Christian Rückert

List of Publications by Year in descending order

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		109321	51608
109	7,879	35	86
papers	citations	h-index	g-index
116	116	116	10362
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	The Subsystems Approach to Genome Annotation and its Use in the Project to Annotate 1000 Genomes. Nucleic Acids Research, 2005, 33, 5691-5702.	14.5	1,806
2	The complete Corynebacterium glutamicum ATCC 13032 genome sequence and its impact on the production of l-aspartate-derived amino acids and vitamins. Journal of Biotechnology, 2003, 104, 5-25.	3.8	844
3	An environmental bacterial taxon with a large and distinct metabolic repertoire. Nature, 2014, 506, 58-62.	27.8	530
4	Whole Genome Sequencing versus Traditional Genotyping for Investigation of a Mycobacterium tuberculosis Outbreak: A Longitudinal Molecular Epidemiological Study. PLoS Medicine, 2013, 10, e1001387.	8.4	425
5	Complete genome sequence of the myxobacterium Sorangium cellulosum. Nature Biotechnology, 2007, 25, 1281-1289.	17.5	354
6	Insights into Genome Plasticity and Pathogenicity of the Plant Pathogenic Bacterium Xanthomonas campestris pv. vesicatoria Revealed by the Complete Genome Sequence. Journal of Bacteriology, 2005, 187, 7254-7266.	2.2	321
7	The genome of Xanthomonas campestris pv. campestris B100 and its use for the reconstruction of metabolic pathways involved in xanthan biosynthesis. Journal of Biotechnology, 2008, 134, 33-45.	3.8	238
8	Comprehensive analysis of the Corynebacterium glutamicum transcriptome using an improved RNAseq technique. BMC Genomics, 2013, 14, 888.	2.8	175
9	The Genome Sequence of the Tomato-Pathogenic Actinomycete <i>Clavibacter michiganensis</i> NCPPB382 Reveals a Large Island Involved in Pathogenicity. Journal of Bacteriology, 2008, 190, 2138-2149.	2.2	153
10	Construction of a Prophage-Free Variant of Corynebacterium glutamicum ATCC 13032 for Use as a Platform Strain for Basic Research and Industrial Biotechnology. Applied and Environmental Microbiology, 2013, 79, 6006-6015.	3.1	142
11	Genome sequence of B. amyloliquefaciens type strain DSM7T reveals differences to plant-associated B. amyloliquefaciens FZB42. Journal of Biotechnology, 2011, 155, 78-85.	3.8	107
12	The Waddlia Genome: A Window into Chlamydial Biology. PLoS ONE, 2010, 5, e10890.	2.5	104
13	Chassis organism from <i>Corynebacterium glutamicum</i> – a topâ€down approach to identify and delete irrelevant gene clusters. Biotechnology Journal, 2015, 10, 290-301.	3.5	102
14	Complete genome sequence of Streptomyces lividans TK24. Journal of Biotechnology, 2015, 199, 21-22.	3.8	96
15	The McbR repressor modulated by the effector substance S-adenosylhomocysteine controls directly the transcription of a regulon involved in sulphur metabolism of Corynebacterium glutamicum ATCC 13032. Molecular Microbiology, 2005, 56, 871-887.	2.5	92
16	Functional genomics of pH homeostasis in Corynebacterium glutamicum revealed novel links between pH response, oxidative stress, iron homeostasis and methionine synthesis. BMC Genomics, 2009, 10, 621.	2.8	90
17	The missing link: Bordetella petrii is endowed with both the metabolic versatility of environmental bacteria and virulence traits of pathogenic Bordetellae. BMC Genomics, 2008, 9, 449.	2.8	85
18	RamA and RamB are global transcriptional regulators in Corynebacterium glutamicum and control genes for enzymes of the central metabolism. Journal of Biotechnology, 2011, 154, 126-139.	3.8	78

