

# Andreas Burkovski

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

165  
papers

5,436  
citations

41  
h-index

67  
g-index

174  
ext. papers

6,165  
ext. citations

3.9  
avg, IF

5.46  
L-index

#	Paper	IF	Citations
165	Insights of OxyR role in mechanisms of host-pathogen interaction of <i>Corynebacterium diphtheriae</i> .. <i>Brazilian Journal of Microbiology</i> , <b>2022</b> , 1	2.2	0
164	Root Canal Obturation by Electrochemical Precipitation of Calcium Phosphates. <i>Applied Sciences (Switzerland)</i> , <b>2022</b> , 12, 2956	2.6	0
163	How to Implement Safe, Efficient and Cost-Effective SARS-CoV-2 Testing in Urban and Rural Schools within One Month. <i>Covid</i> , <b>2021</b> , 1, 717-727		0
162	Results of WICOVIR Gargle Pool PCR Testing in German Schools Based on the First 100,000 Tests. <i>Frontiers in Pediatrics</i> , <b>2021</b> , 9, 721518	3.4	2
161	Crystal structures of adenylylated and unadenylylated P protein GlnK from <i>Corynebacterium glutamicum</i> . <i>Acta Crystallographica Section D: Structural Biology</i> , <b>2021</b> , 77, 325-335	5.5	1
160	Newly Isolated Animal Pathogen Is Cytotoxic to Human Epithelial Cells. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	5
159	Treat Me Well or Will Resist: Uptake of Mobile Genetic Elements Determine the Resistome of. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
158	A Survey of Biological Building Blocks for Synthetic Molecular Communication Systems. <i>IEEE Communications Surveys and Tutorials</i> , <b>2020</b> , 22, 2765-2800	37.1	16
157	Phylogenomic characterisation of a novel corynebacterial species pathogenic to animals. <i>Antonie Van Leeuwenhoek</i> , <b>2020</b> , 113, 1225-1239	2.1	6
156	Electrochemical Disinfection of Dental Implants Experimentally Contaminated with Microorganisms as a Model for Periimplantitis. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	4
155	Pan-omics focused to Crick's central dogma <b>2020</b> , 1-41		1
154	Insights into old and new foes: Pan-genomics of <i>Corynebacterium diphtheriae</i> and <i>Corynebacterium ulcerans</i> <b>2020</b> , 81-100		3
153	Pilot Study on the Use of a Laser-Structured Double Diamond Electrode (DDE) for Biofilm Removal from Dental Implant Surfaces. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	2
152	Cellular and Extracellular Proteome of the Animal Pathogen , a Close Relative of Zoonotic and. <i>Proteomes</i> , <b>2020</b> , 8,	4.6	3
151	Induction of Necrosis in Human Macrophage Cell Lines by and Strains Isolated from Fatal Cases of Systemic Infections. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	1
150	Using Colistin as a Trojan Horse: Inactivation of Gram-Negative Bacteria with Chlorophyllin. <i>Antibiotics</i> , <b>2019</b> , 8,	4.9	5
149	Proteomics of <i>Bordetella pertussis</i> whole-cell and acellular vaccines. <i>BMC Research Notes</i> , <b>2019</b> , 12, 329	2.3	4

