Michael Bott

List of Publications by Year in Descending Order

212 papers	10,291 citations	60 h-index	92 g-index
220 ext. papers	11,447 ext. citations	4.8 avg, IF	6.38 L-index

#	Paper	IF	Citations
212	Production of l-arabinonic acid from l-arabinose by the acetic acid bacterium Gluconobacter oxydans. *Bioresource Technology Reports*, **2022**, 17, 100965	4.1	0
211	A Tetratricopeptide Repeat Scaffold Couples Signal Detection to OdhI Phosphorylation in Metabolic Control by the Protein Kinase PknG. *MBio*, **2021**, 12, e0171721	7.8	1
210	On the way toward regulatable expression systems in acetic acid bacteria: target gene expression and use cases. *Applied Microbiology and Biotechnology*, **2021**, 105, 3423-3456	5.7	3
209	FNR-Type Regulator GoxR of the Obligatorily Aerobic Acetic Acid Bacterium Affects Expression of Genes Involved in Respiration and Redox Metabolism. *Applied and Environmental Microbiology*, **2021**, 87,	4.8	1
208	An energetic profile of Corynebacterium glutamicum underpinned by measured biomass yield on ATP. *Metabolic Engineering*, **2021**, 65, 66-78	9.7	3
207	Advances in metabolic engineering of Corynebacterium glutamicum to produce high-value active ingredients for food, feed, human health, and well-being. *Essays in Biochemistry*, **2021**, 65, 197-212	7.6	14
206	Highly tunable TetR-dependent target gene expression in the acetic acid bacterium Gluconobacter oxydans. *Applied Microbiology and Biotechnology*, **2021**, 105, 6835-6852	5.7	1
205	Metabolic engineering of Pseudomonas putida for production of the natural sweetener 5-ketofructose from fructose or sucrose by periplasmic oxidation with a heterologous fructose dehydrogenase. *Microbial Biotechnology*, **2021**, 14, 2592-2604	6.3	1
204	Metabolic engineering of Corynebacterium glutamicum for production of scyllo-inositol, a drug candidate against Alzheimer's disease. *Metabolic Engineering*, **2021**, 67, 173-185	9.7	1
203	A Sodium-Translocating Module Linking Succinate Production to Formation of Membrane Potential in Prevotella bryantii. *Applied and Environmental Microbiology*, **2021**, 87, e0121121	4.8	3
202	The respiratory supercomplex from C.glutamicum.. *Structure*, **2021**,	5.2	1
201	HrrSA orchestrates a systemic response to heme and determines prioritization of terminal cytochrome oxidase expression. *Nucleic Acids Research*, **2020**, 48, 6547-6562	20.1	1
200	Novel plasmid-free Gluconobacter oxydans strains for production of the natural sweetener 5-ketofructose. *Microbial Cell Factories*, **2020**, 19, 54	6.4	5
199	Molecular Basis of Growth Inhibition by Acetate of an Adenylate Cyclase-Deficient Mutant of. *Frontiers in Microbiology*, **2020**, 11, 87	5.7	4
198	The Iron Deficiency Response of Corynebacterium glutamicum and a Link to Thiamine Biosynthesis. *Applied and Environmental Microbiology*, **2020**, 86,	4.8	5
197	NADPH biosensor-based identification of an alcohol dehydrogenase variant with improved catalytic properties caused by a single charge reversal at the protein surface. *AMB Express*, **2020**, 10, 14	4.1	2
196	The Importance of Biotechnology for the Bioeconomy **2020**, 105-128		1

195	A tunable L-arabinose-inducible expression plasmid for the acetic acid bacterium Gluconobacter oxydans. *Applied Microbiology and Biotechnology*, **2020**, 104, 9267-9282	5.7	8
194	Improved pEKEx2-derived expression vectors for tightly controlled production of recombinant proteins in Corynebacterium glutamicum. *Plasmid*, **2020**, 112, 102540	3.3	11
