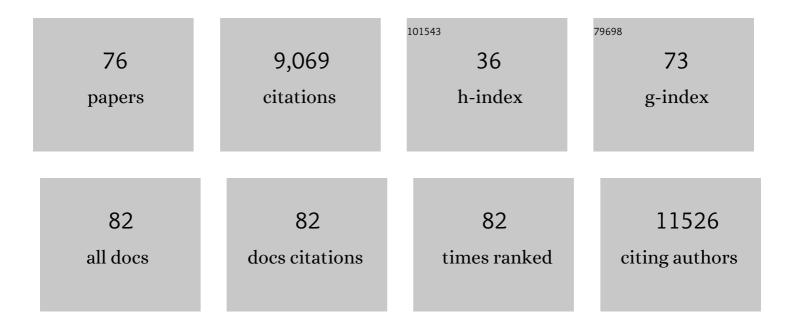
List of Publications by Year in descending order

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| # | Article | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Critical Assessment of Metagenome Interpretation: the second round of challenges. Nature Methods, 2022, 19, 429-440. | 19.0 | 133 |
| 2 | A genomic catalog of Earth's microbiomes. Nature Biotechnology, 2021, 39, 499-509. | 17.5 | 457 |
| 3 | Phytoplankton consortia as a blueprint for mutually beneficial eukaryote-bacteria ecosystems based on the biocoenosis of Botryococcus consortia. Scientific Reports, 2021, 11, 1726. | 3.3 | 12 |
| 4 | Identification of Beneficial Microbial Consortia and Bioactive Compounds with Potential as Plant Biostimulants for a Sustainable Agriculture. Microorganisms, 2021, 9, 426. | 3.6 | 37 |
| 5 | Tutorial: assessing metagenomics software with the CAMI benchmarking toolkit. Nature Protocols, 2021, 16, 1785-1801. | 12.0 | 36 |
| 6 | Going to extremes – a metagenomic journey into the dark matter of life. FEMS Microbiology Letters, 2021, 368, . | 1.8 | 16 |
| 7 | Haploflow: strain-resolved de novo assembly of viral genomes. Genome Biology, 2021, 22, 212. | 8.8 | 16 |
| 8 | Multiple Occurrences of a 168-Nucleotide Deletion in SARS-CoV-2 ORF8, Unnoticed by Standard Amplicon Sequencing and Variant Calling Pipelines. Viruses, 2021, 13, 1870. | 3.3 | 7 |
| 9 | Critical Assessment of MetaProteome Investigation (CAMPI): a multi-laboratory comparison of established workflows. Nature Communications, 2021, 12, 7305. | 12.8 | 34 |
| 10 | ConCysFind: a pipeline tool to predict conserved amino acids of protein sequences across the plant kingdom. BMC Bioinformatics, 2020, 21, 490. | 2.6 | 3 |
| 11 | The Role of Petrimonas mucosa ING2-E5AT in Mesophilic Biogas Reactor Systems as Deduced from Multiomics Analyses. Microorganisms, 2020, 8, 2024. | 3.6 | 23 |
| 12 | Importance of Defluviitalea raffinosedens for Hydrolytic Biomass Degradation in Co-Culture with Hungateiclostridium thermocellum. Microorganisms, 2020, 8, 915. | 3.6 | 13 |
| 13 | Impact of process temperature and organic loading rate on cellulolytic / hydrolytic biofilm microbiomes during biomethanation of ryegrass silage revealed by genome-centered metagenomics and metatranscriptomics. Environmental Microbiomes, 2020, 15, 7. | 5.0 | 13 |
| 14 | An Integrated Metagenome Catalog Reveals New Insights into the Murine Gut Microbiome. Cell Reports, 2020, 30, 2909-2922.e6. | 6.4 | 85 |
| 15 | Effect of Long-Term Farming Practices on Agricultural Soil Microbiome Members Represented by Metagenomically Assembled Genomes (MAGs) and Their Predicted Plant-Beneficial Genes. Genes, 2019, 10, 424. | 2.4 | 61 |
| 16 | CAMISIM: simulating metagenomes and microbial communities. Microbiome, 2019, 7, 17. | 11.1 | 117 |
| 17 | de.NBI Cloud federation through ELIXIR AAI. F1000Research, 2019, 8, 842. | 1.6 | 13 |
| 18 | Analyzing large scale genomic data on the cloud with Sparkhit. Bioinformatics, 2018, 34, 1457-1465. | 4.1 | 14 |

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|----|--|------|-----------|