148	Of mice and men: Interaction of <i>Corynebacterium diphtheriae</i> strains with murine and human phagocytes. <i>Virulence</i> , <b>2019</b> , 10, 414-428	4.7	5
147	More than a Toxin: Protein Inventory of Toxoid Vaccines. <i>Proteomes</i> , <b>2019</b> , 7,	4.6	10
146	Proteomics of diphtheria toxoid vaccines reveals multiple proteins that are immunogenic and may contribute to protection of humans against <i>Corynebacterium diphtheriae</i> . <i>Vaccine</i> , <b>2019</b> , 37, 3061-3070	4.1	14
145	What an Mutant Can Teach Us About the Antibacterial Effect of Chlorophyllin. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	14
144	Elimination of bacterial contaminations by treatment of water with boron-doped diamond electrodes. <i>World Journal of Microbiology and Biotechnology</i> , <b>2019</b> , 35, 48	4.4	7
143	Detection and virulence potential of a phospholipase D-negative <i>Corynebacterium ulcerans</i> from a concurrent diphtheria and infectious mononucleosis case. <i>Antonie Van Leeuwenhoek</i> , <b>2019</b> , 112, 1055-1065	2.1	5
142	Lack of evidence for the necessity of root canal obturation. <i>Quintessence International</i> , <b>2019</b> , 50, 22-28	2	4
141	Beyond diphtheria toxin: cytotoxic proteins of <i>Corynebacterium ulcerans</i> and <i>Corynebacterium diphtheriae</i> . <i>Microbiology (United Kingdom)</i> , <b>2019</b> , 165, 876-890	2.9	8
140	Influence of In-Situ Electrochemical Oxidation on Implant Surface and Colonizing Microorganisms Evaluated by Scanning Electron Microscopy. <i>Materials</i> , <b>2019</b> , 12,	3.5	5
139	Genome sequence of a pathogenic <i>Corynebacterium ulcerans</i> strain isolated from a wild boar with necrotizing lymphadenitis. <i>BMC Research Notes</i> , <b>2019</b> , 12, 692	2.3	3
138	Live cell imaging of macrophage/bacterium interaction demonstrates cell lysis induced by <i>Corynebacterium diphtheriae</i> and <i>Corynebacterium ulcerans</i> . <i>BMC Research Notes</i> , <b>2019</b> , 12, 695	2.3	1
137	Electrochemical Disinfection of Experimentally Infected Teeth by Boron-Doped Diamond Electrode Treatment. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	7
136	A Molecular Communication Testbed Based on Proton Pumping Bacteria: Methods and Data. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , <b>2019</b> , 5, 56-62	2.3	9
135	The role of corynomycolic acids in <i>Corynebacterium</i> -host interaction. <i>Antonie Van Leeuwenhoek</i> , <b>2018</b> , 111, 717-725	2.1	12
134	Argon Cold Plasma-A Novel Tool to Treat Therapy-resistant Corneal Infections. <i>American Journal of Ophthalmology</i> , <b>2018</b> , 190, 150-163	4.9	12
133	Surface and Extracellular Proteome of the Emerging Pathogen. <i>Proteomes</i> , <b>2018</b> , 6,	4.6	8
132	Synthesis and characterization of manganese containing mesoporous bioactive glass nanoparticles for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2018</b> , 29, 64	4.5	41
131	The C-terminal coiled-coil domain of <i>Corynebacterium diphtheriae</i> DIP0733 is crucial for interaction with epithelial cells and pathogenicity in invertebrate animal model systems. <i>BMC Microbiology</i> , <b>2018</b> , 18, 106	4.5	6