193	Regulation of Aminobutyrate (GABA) Utilization in by the PucR-Type Transcriptional Regulator GabR and by Alternative Nitrogen and Carbon Sources. *Frontiers in Microbiology*, **2020**, 11, 544045	5.7	5
192	Relevance of NADH Dehydrogenase and Alternative Two-Enzyme Systems for Growth of With Glucose, Lactate, and Acetate. *Frontiers in Bioengineering and Biotechnology*, **2020**, 8, 621213	5.8	2
191	Library Selection with a Randomized Repertoire of ( )-Barrel Enzymes Results in Unexpected Induction of Gene Expression. *Biochemistry*, **2019**, 58, 4207-4217	3.2	
190	Modulation of the central carbon metabolism of Corynebacterium glutamicum improves malonyl-CoA availability and increases plant polyphenol synthesis. *Biotechnology and Bioengineering*, **2019**, 116, 1380-1391	4.9	22
189	Pyruvate Carboxylase Variants Enabling Improved Lysine Production from Glucose Identified by Biosensor-Based High-Throughput Fluorescence-Activated Cell Sorting Screening. *ACS Synthetic Biology*, **2019**, 8, 274-281	5.7	25
188	Identification of Surf1 as an assembly factor of the cytochrome bc-aa supercomplex of Actinobacteria. *Biochimica Et Biophysica Acta - Bioenergetics*, **2019**, 1860, 148033	4.6	7
187	Pyruvate carboxylase from Corynebacterium glutamicum : purification and characterization. *Applied Microbiology and Biotechnology*, **2019**, 103, 6571-6580	5.7	3
186	The conserved actinobacterial transcriptional regulator FtsR controls expression of ftsZ and further target genes and influences growth and cell division in Corynebacterium glutamicum. *BMC Microbiology*, **2019**, 19, 179	4.5	6
185	Identification and Microbial Production of the Raspberry Phenol Salidroside that Is Active against Huntington's Disease. *Plant Physiology*, **2019**, 179, 969-985	6.6	17
184	NADPH-related processes studied with a SoxR-based biosensor in Escherichia coli. *MicrobiologyOpen*, **2018**, 8, e785	3.4	3
183	AftD functions as an -5 arabinofuranosyltransferase involved in the biosynthesis of the mycobacterial cell wall core. *Cell Surface*, **2018**, 1, 2-14	4.8	10
182	BacHBerry: BACterial Hosts for production of Bioactive phenolics from bERRY fruits. *Phytochemistry Reviews*, **2018**, 17, 291-326	7.7	12
181	RNAseq analysis of proteobacterium Gluconobacter oxydans 621H. *BMC Genomics*, **2018**, 19, 24	4.5	9
180	Corynebacterium glutamicum Chassis C1*: Building and Testing a Novel Platform Host for Synthetic Biology and Industrial Biotechnology. *ACS Synthetic Biology*, **2018**, 7, 132-144	5.7	43
179	Structure-Based Design of Versatile Biosensors for Small Molecules Based on the PAS Domain of a Thermophilic Histidine Kinase. *ACS Synthetic Biology*, **2018**, 7, 2888-2897	5.7	2
178	Global mRNA decay and 23S rRNA fragmentation in Gluconobacter oxydans 621H. *BMC Genomics*, **2018**, 19, 753	4.5	2

177	The copper-deprivation stimulon of comprises proteins for biogenesis of the actinobacterial cytochrome - supercomplex. *Journal of Biological Chemistry*, **2018**, 293, 15628-15640	5.4	12
176	Functional expression of plant-derived O-methyltransferase, flavanone 3-hydroxylase, and flavonol synthase in Corynebacterium glutamicum for production of pterostilbene, kaempferol, and quercetin. *Journal of Biotechnology*, **2017**, 258, 190-196	3.7	42
175	Metabolic engineering of Gluconobacter oxydans 621H for increased biomass yield. *Applied Microbiology and Biotechnology*, **2017**, 101, 5453-5467	5.7	17
174	Die Bedeutung der Biotechnologie f□ die Bio□konomie **2017**, 105-128		1
