

# Christian Diener

## List of Publications by Year in descending order

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

Version: 2024-02-01

27  
papers

13,076  
citations

623188

14  
h-index

525886

27  
g-index

42  
all docs

42  
docs citations

42  
times ranked

16676  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. <i>Nature Biotechnology</i> , 2019, 37, 852-857.   | 9.4 | 11,167    |
| 2  | MEMOTE for standardized genome-scale metabolic model testing. <i>Nature Biotechnology</i> , 2020, 38, 272-276.   | 9.4 | 314       |
| 3  | Gut microbiome pattern reflects healthy ageing and predicts survival in humans. <i>Nature Metabolism</i> , 2021, 3, 274-286.   | 5.1 | 278       |
| 4  | Use and abuse of correlation analyses in microbial ecology. <i>ISME Journal</i> , 2019, 13, 2647-2655.   | 4.4 | 193       |
| 5  | MICOM: Metagenome-Scale Modeling To Infer Metabolic Interactions in the Gut Microbiota. <i>MSystems</i> , 2020, 5, .   | 1.7 | 126       |
| 6  | Distinct microbes, metabolites, and ecologies define the microbiome in deficient and proficient mismatch repair colorectal cancers. <i>Genome Medicine</i> , 2018, 10, 78.                   | 3.6 | 107       |
| 7  | 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.                           | 1.9 | 63        |
| 8  | Cell Penetrating Peptides and Cationic Antibacterial Peptides. <i>Journal of Biological Chemistry</i> , 2014, 289, 14448-14457.  | 1.6 | 49        |
| 9  | 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.                              | 5.1 | 44        |
| 10 | Effective Design of Multifunctional Peptides by Combining Compatible Functions. <i>PLoS Computational Biology</i> , 2016, 12, e1004786.  | 1.5 | 36        |
| 11 | Onset of Immune Senescence Defined by Unbiased Pyrosequencing of Human Immunoglobulin mRNA Repertoires. <i>PLoS ONE</i> , 2012, 7, e49774.   | 1.1 | 30        |
| 12 | Yeast Mating and Image-Based Quantification of Spatial Pattern Formation. <i>PLoS Computational Biology</i> , 2014, 10, e1003690.  | 1.5 | 25        |
| 13 | Heterogeneity in statin responses explained by variation in the human gut microbiome. <i>Med</i> , 2022, 3, 388-405.e6.  | 2.2 | 21        |
| 14 | From taxonomy to metabolic output: what factors define gut microbiome health?. <i>Gut Microbes</i> , 2021, 13, 1-20.   | 4.3 | 19        |
| 15 | 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. | 1.7 | 19        |
| 16 | Antimicrobial Peptide against Mycobacterium Tuberculosis That Activates Autophagy Is an Effective Treatment for Tuberculosis. <i>Pharmaceutics</i> , 2020, 12, 1071.                         | 2.0 | 17        |
| 17 | Personalized Prediction of Proliferation Rates and Metabolic Liabilities in Cancer Biopsies. <i>Frontiers in Physiology</i> , 2016, 7, 644.  | 1.3 | 16        |
| 18 | The space of enzyme regulation in HeLa cells can be inferred from its intracellular metabolome. <i>Scientific Reports</i> , 2016, 6, 28415.  | 1.6 | 15        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Lettuce ( <i>Lactuca sativa</i> ) productivity influenced by microbial inocula under nitrogen-limited conditions in aquaponics. <i>PLoS ONE</i> , 2021, 16, e0247534.  | 1.1 | 14        |
| 20 | Progressive Shifts in the Gut Microbiome Reflect Prediabetes and Diabetes Development in a Treatment-Naive Mexican Cohort. <i>Frontiers in Endocrinology</i> , 2020, 11, 602326.   | 1.5 | 13        |
| 21 | 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.   | 2.9 | 9         |
| 22 | Constraint-Based Reconstruction and Analyses of Metabolic Models: Open-Source Python Tools and Applications to Cancer. <i>Frontiers in Oncology</i> , 0, 12, .   | 1.3 | 6         |
| 23 | What Influences DNA Replication Rate in Budding Yeast?. <i>PLoS ONE</i> , 2010, 5, e10203.   | 1.1 | 5         |
| 24 | Editorial: Systems Biology and the Challenge of Deciphering the Metabolic Mechanisms Underlying Cancer. <i>Frontiers in Physiology</i> , 2017, 8, 537.   | 1.3 | 2         |
| 25 | Non-responder phenotype reveals apparent microbiome-wide antibiotic tolerance in the murine gut. <i>Communications Biology</i> , 2021, 4, 316.   | 2.0 | 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 <i>S. Cerevisiae</i> Cell-Cycle. <i>Biophysical Journal</i> , 2012, 102, 228a. | 0.2 | 0         |
| 27 | What Are Poop Transplants and How Do They Work?. <i>Frontiers for Young Minds</i> , 0, 9, .  | 0.8 | 0         |