacterium Tuberculosis That Activates Autophagy Is an Effective Treatment for Tuberculosis. Pharmaceutics, 2020, 12, 1071.	4.5	17
17	Personalized Prediction of Proliferation Rates and Metabolic Liabilities in Cancer Biopsies. Frontiers in Physiology, 2016, 7, 644.	2.8	16
18	The space of enzyme regulation in HeLa cells can be inferred from its intracellular metabolome. Scientific Reports, 2016, 6, 28415.	3.3	15

#	Article	IF	Citations
19	Lettuce (Lactuca sativa) productivity influenced by microbial inocula under nitrogen-limited conditions in aquaponics. PLoS ONE, 2021, 16, e0247534.	2.5	14
20	Progressive Shifts in the Gut Microbiome Reflect Prediabetes and Diabetes Development in a Treatment-Naive Mexican Cohort. Frontiers in Endocrinology, 2020, 11, 602326.	3.5	13
21	A low number of SIC1 mRNA molecules ensures a low noise level in cell cycle progression of budding yeast. Molecular BioSystems, 2011, 7, 2804.	2.9	9
22	Constraint-Based Reconstruction and Analyses of Metabolic Models: Open-Source Python Tools and Applications to Cancer. Frontiers in Oncology, 0, 12, .	2.8	6
23	What Influences DNA Replication Rate in Budding Yeast?. PLoS ONE, 2010, 5, e10203.	2.5	5
24	Editorial: Systems Biology and the Challenge of Deciphering the Metabolic Mechanisms Underlying Cancer. Frontiers in Physiology, 2017, 8, 537.	2.8	2
25	Non-responder phenotype reveals apparent microbiome-wide antibiotic tolerance in the murine gut. Communications Biology, 2021, 4, 316.	4.4	2
26	Experimental and Stochastic Model Analysis of the Influence of SIC1, CLN2 and CLB5 Transcriptional Noise on the Timing Regulation of G1/S Transition in S. Cerevisiae Cell-Cycle. Biophysical Journal, 2012, 102, 228a.	0.5	0
27	What Are Poop Transplants and How Do They Work?. Frontiers for Young Minds, 0, 9, .	0.8	0