| 19 | Targeted <i>inÂsitu</i> metatranscriptomics for selected taxa from mesophilic and thermophilic biogas plants. Microbial Biotechnology, 2018, 11, 667-679. | 4.2 | 43 |
| 20 | Invasion ecology applied to inoculation of plant growth promoting bacteria through a novel SIMPER-PCA approach. Plant and Soil, 2018, 422, 467-478. | 3.7 | 7 |
| 21 | Binning enables efficient host genome reconstruction in cnidarian holobionts. GigaScience, 2018, 7, . | 6.4 | 16 |
| 22 | Characterization of Bathyarchaeota genomes assembled from metagenomes of biofilms residing in mesophilic and thermophilic biogas reactors. Biotechnology for Biofuels, 2018, 11, 167. | 6.2 | 38 |
| 23 | AMBER: Assessment of Metagenome BinnERs. GigaScience, 2018, 7, . | 6.4 | 72 |
| 24 | Common ELIXIR Service for Researcher Authentication and Authorisation. F1000Research, 2018, 7, 1199. | 1.6 | 23 |
| 25 | Rapid protein alignment in the cloud: HAMOND combines fast DIAMOND alignments with Hadoop parallelism. Journal of Biotechnology, 2017, 257, 58-60. | 3.8 | 5 |
| 26 | Critical Assessment of Metagenome Interpretation—a benchmark of metagenomics software. Nature Methods, 2017, 14, 1063-1071. | 19.0 | 635 |
| 27 | Bioinformatics for NGS-based metagenomics and the application to biogas research. Journal of Biotechnology, 2017, 261, 10-23. | 3.8 | 84 |
| 28 | Genomics and prevalence of bacterial and archaeal isolates from biogas-producing microbiomes. Biotechnology for Biofuels, 2017, 10, 264. | 6.2 | 50 |
| 29 | Back to the Future of Soil Metagenomics. Frontiers in Microbiology, 2016, 7, 73. | 3.5 | 120 |
| 30 | Proteotyping of biogas plant microbiomes separates biogas plants according to process temperature and reactor type. Biotechnology for Biofuels, 2016, 9, 155. | 6.2 | 80 |
| 31 | Unraveling the microbiome of a thermophilic biogas plant by metagenome and metatranscriptome analysis complemented by characterization of bacterial and archaeal isolates. Biotechnology for Biofuels, 2016, 9, 171. | 6.2 | 134 |
| 32 | acdc – Automated Contamination Detection and Confidence estimation for single-cell genome data. BMC Bioinformatics, 2016, 17, 543. | 2.6 | 22 |
| 33 | Identification and genome reconstruction of abundant distinct taxa in microbiomes from one thermophilic and three mesophilic production-scale biogas plants. Biotechnology for Biofuels, 2016, 9, 156. | 6.2 | 120 |
| 34 | miRNA profiling of high, low and non-producing CHO cells during biphasic fed-batch cultivation reveals process relevant targets for host cell engineering. Journal of Biotechnology, 2016, 225, 31-43. | 3.8 | 19 |
| 35 | Finished genome sequence and methylome of the cyanide-degrading Pseudomonas pseudoalcaligenes strain CECT5344 as resolved by single-molecule real-time sequencing. Journal of Biotechnology, 2016, 232, 61-68. | 3.8 | 20 |
| 36 | Genomic characterization of Defluviitoga tunisiensis L3, a key hydrolytic bacterium in a thermophilic biogas plant and its abundance as determined by metagenome fragment recruitment. Journal of Biotechnology, 2016, 232, 50-60. | 3.8 | 53 |

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|----|---|------|-----------|
