

# Marcus Persicke

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

826  
citations

567281

15  
h-index

501196

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1183  
citing authors

#	ARTICLE	IF	CITATIONS
1	MeltDB: a software platform for the analysis and integration of metabolomics experiment data. <i>Bioinformatics</i> , 2008, 24, 2726-2732.	4.1	100
2	Histidine biosynthesis, its regulation and biotechnological application in <i>Corynebacterium glutamicum</i> . <i>Microbial Biotechnology</i> , 2014, 7, 5-25.	4.2	95
3	Functional genomics of pH homeostasis in <i>Corynebacterium glutamicum</i> revealed novel links between pH response, oxidative stress, iron homeostasis and methionine synthesis. <i>BMC Genomics</i> , 2009, 10, 621.	2.8	90
4	Metabolite profiling at the cellular and subcellular level reveals metabolites associated with salinity tolerance in sugar beet. <i>Journal of Experimental Botany</i> , 2017, 68, 5961-5976.	4.8	89
5	Visualizing post genomics data-sets on customized pathway maps by ProMeTra – aeration-dependent gene expression and metabolism of <i>Corynebacterium glutamicum</i> as an example. <i>BMC Systems Biology</i> , 2009, 3, 82.	3.0	61
6	Investigation of central carbon metabolism and the 2-methylcitrate cycle in <i>Corynebacterium glutamicum</i> by metabolic profiling using gas chromatography–mass spectrometry. <i>Journal of Biotechnology</i> , 2007, 130, 354-363.	3.8	51
7	Impact of ROS-Induced Damage of TCA Cycle Enzymes on Metabolism and Virulence of <i>Salmonella enterica</i> serovar Typhimurium. <i>Frontiers in Microbiology</i> , 2019, 10, 762.	3.5	33
8	Continuous Adaptive Evolution of a Fast-Growing <i>Corynebacterium glutamicum</i> Strain Independent of Protocatechuate. <i>Frontiers in Microbiology</i> , 2019, 10, 1648.	3.5	29
9	ALlocator: An Interactive Web Platform for the Analysis of Metabolomic LC-ESI-MS Datasets, Enabling Semi-Automated, User-Revised Compound Annotation and Mass Isotopomer Ratio Analysis. <i>PLoS ONE</i> , 2014, 9, e113909.	2.5	28
10	<i>Corynebacterium glutamicum</i> ATP-phosphoribosyl transferases suitable for l-histidine production – Strategies for the elimination of feedback inhibition. <i>Journal of Biotechnology</i> , 2015, 206, 26-37.	3.8	27
11	Functional Characterization of a Small Alarmone Hydrolase in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Microbiology</i> , 2018, 9, 916.	3.5	25
12	MSEA: metabolite set enrichment analysis in the MeltDB metabolomics software platform: metabolic profiling of <i>Corynebacterium glutamicum</i> as an example. <i>Metabolomics</i> , 2012, 8, 310-322.	3.0	23
13	Carbon source dependent biosynthesis of acarbose metabolites in <i>Actinoplanes</i> sp. SE50/110. <i>Journal of Biotechnology</i> , 2014, 191, 113-120.	3.8	21
14	Genetic engineering in <i>Actinoplanes</i> sp. SE50/110 – development of an intergeneric conjugation system for the introduction of actinophage-based integrative vectors. <i>Journal of Biotechnology</i> , 2016, 232, 79-88.	3.8	17
15	A propionate-inducible expression system based on the <i>Corynebacterium glutamicum</i> prpD2 promoter and PrpR activator and its application for the redirection of amino acid biosynthesis pathways. <i>Journal of Biotechnology</i> , 2013, 163, 225-232.	3.8	16
16	Evaluation of vector systems and promoters for overexpression of the acarbose biosynthesis gene <i>acbC</i> in <i>Actinoplanes</i> sp. SE50/110. <i>Microbial Cell Factories</i> , 2019, 18, 114.	4.0	15
17	The MarR-Type Regulator MalR Is Involved in Stress-Responsive Cell Envelope Remodeling in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1039.	3.5	14
18	<i>Corynebacterium glutamicum</i> <i>ggtB</i> encodes a functional $\hat{1}^3$ -glutamyl transpeptidase with $\hat{1}^3$ -glutamyl dipeptide synthetic and hydrolytic activity. <i>Journal of Biotechnology</i> , 2016, 232, 99-109.	3.8	13

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19	Classification of three corynebacterial strains isolated from a small paddock in North Rhine-Westphalia: proposal of <i>Corynebacterium kalinowskii</i> sp. nov., <i>Corynebacterium comes</i> sp. nov. and <i>Corynebacterium occultum</i> sp. nov.. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2021, 71, .	1.7	13
20	Coenzyme Q10 Biosynthesis Established in the Non-Ubiquinone Containing <i>Corynebacterium glutamicum</i> by Metabolic Engineering. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 650961.	4.1	12
21	Endogenous arabitol and mannitol improve shelf life of encapsulated <i>Metarhizium brunneum</i> . <i>World Journal of Microbiology and Biotechnology</i> , 2018, 34, 108.	3.6	9
22	Size exclusion chromatographyâ€”An improved method to harvest <i>Corynebacterium glutamicum</i> cells for the analysis of cytosolic metabolites. <i>Journal of Biotechnology</i> , 2011, 154, 171-178.	3.8	8
23	Physiology and Transcriptional Analysis of (p)ppGpp-Related Regulatory Effects in <i>Corynebacterium glutamicum</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 2769.	3.5	8
24	Sequence-based identification of inositol monophosphatase-like histidinol-phosphate phosphatases (HisN) in <i>Corynebacterium glutamicum</i> , Actinobacteria, and beyond. <i>BMC Microbiology</i> , 2017, 17, 161.	3.3	7
25	Anhydrobiotic engineering for the endophyte bacterium <i>Kosakonia radicincitans</i> by osmoadaptation and providing exogenously hydroxyectoine. <i>World Journal of Microbiology and Biotechnology</i> , 2020, 36, 6.	3.6	6
26	Blocks in Tricarboxylic Acid Cycle of <i>Salmonella enterica</i> Cause Global Perturbation of Carbon Storage, Motility, and Host-Pathogen Interaction. <i>MSphere</i> , 2019, 4, .	2.9	5
27	Essentiality of the Maltase AmI in Maltose Utilization and Its Transcriptional Regulation by the Repressor AmR in the Acarbose-Producing Bacterium <i>Actinoplanes</i> sp. SE50/110. <i>Frontiers in Microbiology</i> , 2019, 10, 2448.	3.5	4
28	The expression of the acarbose biosynthesis gene cluster in <i>Actinoplanes</i> sp. SE50/110 is dependent on the growth phase. <i>BMC Genomics</i> , 2020, 21, 818.	2.8	3
29	pSETT4, an Improved $\lambda$ C31-Based Integrative Vector System for <i>Actinoplanes</i> sp. SE50/110. <i>Microbiology Resource Announcements</i> , 2020, 9, .	0.6	2
30	Absence of the highly expressed small carbohydrate-binding protein Cgt improves the acarbose formation in <i>Actinoplanes</i> sp. SE50/110. <i>Applied Microbiology and Biotechnology</i> , 2020, 104, 5395-5408.	3.6	2