173	High precision genome sequencing of engineered Gluconobacter oxydans 621H by combining long nanopore and short accurate Illumina reads. *Journal of Biotechnology*, **2017**, 258, 197-205	3.7	15
172	Reversal of □-oxidative pathways for the microbial production of chemicals and polymer building blocks. *Metabolic Engineering*, **2017**, 42, 33-42	9.7	33
171	Improved production of adipate with Escherichia coli by reversal of □-oxidation. *Applied Microbiology and Biotechnology*, **2017**, 101, 2371-2382	5.7	16
170	Novel Technologies for Optimal Strain Breeding. *Advances in Biochemical Engineering/Biotechnology* , **2017**, 159, 227-254	1.7	2
169	The three-component system EsrISR regulates a cell envelope stress response in Corynebacterium glutamicum. *Molecular Microbiology*, **2017**, 106, 719-741	4.1	10
168	Development of a single-cell GlxR-based cAMP biosensor for Corynebacterium glutamicum. *Journal of Biotechnology*, **2017**, 258, 33-40	3.7	14
167	Identification of the cAMP phosphodiesterase CpdA as novel key player in cAMP-dependent regulation in Corynebacterium glutamicum. *Molecular Microbiology*, **2017**, 103, 534-552	4.1	11
166	Mutations in MurE, the essential UDP-N-acetylmuramoylalanyl-D-glutamate 2,6-diaminopimelate ligase of Corynebacterium glutamicum: effect on L-lysine formation and analysis of systemic consequences. *Biotechnology Letters*, **2017**, 39, 283-288	3	7
165	Metabolic profile of 1,5-diaminopentane producing Corynebacterium glutamicum under scale-down conditions: Blueprint for robustness to bioreactor inhomogeneities. *Biotechnology and Bioengineering*, **2017**, 114, 560-575	4.9	34
164	The obligate respiratory supercomplex from Actinobacteria. *Biochimica Et Biophysica Acta - Bioenergetics*, **2016**, 1857, 1705-14	4.6	37
163	Production of 2-methyl-1-butanol and 3-methyl-1-butanol in engineered Corynebacterium glutamicum. *Metabolic Engineering*, **2016**, 38, 436-445	9.7	30
162	Rapid Electron Transfer within the III-IV Supercomplex in Corynebacterium glutamicum. *Scientific Reports*, **2016**, 6, 34098	4.9	18
161	Chalcone-based Selective Inhibitors of a C4 Plant Key Enzyme as Novel Potential Herbicides. *Scientific Reports*, **2016**, 6, 27333	4.9	6
160	Central Carbon Metabolism and Respiration in Gluconobacter oxydans **2016**, 235-253		3

159	Construction of a Corynebacterium glutamicum platform strain for the production of stilbenes and (2S)-flavanones. *Metabolic Engineering*, **2016**, 38, 47-55	9.7	116
158	Identification of the phd gene cluster responsible for phenylpropanoid utilization in Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2016**, 100, 1871-1881	5.7	62
157	The small 6C RNA of Corynebacterium glutamicum is involved in the SOS response. *RNA Biology*, **2016**, 13, 848-60	4.8	4
156	The pupylation machinery is involved in iron homeostasis by targeting the iron storage protein ferritin. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 4806-11	11.5	34
155	Recombineering and biosensor-guided FACS screening for strain development of Corynebacterium glutamicum. *New Biotechnology*, **2016**, 33, S66	6.4	1
154	Novel screening methods--biosensors. *Current Opinion in Biotechnology*, **2015**, 35, 30-6	11.4	110
153	Metabolic engineering of Corynebacterium glutamicum for methanol metabolism. *Applied and Environmental Microbiology*, **2015**, 81, 2215-25	4.8	71
152	Chassis organism from Corynebacterium glutamicum--a top-down approach to identify and delete irrelevant gene clusters. *Biotechnology Journal*, **2015**, 10, 290-301	5.6	87
