# Christian Diener

List of Publications by Year
in descending order

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

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

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Heterogeneity in statin responses explained by variation in the human gut microbiome. Med, 2022, 3, 388-405.e6. | 4.4 | 21 |
| 2 | From taxonomy to metabolic output: what factors define gut microbiome health?. Gut Microbes, 2021, 13, 1-20. | 9.8 | 19 |
| 3 | Lettuce (Lactuca sativa) productivity influenced by microbial inocula under nitrogen-limited conditions in aquaponics. PLoS ONE, 2021, 16, e0247534. | 2.5 | 14 |
| 4 | Gut microbiome pattern reflects healthy ageing and predicts survival in humans. Nature Metabolism, 2021, 3, 274-286. | 11.9 | 278 |
| 5 | Non-responder phenotype reveals apparent microbiome-wide antibiotic tolerance in the murine gut. Communications Biology, 2021, 4, 316. | 4.4 | 2 |
| 6 | 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 |
| 7 | 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 |
| 8 | Antimicrobial Peptide against Mycobacterium Tuberculosis That Activates Autophagy Is an Effective Treatment for Tuberculosis. Pharmaceutics, 2020, 12, 1071. | 4.5 | 17 |
| 9 | MEMOTE for standardized genome-scale metabolic model testing. Nature Biotechnology, 2020, 38, 272-276. | 17.5 | 314 |
| 10 | MICOM: Metagenome-Scale Modeling To Infer Metabolic Interactions in the Gut Microbiota. MSystems, 2020, 5, . | 3.8 | 126 |
| 11 | 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 |
| 12 | Reproducible, interactive, scalable and extensible microbiome data science using QIIME 2. Nature Biotechnology, 2019, 37, 852-857. | 17.5 | 11,167 |
| 13 | Use and abuse of correlation analyses in microbial ecology. ISME Journal, 2019, 13, 2647-2655. | 9.8 | 193 |
| 14 | 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 |
| 15 | Distinct microbes, metabolites, and ecologies define the microbiome in deficient and proficient mismatch repair colorectal cancers. Genome Medicine, 2018, 10, 78. | 8.2 | 107 |
| 16 | Editorial: Systems Biology and the Challenge of Deciphering the Metabolic Mechanisms Underlying Cancer. Frontiers in Physiology, 2017, 8, 537. | 2.8 | 2 |
| 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 | Effective Design of Multifunctional Peptides by Combining Compatible Functions. PLoS Computational Biology, 2016, 12, e1004786. | 3.2 | 36 |
| 20 | Yeast Mating and Image-Based Quantification of Spatial Pattern Formation. PLoS Computational Biology, 2014, 10, e1003690. | 3.2 | 25 |
| 21 | Cell Penetrating Peptides and Cationic Antibacterial Peptides. Journal of Biological Chemistry, 2014, 289, 14448-14457. | 3.4 | 49 |
| 22 | 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 |
| 23 | Onset of Immune Senescence Defined by Unbiased Pyrosequencing of Human Immunoglobulin mRNA Repertoires. PLoS ONE, 2012, 7, e49774. | 2.5 | 30 |
| 24 | 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 |
| 25 | What Influences DNA Replication Rate in Budding Yeast?. PLoS ONE, 2010, 5, e10203. | 2.5 | 5 |
| 26 | What Are Poop Transplants and How Do They Work?. Frontiers for Young Minds, 0, 9, . | 0.8 | 0 |
| 27 | Constraint-Based Reconstruction and Analyses of Metabolic Models: Open-Source Python Tools and Applications to Cancer. Frontiers in Oncology, 0, 12, . | 2.8 | 6 |