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19	The Gene ncgl2918 Encodes a Novel Maleylpyruvate Isomerase That Needs Mycothiol as Cofactor and Links Mycothiol Biosynthesis and Gentisate Assimilation in Corynebacterium glutamicum. Journal of Biological Chemistry, 2006, 281, 10778-10785.	3.4	74
20	Strategy to sequence the genome of Corynebacterium glutamicum ATCC 13032: use of a cosmid and a bacterial artificial chromosome library. Journal of Biotechnology, 2002, 95, 25-38.	3.8	70
21	Genome sequence of the plant growth promoting strain Bacillus amyloliquefaciens subsp. plantarum B9601-Y2 and expression of mersacidin and other secondary metabolites. Journal of Biotechnology, 2013, 164, 281-291.	3.8	70
22	The complete genome sequence of the acarbose producer Actinoplanes sp. SE50/110. BMC Genomics, 2012, 13, 112.	2.8	69
23	Symbiotic properties and first analyses of the genomic sequence of the fast growing model strain Sinorhizobium fredii HH103 nodulating soybean. Journal of Biotechnology, 2011, 155, 11-19.	3.8	67
24	High quality genome sequences of thirteen Hypoxylaceae (Ascomycota) strengthen the phylogenetic family backbone and enable the discovery of new taxa. Fungal Diversity, 2021, 106, 7-28.	12.3	65
25	Functional genomics and expression analysis of the Corynebacterium glutamicum fpr2-cysIXHDNYZ gene cluster involved in assimilatory sulphate reduction. BMC Genomics, 2005, 6, 121.	2.8	61
26	Comprehensive discovery and characterization of small RNAs in Corynebacterium glutamicumATCC 13032. BMC Genomics, 2013, 14, 714.	2.8	61
27	Sulfate reduction in microorganisms — recent advances and biotechnological applications. Current Opinion in Microbiology, 2016, 33, 140-146.	5.1	59
28	Complete genome sequence of Pseudomonas sp. strain VLB120 a solvent tolerant, styrene degrading bacterium, isolated from forest soil. Journal of Biotechnology, 2013, 168, 729-730.	3.8	51
29	Genomics of Sponge-Associated Streptomyces spp. Closely Related to Streptomyces albus J1074: Insights into Marine Adaptation and Secondary Metabolite Biosynthesis Potential. PLoS ONE, 2014, 9, e96719.	2.5	51
30	Transcriptome analysis of thermophilic methylotrophic Bacillus methanolicus MGA3 using RNA-sequencing provides detailed insights into its previously uncharted transcriptional landscape. BMC Genomics, 2015, 16, 73.	2.8	49
31	High Quality de Novo Transcriptome Assembly of Croton tiglium. Frontiers in Molecular Biosciences, 2018, 5, 62.	3.5	48
32	Transcriptional response of Corynebacterium glutamicum ATCC 13032 to hydrogen peroxide stress and characterization of the OxyR regulon. Journal of Biotechnology, 2014, 190, 40-54.	3.8	46
33	The dual transcriptional regulator CysR in Corynebacterium glutamicum ATCC 13032 controls a subset of genes of the McbR regulon in response to the availability of sulphide acceptor molecules. BMC Genomics, 2008, 9, 483.	2.8	45
34	Genome Sequence of the Bacterium Streptomyces davawensis JCM 4913 and Heterologous Production of the Unique Antibiotic Roseoflavin. Journal of Bacteriology, 2012, 194, 6818-6827.	2.2	42
35	Complete genome and comparative analysis of Streptococcus gallolyticus subsp. gallolyticus, an emerging pathogen of infective endocarditis. BMC Genomics, 2011, 12, 400.	2.8	41