151	Metabolic engineering of Corynebacterium glutamicum for the production of itaconate. *Metabolic Engineering*, **2015**, 30, 156-165	9.7	67
150	A giant market and a powerful metabolism: L-lysine provided by Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2015**, 99, 3387-94	5.7	142
149	The contest for precursors: channelling L-isoleucine synthesis in Corynebacterium glutamicum without byproduct formation. *Applied Microbiology and Biotechnology*, **2015**, 99, 791-800	5.7	29
148	Production of 2-ketoisocaproate with Corynebacterium glutamicum strains devoid of plasmids and heterologous genes. *Microbial Biotechnology*, **2015**, 8, 351-60	6.3	25
147	Engineering of Corynebacterium glutamicum for growth and succinate production from levoglucosan, a pyrolytic sugar substrate. *FEMS Microbiology Letters*, **2015**, 362,	2.9	23
146	Single-Domain Peptidyl-Prolyl cis/trans Isomerase FkpA from Corynebacterium glutamicum Improves the Biomass Yield at Increased Growth Temperatures. *Applied and Environmental Microbiology*, **2015**, 81, 7839-50	4.8	1
145	Anaerobic growth of Corynebacterium glutamicum via mixed-acid fermentation. *Applied and Environmental Microbiology*, **2015**, 81, 7496-508	4.8	30
144	SdhE-dependent formation of a functional Acetobacter pasteurianus succinate dehydrogenase in Gluconobacter oxydans--a first step toward a complete tricarboxylic acid cycle. *Applied Microbiology and Biotechnology*, **2015**, 99, 9147-60	5.7	7
143	(13)C Tracers for Glucose Degrading Pathway Discrimination in Gluconobacter oxydans 621H. *Metabolites*, **2015**, 5, 455-74	5.6	
142	Need for speed - finding productive mutations using transcription factor-based biosensors, fluorescence-activated cell sorting and recombineering. *Microbial Biotechnology*, **2015**, 8, 8-10	6.3	6

141	Pupylierung – ein bakterielles Pendant zur Ubiquitinylierung. *BioSpektrum*, **2015**, 21, 158-160	0.1	
140	A chromosomally encoded T7 RNA polymerase-dependent gene expression system for Corynebacterium glutamicum: construction and comparative evaluation at the single-cell level. *Microbial Biotechnology*, **2015**, 8, 253-65	6.3	51
139	Genetically-encoded Biosensors for Strain Development and Single Cell Analysis of Corynebacterium glutamicum **2015**, 179-196		2
138	The Genus Corynebacterium **2015**, 487-504		
137	Succinate production from CO_2-grown microalgal biomass as carbon source using engineered Corynebacterium glutamicum through consolidated bioprocessing. *Scientific Reports*, **2014**, 4, 5819	4.9	33
136	Role of flavohaemoprotein Hmp and nitrate reductase NarGHJI of Corynebacterium glutamicum for coping with nitrite and nitrosative stress. *FEMS Microbiology Letters*, **2014**, 350, 239-48	2.9	9
135	Pushing product formation to its limit: metabolic engineering of Corynebacterium glutamicum for L-leucine overproduction. *Metabolic Engineering*, **2014**, 22, 40-52	9.7	95
134	Acyl-CoA sensing by FasR to adjust fatty acid synthesis in Corynebacterium glutamicum. *Journal of Biotechnology*, **2014**, 192 Pt A, 96-101	3.7	13
133	Engineering of Corynebacterium glutamicum for minimized carbon loss during utilization of D-xylose containing substrates. *Journal of Biotechnology*, **2014**, 192 Pt A, 156-60	3.7	65
132	Phosphatase activity of the histidine kinases ensures pathway specificity of the ChrSA and HrrSA two-component systems in Corynebacterium glutamicum. *Molecular Microbiology*, **2014**, 92, 1326-42	4.1	13
131	Combinatorial optimization of synthetic operons for the microbial production of monolignols in Escherichia coli. *New Biotechnology*, **2014**, 31, S158	6.4	