| 37 | MeCorS: Metagenome-enabled error correction of single cell sequencing reads. Bioinformatics, 2016, 32, 2199-2201. | 4.1 | 8 |
| 38 | An integrated metagenome and -proteome analysis of the microbial community residing in a biogas production plant. Journal of Biotechnology, 2016, 231, 268-279. | 3.8 | 33 |
| 39 | Deeply sequenced metagenome and metatranscriptome of a biogas-producing microbial community from an agricultural production-scale biogas plant. GigaScience, 2015, 4, 33. | 6.4 | 68 |
| 40 | Bioboxes: standardised containers for interchangeable bioinformatics software. GigaScience, 2015, 4, 47. | 6.4 | 84 |
| 41 | Fractionation of biogas plant sludge material improves metaproteomic characterization to investigate metabolic activity of microbial communities. Proteomics, 2015, 15, 3585-3589. | 2.2 | 14 |
| 42 | Automatic discovery of metagenomic structure. , 2015, , . | | 5 |
| 43 | Targeted diversity generation by intraterrestrial archaea and archaeal viruses. Nature Communications, 2015, 6, 6585. | 12.8 | 63 |
| 44 | Genomic insights into the uncultivated marine <i>Zetaproteobacteria</i> at Loihi Seamount. ISME Journal, 2015, 9, 857-870. | 9.8 | 69 |
| 45 | Temporal dynamics of fibrolytic and methanogenic rumen microorganisms during in situ incubation of switchgrass determined by 16S rRNA gene profiling. Frontiers in Microbiology, 2014, 5, 307. | 3.5 | 78 |
| 46 | Comparative single-cell genomics reveals potential ecological niches for the freshwater acl Actinobacteria lineage. ISME Journal, 2014, 8, 2503-2516. | 9.8 | 137 |
| 47 | Complete genome sequence of the cyanide-degrading bacterium Pseudomonas pseudoalcaligenes CECT5344. Journal of Biotechnology, 2014, 175, 67-68. | 3.8 | 28 |
| 48 | Phylogenomically Guided Identification of Industrially Relevant GH1 β-Glucosidases through DNA Synthesis and Nanostructure-Initiator Mass Spectrometry. ACS Chemical Biology, 2014, 9, 2082-2091. | 3.4 | 78 |
| 49 | The Candidate Phylum Poribacteria by Single-Cell Genomics: New Insights into Phylogeny, Cell-Compartmentation, Eukaryote-Like Repeat Proteins, and Other Genomic Features. PLoS ONE, 2014, 9, e87353. | 2.5 | 79 |
| 50 | Mycoplasma salivarium as a Dominant Coloniser of Fanconi Anaemia Associated Oral Carcinoma. PLoS ONE, 2014, 9, e92297. | 2.5 | 32 |
| 51 | Genomic and Metabolic Diversity of Marine Group I Thaumarchaeota in the Mesopelagic of Two Subtropical Gyres. PLoS ONE, 2014, 9, e95380. | 2.5 | 95 |
| 52 | Insights into the phylogeny and coding potential of microbial dark matter. Nature, 2013, 499, 431-437. | 27.8 | 2,239 |
| 53 | Metabolic potential of a single cell belonging to one of the most abundant lineages in freshwater bacterioplankton. ISME Journal, 2013, 7, 137-147. | 9.8 | 94 |
| 54 | UGA is an additional glycine codon in uncultured SR1 bacteria from the human microbiota. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5540-5545. | 7.1 | 290 |

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|----|---|------|-----------|
| 55 | Single-cell genomics reveals complex carbohydrate degradation patterns in poribacterial symbionts of marine sponges. ISME Journal, 2013, 7, 2287-2300. | 9.8 | 113 |