36	Bioinformatic evaluation of L-arginine catabolic pathways in 24 cyanobacteria and transcriptional analysis of genes encoding enzymes of L-arginine catabolism in the cyanobacterium Synechocystis sp. PCC 6803. BMC Genomics, 2007, 8, 437.	2.8	40

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37	On the Enigma of Glutathione-Dependent Styrene Degradation in Gordonia rubripertincta CWB2. Applied and Environmental Microbiology, 2018, 84, .	3.1	38
38	Random mutagenesis in Corynebacterium glutamicum ATCC 13032 using an IS6100-based transposon vector identified the last unknown gene in the histidine biosynthesis pathway. BMC Genomics, 2006, 7, 205.	2.8	35
39	Adaptation of <i>Corynebacterium glutamicum</i> to saltâ€stress conditions. Proteomics, 2010, 10, 445-457.	2.2	34
40	Genome-based analysis of biosynthetic aminotransferase genes of Corynebacterium glutamicum. Journal of Biotechnology, 2003, 104, 229-240.	3.8	33
41	Arabitol Metabolism of Corynebacterium glutamicum and Its Regulation by AtlR. Journal of Bacteriology, 2012, 194, 941-955.	2.2	32
42	Phenylacetic Acid Catabolism and Its Transcriptional Regulation in Corynebacterium glutamicum. Applied and Environmental Microbiology, 2012, 78, 5796-5804.	3.1	32
43	Complete genome sequence of Saccharothrix espanaensis DSM 44229T and comparison to the other completely sequenced Pseudonocardiaceae. BMC Genomics, 2012, 13, 465.	2.8	32
44	Bioinformatics support for high-throughput proteomics. Journal of Biotechnology, 2003, 106, 147-156.	3.8	31
45	Molecular characterization of PrpR, the transcriptional activator of propionate catabolism in Corynebacterium glutamicum. Journal of Biotechnology, 2012, 159, 1-11.	3.8	31
46	Complete genome sequence of Bacillus methanolicus MGA3, a thermotolerant amino acid producing methylotroph. Journal of Biotechnology, 2014, 188, 110-111.	3.8	31
47	The transcriptional regulator SsuR activates expression of theCorynebacterium glutamicumsulphonate utilization genes in the absence of sulphate. Molecular Microbiology, 2005, 58, 480-494.	2.5	30
48	Genome rearrangements of Streptomyces albus J1074 lead to the carotenoid gene cluster activation. Applied Microbiology and Biotechnology, 2014, 98, 795-806.	3.6	30
49	Sequencing of high G+C microbial genomes using the ultrafast pyrosequencing technology. Journal of Biotechnology, 2011, 155, 68-77.	3.8	29
50	A novel type of N-acetylglutamate synthase is involved in the first step of arginine biosynthesis in Corynebacterium glutamicum. BMC Genomics, 2013, 14, 713.	2.8	27
51	Transcriptome sequencing revealed the transcriptional organization at ribosome-mediated attenuation sites in Corynebacterium glutamicum and identified a novel attenuator involved in aromatic amino acid biosynthesis. Journal of Biotechnology, 2014, 190, 55-63.	3.8	26
52	Auxotrophy to Xeno-DNA: an exploration of combinatorial mechanisms for a high-fidelity biosafety system for synthetic biology applications. Journal of Biological Engineering, 2018, 12, 13.	4.7	26
53	Functional Characterization of a Small Alarmone Hydrolase in Corynebacterium glutamicum. Frontiers in Microbiology, 2018, 9, 916.	3.5	25
54	MSEA: metabolite set enrichment analysis in the MeltDB metabolomics software platform: metabolic profiling of Corynebacterium glutamicum as an example. Metabolomics, 2012, 8, 310-322.	3.0	23

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55	Complete genome sequence of the kirromycin producer Streptomyces collinus TÃ $\frac{1}{4}$ 365 consisting of a linear chromosome and two linear plasmids. Journal of Biotechnology, 2013, 168, 739-740.	3.8	23