130	SoxR as a single-cell biosensor for NADPH-consuming enzymes in Escherichia coli. *ACS Synthetic Biology*, **2014**, 3, 41-7	5.7	99
129	Synthetic biology platform of CoryneBrick vectors for gene expression in Corynebacterium glutamicum and its application to xylose utilization. *Applied Microbiology and Biotechnology*, **2014**, 98, 5991-6002	5.7	47
128	NADPH-dependent reductive biotransformation with Escherichia coli and its pfkA deletion mutant: influence on global gene expression and role of oxygen supply. *Biotechnology and Bioengineering*, **2014**, 111, 2067-75	4.9	3
127	Succinic Acid **2014**, 435-472		13
126	Interaction of 2-oxoglutarate dehydrogenase OdhA with its inhibitor OdhI in Corynebacterium glutamicum: Mutants and a model. *Journal of Biotechnology*, **2014**, 191, 99-105	3.7	22
125	The crystal structures of apo and cAMP-bound GlxR from Corynebacterium glutamicum reveal structural and dynamic changes upon cAMP binding in CRP/FNR family transcription factors. *PLoS ONE*, **2014**, 9, e113265	3.7	21
124	Pupylated proteins in Corynebacterium glutamicum revealed by MudPIT analysis. *Proteomics*, **2014**, 14, 1531-42	4.8	27

123	Subtilase SprP exerts pleiotropic effects in Pseudomonas aeruginosa. *MicrobiologyOpen*, **2014**, 3, 89-103	3.4	11
122	Taking control over control: use of product sensing in single cells to remove flux control at key enzymes in biosynthesis pathways. *ACS Synthetic Biology*, **2014**, 3, 21-9	5.7	105
121	Glycerol as a substrate for aerobic succinate production in minimal medium with Corynebacterium glutamicum. *Microbial Biotechnology*, **2013**, 6, 189-95	6.3	47
120	Reductive whole-cell biotransformation with Corynebacterium glutamicum: improvement of NADPH generation from glucose by a cyclized pentose phosphate pathway using pfkA and gapA deletion mutants. *Applied Microbiology and Biotechnology*, **2013**, 97, 143-52	5.7	33
119	Combined fluxomics and transcriptomics analysis of glucose catabolism via a partially cyclic pentose phosphate pathway in Gluconobacter oxydans 621H. *Applied and Environmental Microbiology*, **2013**, 79, 2336-48	4.8	49
118	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, 6006-15	4.8	110
117	Evidence for a key role of cytochrome bo3 oxidase in respiratory energy metabolism of Gluconobacter oxydans. *Journal of Bacteriology*, **2013**, 195, 4210-20	3.5	43
116	Metabolic engineering of microorganisms for the synthesis of plant natural products. *Journal of Biotechnology*, **2013**, 163, 166-78	3.7	162
115	Bio-based production of organic acids with Corynebacterium glutamicum. *Microbial Biotechnology*, **2013**, 6, 87-102	6.3	135
114	Toward biotechnological production of adipic acid and precursors from biorenewables. *Journal of Biotechnology*, **2013**, 167, 75-84	3.7	183
113	TCA Cycle and Glyoxylate Shunt of Corynebacterium glutamicum. *Microbiology Monographs*, **2013**, 281-313	1.3	4
112	Conversion of Corynebacterium glutamicum from an aerobic respiring to an aerobic fermenting bacterium by inactivation of the respiratory chain. *Biochimica Et Biophysica Acta - Bioenergetics*, **2013**, 1827, 699-708	4.6	31
111	Role of the pentose phosphate pathway and the Entner-Doudoroff pathway in glucose metabolism of Gluconobacter oxydans 621H. *Applied Microbiology and Biotechnology*, **2013**, 97, 4315-23	5.7	34
110	Complex regulation of the phosphoenolpyruvate carboxykinase gene pck and characterization of its GntR-type regulator IolR as a repressor of myo-inositol utilization genes in Corynebacterium glutamicum. *Journal of Bacteriology*, **2013**, 195, 4283-96	3.5	49