| 56 | Nonlinear Dimensionality Reduction for Cluster Identification in Metagenomic Samples. , 2013, , . | | 18 |
| 57 | Prevalent genome streamlining and latitudinal divergence of planktonic bacteria in the surface ocean. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11463-11468. | 7.1 | 328 |
| 58 | Multiple Single-Cell Genomes Provide Insight into Functions of Uncultured Deltaproteobacteria in the Human Oral Cavity. PLoS ONE, 2013, 8, e59361. | 2.5 | 44 |
| 59 | Personalized cloud-based bioinformatics services for research and education: use cases and the elasticHPC package. BMC Bioinformatics, 2012, 13, S22. | 2.6 | 20 |
| 60 | Potential for Chemolithoautotrophy Among Ubiquitous Bacteria Lineages in the Dark Ocean. Science, 2011, 333, 1296-1300. | 12.6 | 510 |
| 61 | Metagenomic Discovery of Biomass-Degrading Genes and Genomes from Cow Rumen. Science, 2011, 331, 463-467. | 12.6 | 1,135 |
| 62 | Titelbild: High-Throughput Inâ€Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery (Angew. Chem. 47/2011). Angewandte Chemie, 2011, 123, 11205-11205. | 2.0 | 0 |
| 63 | Highâ€Throughput Inâ€Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery. Angewandte Chemie - International Edition, 2011, 50, 11215-11218. | 13.8 | 23 |
| 64 | Cover Picture: Highâ€Throughput Inâ€Vitro Glycoside Hydrolase (HIGH) Screening for Enzyme Discovery (Angew. Chem. Int. Ed. 47/2011). Angewandte Chemie - International Edition, 2011, 50, 11013-11013. | 13.8 | 0 |
| 65 | Genome Sequence of the 1,4-Dioxane-Degrading Pseudonocardia dioxanivoransStrain CB1190. Journal of Bacteriology, 2011, 193, 4549-4550. | 2.2 | 56 |
| 66 | Decontamination of MDA Reagents for Single Cell Whole Genome Amplification. PLoS ONE, 2011, 6, e26161. | 2.5 | 163 |
| 67 | Meeting Report: The Terabase Metagenomics Workshop and the Vision of an Earth Microbiome Project. Standards in Genomic Sciences, 2010, 3, 243-248. | 1.5 | 228 |
| 68 | IsoSVMdistinguishing isoforms and paralogs on the protein level. BMC Bioinformatics, 2006, 7, 110. | 2.6 | 16 |
| 69 | XenDB: Full length cDNA prediction and cross species mapping in Xenopus laevis. BMC Genomics, 2005, 6, 123. | 2.8 | 5 |
| 70 | AGenDA: gene prediction by cross-species sequence comparison. Nucleic Acids Research, 2004, 32, W305-W308. | 14.5 | 15 |
| 71 | e2g: an interactive web-based server for efficiently mapping large EST and cDNA sets to genomic sequences. Nucleic Acids Research, 2004, 32, W301-W304. | 14.5 | 10 |
| 72 | EMMA: a platform for consistent storage and efficient analysis of microarray data. Journal of Biotechnology, 2003, 106, 135-146. | 3.8 | 100 |

ALEXANDER SCZYRBA

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|----|--|------|-----------|
| 73 | AltAVisT: Comparing alternative multiple sequence alignments. Bioinformatics, 2003, 19, 425-426. | 4.1 | 24 |
| 74 | RNA-related tools on the Bielefeld Bioinformatics Server. Nucleic Acids Research, 2003, 31, 3767-3770. | 14.5 | 17 |
| 75 | AGenDA: homology-based gene prediction. Bioinformatics, 2003, 19, 1575-1577. | 4.1 | 30 |
| 76 | Homology-based annotation yields 1,042 new candidate genes in the Drosophila melanogaster genome. Nature Genetics, 2001, 27, 337-340. | 21.4 | 58 |