56	Microparticles globallyÂreprogram <i>Streptomyces albus</i> toward accelerated morphogenesis, streamlined carbon core metabolism, and enhanced production of the antituberculosis polyketide pamamycin. Biotechnology and Bioengineering, 2020, 117, 3858-3875.	3.3	22
57	Comparative RNA-sequencing of the acarbose producer Actinoplanes sp. SE50/110 cultivated in different growth media. Journal of Biotechnology, 2013, 167, 166-177.	3.8	20
58	Genome-enabled determination of amino acid biosynthesis in Xanthomonas campestris pv. campestris and identification of biosynthetic pathways for alanine, glycine, and isoleucine by 13C-isotopologue profiling. Molecular Genetics and Genomics, 2011, 286, 247-59.	2.1	19
59	New Alpiniamides From Streptomyces sp. IB2014/011-12 Assembled by an Unusual Hybrid Non-ribosomal Peptide Synthetase Trans-AT Polyketide Synthase Enzyme. Frontiers in Microbiology, 2018, 9, 1959.	3.5	19
60	Whole Genome Sequencing of 39 Invasive Streptococcus pneumoniae Sequence Type 199 Isolates Revealed Switches from Serotype 19A to 15B. PLoS ONE, 2017, 12, e0169370.	2.5	19
61	Transcriptomic and fluxomic changes in Streptomyces lividans producing heterologous protein. Microbial Cell Factories, 2018, 17, 198.	4.0	18
62	Viennamycins: Lipopeptides Produced by a <i>Streptomyces</i> sp Journal of Natural Products, 2020, 83, 2381-2389.	3.0	17
63	Screening of a genomeâ€reduced <i>Corynebacterium glutamicum</i> strain library for improved heterologous cutinase secretion. Microbial Biotechnology, 2020, 13, 2020-2031.	4.2	17
64	A propionate-inducible expression system based on the Corynebacterium glutamicum prpD2 promoter and PrpR activator and its application for the redirection of amino acid biosynthesis pathways. Journal of Biotechnology, 2013, 163, 225-232.	3.8	16
65	Complete genome sequence of the actinobacterium Amycolatopsis japonica MG417-CF17T (=DSM 44213T) producing (S,S)-N,N′-ethylenediaminedisuccinic acid. Journal of Biotechnology, 2014, 189, 46-47.	3.8	16
66	Draft Genome Sequence of Turicella otitidis ATCC 51513, Isolated from Middle Ear Fluid from a Child with Otitis Media. Journal of Bacteriology, 2012, 194, 5968-5969.	2.2	15
67	Improving the genome annotation of the acarbose producer Actinoplanes sp. SE50/110 by sequencing enriched $5\hat{a}$ e-ends of primary transcripts. Journal of Biotechnology, 2014, 190, 85-95.	3.8	15
68	Twenty-Five Years of Propagation in Suspension Cell Culture Results in Substantial Alterations of the Arabidopsis Thaliana Genome. Genes, 2019, 10, 671.	2.4	15
69	Complete genome sequence of Corynebacterium casei LMG S-19264T (=DSM 44701T), isolated from a smear-ripened cheese. Journal of Biotechnology, 2014, 189, 76-77.	3.8	14
70	Impact of Phenolic Substrate and Growth Temperature on the Arthrobacter chlorophenolicus Proteome. Journal of Proteome Research, 2009, 8, 1953-1964.	3.7	13
71	Draft Genome Sequence of Wickerhamomyces ciferrii NRRL Y-1031 F-60-10. Eukaryotic Cell, 2012, 11, 1582-1583.	3.4	13
72	Complete genome sequence of the actinobacterium Actinoplanes friuliensis HAG 010964, producer of the lipopeptide antibiotic friulimycin. Journal of Biotechnology, 2014, 178, 41-42.	3.8	13

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73	Complete genome sequence of Paenibacillus riograndensis SBR5T, a Gram-positive diazotrophic rhizobacterium. Journal of Biotechnology, 2015, 207, 30-31.	3.8	13