109	Recombineering in Corynebacterium glutamicum combined with optical nanosensors: a general strategy for fast producer strain generation. *Nucleic Acids Research*, **2013**, 41, 6360-9	20.1	120
108	Crystal and solution studies reveal that the transcriptional regulator AcnR of Corynebacterium glutamicum is regulated by citrate-Mg2+ binding to a non-canonical pocket. *Journal of Biological Chemistry*, **2013**, 288, 15800-12	5.4	8
107	Secretory production of an FAD cofactor-containing cytosolic enzyme (sorbitol-xylitol oxidase from Streptomyces coelicolor) using the twin-arginine translocation (Tat) pathway of Corynebacterium glutamicum. *Microbial Biotechnology*, **2013**, 6, 202-6	6.3	19
106	Proline addition increases the efficiency of l-lysine production byCorynebacterium glutamicum. *Engineering in Life Sciences*, **2013**, 13, 393-398	3.4	1

105	C1 metabolism in Corynebacterium glutamicum: an endogenous pathway for oxidation of methanol to carbon dioxide. *Applied and Environmental Microbiology*, **2013**, 79, 6974-83	4.8	43
104	Visualization of imbalances in sulfur assimilation and synthesis of sulfur-containing amino acids at the single-cell level. *Applied and Environmental Microbiology*, **2013**, 79, 6730-6	4.8	8
103	Efficient aerobic succinate production from glucose in minimal medium with Corynebacterium glutamicum. *Microbial Biotechnology*, **2012**, 5, 116-28	6.3	104
102	Engineering yield and rate of reductive biotransformation in Escherichia coli by partial cyclization of the pentose phosphate pathway and PTS-independent glucose transport. *Applied Microbiology and Biotechnology*, **2012**, 93, 1459-67	5.7	29
101	A high-throughput approach to identify genomic variants of bacterial metabolite producers at the single-cell level. *Genome Biology*, **2012**, 13, R40	18.3	185
100	Physiology and global gene expression of a Corynebacterium glutamicum ΔF(1)F(O)-ATP synthase mutant devoid of oxidative phosphorylation. *Biochimica Et Biophysica Acta - Bioenergetics*, **2012**, 1817, 370-80	4.6	35
99	Lrp of Corynebacterium glutamicum controls expression of the brnFE operon encoding the export system for L-methionine and branched-chain amino acids. *Journal of Biotechnology*, **2012**, 158, 231-41	3.7	67
98	Influence of oxygen limitation, absence of the cytochrome bc(1) complex and low pH on global gene expression in Gluconobacter oxydans 621H using DNA microarray technology. *Journal of Biotechnology*, **2012**, 157, 359-72	3.7	39
97	The development and application of a single-cell biosensor for the detection of l-methionine and branched-chain amino acids. *Metabolic Engineering*, **2012**, 14, 449-57	9.7	170
96	Corynebacterium glutamicum harbours a molybdenum cofactor-dependent formate dehydrogenase which alleviates growth inhibition in the presence of formate. *Microbiology (United Kingdom)*, **2012**, 158, 2428-2439	2.9	15
95	Specific association of lectin LecB with the surface of Pseudomonas aeruginosa: role of outer membrane protein OprF. *PLoS ONE*, **2012**, 7, e46857	3.7	30
94	Toward homosuccinate fermentation: metabolic engineering of Corynebacterium glutamicum for anaerobic production of succinate from glucose and formate. *Applied and Environmental Microbiology*, **2012**, 78, 3325-37	4.8	170
93	Improved L-lysine production with Corynebacterium glutamicum and systemic insight into citrate synthase flux and activity. *Biotechnology and Bioengineering*, **2012**, 109, 2070-81	4.9	107