74	Draft Genome Sequence of Bacillus anthracis UR-1, Isolated from a German Heroin User. Journal of Bacteriology, 2012, 194, 5997-5998.	2.2	12
75	Whole-Genome Sequence of the Clinical Strain Corynebacterium argentoratense DSM 44202, Isolated from a Human Throat Specimen. Genome Announcements, 2013, 1, .	0.8	12
76	Secretome Dynamics in a Gram-Positive Bacterial Model. Molecular and Cellular Proteomics, 2019, 18, 423-436.	3.8	12
77	Draft Genome Sequence of Bacillus anthracis BF-1, Isolated from Bavarian Cattle. Journal of Bacteriology, 2012, 194, 6360-6361.	2.2	11
78	Complete genome sequence of the actinomycete Actinoalloteichus hymeniacidonis type strain HPA 177T isolated from a marine sponge. Standards in Genomic Sciences, 2016, 11, 91.	1.5	11
79	Seventeen Ustilaginaceae High-Quality Genome Sequences Allow Phylogenomic Analysis and Provide Insights into Secondary Metabolite Synthesis. Journal of Fungi (Basel, Switzerland), 2022, 8, 269.	3.5	11
80	Revisiting Corynebacterium glyciniphilum (ex Kubota et al., 1972) sp. nov., nom. rev., isolated from putrefied banana. International Journal of Systematic and Evolutionary Microbiology, 2015, 65, 177-182.	1.7	10
81	Complete Genome Sequence of the Novel Cellulolytic, Anaerobic, Thermophilic Bacterium <i>Herbivorax saccincola</i> Type Strain GGR1, Isolated from a Lab Scale Biogas Reactor as Established by Illumina and Nanopore MinION Sequencing. Genome Announcements, 2018, 6, .	0.8	10
82	Complete Genome Sequence of <i>Streptomyces lavendulae</i> subsp. <i>lavendulae</i> CCM 3239 (Formerly " <i>Streptomyces aureofaciens</i> CCM 3239â€), a Producer of the Angucycline-Type Antibiotic Auricin. Genome Announcements, 2018, 6, .	0.8	10
83	Perquinolines A–C: Unprecedented Bacterial Tetrahydroisoquinolines Involving an Intriguing Biosynthesis. Angewandte Chemie - International Edition, 2019, 58, 12930-12934.	13.8	10
84	Genome sequence of the halotolerant bacterium Corynebacterium halotolerans type strain YIM 70093T (= DSM 44683T). Standards in Genomic Sciences, 2012, 7, 284-293.	1.5	9
85	Draft genome sequence of Sinorhizobium meliloti RU11/001, a model organism for flagellum structure, motility and chemotaxis. Journal of Biotechnology, 2013, 168, 731-733.	3.8	9
86	Paralysiella testudinis gen. nov., sp. nov., isolated from the cloaca of a toad-headed turtle (Mesoclemmys nasuta). International Journal of Systematic and Evolutionary Microbiology, 2021, 71, .	1.7	9
87	Size exclusion chromatography—An improved method to harvest Corynebacterium glutamicum cells for the analysis of cytosolic metabolites. Journal of Biotechnology, 2011, 154, 171-178.	3.8	8
88	Draft Genome Sequence of Streptomyces niveus NCIMB 11891, Producer of the Aminocoumarin Antibiotic Novobiocin. Genome Announcements, 2014, 2, .	0.8	8
89	Draft Genome Sequence of <i>Streptomyces roseochromogenes</i> subsp. <i>oscitans</i> DS 12.976, Producer of the Aminocoumarin Antibiotic Clorobiocin. Genome Announcements, 2014, 2, .	0.8	8
90	Complete genome sequence of Corynebacterium vitaeruminis DSM 20294T, isolated from the cow rumen as a vitamin B producer. Journal of Biotechnology, 2014, 189, 70-71.	3.8	8

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91	Genome sequence of the squalene-degrading bacterium Corynebacterium terpenotabidum type strain Y-11T (= DSM 44721T). Standards in Genomic Sciences, 2013, 9, 505-513.	1.5	7
92	Genome Sequence of the Small-Colony Variant Pseudomonas aeruginosa MH27, Isolated from a Chronic Urethral Catheter Infection. Genome Announcements, 2014, 2, .	0.8	7
93	Complete genome sequence of the actinobacterium Streptomyces glaucescens GLA.O (DSM 40922) consisting of a linear chromosome and one linear plasmid. Journal of Biotechnology, 2015, 194, 81-83.	3.8	7
94	Genetic interrelations in the actinomycin biosynthetic gene clusters of Streptomyces antibioticus IMRU 3720 and Streptomyces chrysomallus ATCC11523, producers of actinomycin X and actinomycin C. Advances and Applications in Bioinformatics and Chemistry, 2017, Volume 10, 29-46.	2.6	7
95	Biosynthetic Potential of the Endophytic Fungus Helotiales sp. BL73 Revealed via Compound Identification and Genome Mining. Applied and Environmental Microbiology, 2022, 88, aem0251021.	3.1	7
96	Complete Genome Sequence of the Cryptophycin-Producing Cyanobacterium <i>Nostoc</i> sp. Strain ATCC 53789. Microbiology Resource Announcements, 2020, 9, .	0.6	6
97	Streptomonospora litoralis sp. nov., a halophilic thiopeptides producer isolated from sand collected at Cuxhaven beach. Antonie Van Leeuwenhoek, 2021, 114, 1483-1496.	1.7	6
98	Streptomyces dysideae sp. nov., isolated from a marine Mediterranean sponge Dysidea tupha. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	1.7	6
99	Complete Genome Sequence of Corynebacterium falsenii DSM 44353 To Study the Evolution of Corynebacterium Cluster 3 Species. Genome Announcements, 2014, 2, .	0.8	5
100	Draft Genome Sequence of Streptomyces sp. Strain DH-12, a Soilborne Isolate from the Thar Desert with Broad-Spectrum Antibacterial Activity. Genome Announcements, 2018, 6, .	0.8	5
101	Streptomyces phaeopurpureus Shinobu 1957 (Approved Lists 1980) and Streptomyces griseorubiginosus (Ryabova and Preobrazhenskaya 1957) Pridham et al. 1958 (Approved Lists 1980) are heterotypic subjective synonyms. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 3111-3116.	1.7	5
102	Whole-Genome Sequence of Streptococcus pyogenes Strain 591, Belonging to the Genotype <i>emm</i> 49. Microbiology Resource Announcements, 2021, 10, e0081621.	0.6	5
103	Mutant Strains of Escherichia coli and Methicillin-Resistant Staphylococcus aureus Obtained by Laboratory Selection To Survive on Metallic Copper Surfaces. Applied and Environmental Microbiology, 2020, 87, .	3.1	4
104	Complete Genome Sequence of the Streptococcus gallolyticus subsp. <i>gallolyticus</i> Strain DSM 16831. Genome Announcements, 2017, 5, .	0.8	3
105	Whole-Genome Sequence of Pseudoalteromonas sp. NC201, a Probiotic Strain for Litopenaeus stylirostris Hatcheries in New Caledonia. Microbiology Resource Announcements, 2019, 8, .	0.6	3
106	Genome sequence of the marine bacterium Corynebacterium maris type strain Coryn-1T (= DSM 45190T). Standards in Genomic Sciences, 2013, 8, 516-524.	1.5	2
107	pSETT4, an Improved φC31-Based Integrative Vector System for Actinoplanes sp. SE50/110. Microbiology Resource Announcements, 2020, 9, .	0.6	2

Complete Draft Genome Sequence of the Actinobacterium Nocardiopsis sinuspersici UTMC102 (DSM) Tj ETQq0 0 0 rg BT /Overlock 10 T

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109	Complete Genome Sequence of the Nonmotile Myxococcus xanthus Strain NM. Microbiology Resource Announcements, 2021, 10, e0098921.	0.6	1