92	Expressionsoptimierung in Mikroorganismen. *BioSpektrum*, **2012**, 18, 449-451	0.1	
91	Two-component signal transduction in Corynebacterium glutamicum and other corynebacteria: on the way towards stimuli and targets. *Applied Microbiology and Biotechnology*, **2012**, 94, 1131-50	5.7	25
90	The two-component system ChrSA is crucial for haem tolerance and interferes with HrrSA in haem-dependent gene regulation in Corynebacterium glutamicum. *Microbiology (United Kingdom)*, **2012**, 158, 3020-3031	2.9	18
89	Mutational analysis of the pentose phosphate and Entner-Doudoroff pathways in Gluconobacter oxydans reveals improved growth of a Δedd Δeda mutant on mannitol. *Applied and Environmental Microbiology*, **2012**, 78, 6975-86	4.8	42
88	The two-component signal transduction system CopRS of Corynebacterium glutamicum is required for adaptation to copper-excess stress. *PLoS ONE*, **2011**, 6, e22143	3.7	29

87	Increased NADPH availability in Escherichia coli: improvement of the product per glucose ratio in reductive whole-cell biotransformation. *Applied Microbiology and Biotechnology*, **2011**, 92, 929-37	5.7	45
86	Corynebacterium glutamicum as a host for synthesis and export of D-Amino Acids. *Journal of Bacteriology*, **2011**, 193, 1702-9	3.5	48
85	Biochemical characterisation of aconitase from Corynebacterium glutamicum. *Journal of Biotechnology*, **2011**, 154, 163-70	3.7	20
84	Citrate synthase in Corynebacterium glutamicum is encoded by two gltA transcripts which are controlled by RamA, RamB, and GlxR. *Journal of Biotechnology*, **2011**, 154, 140-8	3.7	42
83	Glycosylation is required for outer membrane localization of the lectin LecB in Pseudomonas aeruginosa. *Journal of Bacteriology*, **2011**, 193, 1107-13	3.5	18
82	Control of heme homeostasis in Corynebacterium glutamicum by the two-component system HrrSA. *Journal of Bacteriology*, **2011**, 193, 1212-21	3.5	35
81	Target genes, consensus binding site, and role of phosphorylation for the response regulator MtrA of Corynebacterium glutamicum. *Journal of Bacteriology*, **2011**, 193, 1237-49	3.5	30
80	Deletion of the aconitase gene in Corynebacterium glutamicum causes strong selection pressure for secondary mutations inactivating citrate synthase. *Journal of Bacteriology*, **2011**, 193, 6864-73	3.5	23
79	Link between phosphate starvation and glycogen metabolism in Corynebacterium glutamicum, revealed by metabolomics. *Applied and Environmental Microbiology*, **2010**, 76, 6910-9	4.8	24
78	RosR (Cg1324), a hydrogen peroxide-sensitive MarR-type transcriptional regulator of Corynebacterium glutamicum. *Journal of Biological Chemistry*, **2010**, 285, 29305-18	5.4	45
77	The nonphosphorylative Entner-Doudoroff pathway in the thermoacidophilic euryarchaeon Picrophilus torridus involves a novel 2-keto-3-deoxygluconate- specific aldolase. *Journal of Bacteriology*, **2010**, 192, 964-74	3.5	45
76	L-Glutamine as a nitrogen source for Corynebacterium glutamicum: derepression of the AmtR regulon and implications for nitrogen sensing. *Microbiology (United Kingdom)*, **2010**, 156, 3180-3193	2.9	18
75	Metabolic engineering of Gluconobacter oxydans for improved growth rate and growth yield on glucose by elimination of gluconate formation. *Applied and Environmental Microbiology*, **2010**, 76, 4369-76	4.8	60
74	Charge reversal of the rodlike colloidal fd virus through surface chemical modification. *Langmuir*, **2010**, 26, 10593-9	4	18
73	OdhI dephosphorylation kinetics during different glutamate production processes involving Corynebacterium glutamicum. *Applied Microbiology and Biotechnology*, **2010**, 87, 1867-74	5.7	17
72	The FHA domain of OdhI interacts with the carboxyterminal 2-oxoglutarate dehydrogenase domain of OdhA in Corynebacterium glutamicum. *FEBS Letters*, **2010**, 584, 1463-8	3.8	24
71	The Corynebacterium glutamicum aconitase repressor: scratching around for crystals. *Acta Crystallographica Section F: Structural Biology Communications*, **2010**, 66, 1074-7		3
70	Signal Transduction by Serine/Threonine Protein Kinases in Bacteria **2009**, 427-447		

69	Crystal structure of the caseinolytic protease gene regulator, a transcriptional activator in actinomycetes. *Journal of Biological Chemistry*, **2009**, 284, 5208-16	5.4	12
68	Citrate utilization by Corynebacterium glutamicum is controlled by the CitAB two-component system through positive regulation of the citrate transport genes citH and tctCBA. *Journal of Bacteriology*, **2009**, 191, 3869-80	3.5	54
67	Genetic and biochemical analysis of the serine/threonine protein kinases PknA, PknB, PknG and PknL of Corynebacterium glutamicum: evidence for non-essentiality and for phosphorylation of OdhI and FtsZ by multiple kinases. *Molecular Microbiology*, **2009**, 74, 724-41	4.1	81
66	Complex expression control of the Corynebacterium glutamicum aconitase gene: identification of RamA as a third transcriptional regulator besides AcnR and RipA. *Journal of Biotechnology*, **2009**, 140, 92-8	3.7	29
65	Transcriptional control of the succinate dehydrogenase operon sdhCAB of Corynebacterium glutamicum by the cAMP-dependent regulator GlxR and the LuxR-type regulator RamA. *Journal of Biotechnology*, **2009**, 143, 173-82	3.7	45
64	A ligand-induced switch in the periplasmic domain of sensor histidine kinase CitA. *Journal of Molecular Biology*, **2008**, 377, 512-23	6.5	99
63	Population Heterogeneity in Corynebacterium glutamicum ATCC 13032 caused by prophage CGP3. *Journal of Bacteriology*, **2008**, 190, 5111-9	3.5	40
62	Co-ordinated regulation of gluconate catabolism and glucose uptake in Corynebacterium glutamicum by two functionally equivalent transcriptional regulators, GntR1 and GntR2. *Molecular Microbiology*, **2008**, 67, 305-22	4.1	123
61	Characterization of citrate utilization in Corynebacterium glutamicum by transcriptome and proteome analysis. *FEMS Microbiology Letters*, **2007**, 273, 109-19	2.9	58
60	Expression of the Escherichia coli pntAB genes encoding a membrane-bound transhydrogenase in Corynebacterium glutamicum improves L-lysine formation. *Applied Microbiology and Biotechnology*, **2007**, 75, 47-53	5.7	110
59	Glutamate production by Corynebacterium glutamicum: dependence on the oxoglutarate dehydrogenase inhibitor protein OdhI and protein kinase PknG. *Applied Microbiology and Biotechnology*, **2007**, 76, 691-700	5.7	98
58	Dedication to Professor Dr. Hermann Sahm on the occasion of his 65th birthday. *Applied Microbiology and Biotechnology*, **2007**, 76, 483-4	5.7	
57	Target genes and DNA-binding sites of the response regulator PhoR from Corynebacterium glutamicum. *Journal of Bacteriology*, **2007**, 189, 5002-11	3.5	39
56	Role of cytochrome bd oxidase from Corynebacterium glutamicum in growth and lysine production. *Applied and Environmental Microbiology*, **2007**, 73, 861-8	4.8	52
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54	Offering surprises: TCA cycle regulation in Corynebacterium glutamicum. *Trends in Microbiology*, **2007**, 15, 417-25	12.4	94
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