130	Genomic analyses reveal two distinct lineages of strains. <i>New Microbes and New Infections</i> , <b>2018</b> , 25, 7-13	4.1	12
129	Complete Closed Genome Sequence of Nontoxigenic Invasive <i>bv. mitis</i> Strain ISS 3319. <i>Genome Announcements</i> , <b>2018</b> , 6,		2
128	Toll-Like Receptor 2 and Mincle Cooperatively Sense Corynebacterial Cell Wall Glycolipids. <i>Infection and Immunity</i> , <b>2017</b> , 85,	3.7	26
127	Similarities in the structure of the transcriptional repressor AmtR in two different space groups suggest a model for the interaction with GlnK. <i>Acta Crystallographica Section F, Structural Biology Communications</i> , <b>2017</b> , 73, 146-151	1.1	2
126	Genomic analysis of endemic clones of toxigenic and non-toxigenic <i>Corynebacterium diphtheriae</i> in Belarus during and after the major epidemic in 1990s. <i>BMC Genomics</i> , <b>2017</b> , 18, 873	4.5	19
125	Differential NtcA Responsiveness to 2-Oxoglutarate Underlies the Diversity of C/N Balance Regulation in. <i>Frontiers in Microbiology</i> , <b>2017</b> , 8, 2641	5.7	12
124	Characterisation of <i>Roseomonas mucosa</i> isolated from the root canal of an infected tooth. <i>BMC Research Notes</i> , <b>2017</b> , 10, 212	2.3	11
123	Analysis of <i>Corynebacterium diphtheriae</i> macrophage interaction: Dispensability of corynomycolic acids for inhibition of phagolysosome maturation and identification of a new gene involved in synthesis of the corynomycolic acid layer. <i>PLoS ONE</i> , <b>2017</b> , 12, e0180105	3.7	12
122	Functional characterization of the collagen-binding protein DIP2093 and its influence on host-pathogen interaction and arthritogenic potential of <i>Corynebacterium diphtheriae</i> . <i>Microbiology (United Kingdom)</i> , <b>2017</b> , 163, 692-701	2.9	9
121	<i>Corynebacterium ulcerans</i> , an emerging human pathogen. <i>Future Microbiology</i> , <b>2016</b> , 11, 1191-208	2.9	36
120	Ion pump based bio-synthetic modulator model for diffusive molecular communications <b>2016</b> ,		5
119	Reactive receiver modeling for diffusive molecular communication systems with molecule degradation <b>2016</b> ,		6
118	Glutamine metabolism of <i>Corynebacterium glutamicum</i> : role of the glutaminase GlsK. <i>FEMS Microbiology Letters</i> , <b>2016</b> , 363,	2.9	1
117	The killing of macrophages by <i>Corynebacterium ulcerans</i> . <i>Virulence</i> , <b>2016</b> , 7, 45-55	4.7	12
116	Pathogenic properties of a <i>Corynebacterium diphtheriae</i> strain isolated from a case of osteomyelitis. <i>Journal of Medical Microbiology</i> , <b>2016</b> , 65, 1311-1321	3.2	10
115	<i>Caenorhabditis elegans</i> star formation and negative chemotaxis induced by infection with corynebacteria. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 84-93	2.9	18
114	Comprehensive Reactive Receiver Modeling for Diffusive Molecular Communication Systems: Reversible Binding, Molecule Degradation, and Finite Number of Receptors. <i>IEEE Transactions on Nanobioscience</i> , <b>2016</b> , 15, 713-727	3.4	57
113	Tellurite resistance: a putative pitfall in <i>Corynebacterium diphtheriae</i> diagnosis?. <i>Antonie Van Leeuwenhoek</i> , <b>2015</b> , 108, 1275-9	2.1	6

112	Molecular armory or niche factors: virulence determinants of <i>Corynebacterium</i> species. <i>FEMS Microbiology Letters</i> , <b>2015</b> , 362, fmv185	2.9	20
111	Adherence and invasive properties of <i>Corynebacterium diphtheriae</i> strains correlates with the predicted membrane-associated and secreted proteome. <i>BMC Genomics</i> , <b>2015</b> , 16, 765	4.5	31
110	Pathogenesis of <i>Corynebacterium diphtheriae</i> and <i>Corynebacterium ulcerans</i> <b>2015</b> , 699-709		3
109	A Proteomic Study of Subsp. Culture Supernatants. <i>Proteomes</i> , <b>2015</b> , 3, 411-423	4.6	5
108	<i>Corynebacterium diphtheriae</i> putative tellurite-resistance protein (CDCE8392_0813) contributes to the intracellular survival in human epithelial cells and lethality of <i>Caenorhabditis elegans</i> . <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2015</b> , 110, 662-8	2.6	14
107	Characterization of DIP0733, a multi-functional virulence factor of <i>Corynebacterium diphtheriae</i> . <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 639-47	2.9	24
106	Colonization of human epithelial cell lines by <i>Corynebacterium ulcerans</i> from human and animal sources. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 1582-1591	2.9	11
105	Complex formation between malate dehydrogenase and isocitrate dehydrogenase from <i>Bacillus subtilis</i> is regulated by tricarboxylic acid cycle metabolites. <i>FEBS Journal</i> , <b>2014</b> , 281, 1132-43	5.7	12
104	A lack of genetic basis for biovar differentiation in clinically important <i>Corynebacterium diphtheriae</i> from whole genome sequencing. <i>Infection, Genetics and Evolution</i> , <b>2014</b> , 21, 54-7	4.5	25
103	Toxigenic <i>Corynebacteria</i> : Adhesion, Invasion and Host Response <b>2014</b> , 143-170		6
102	Diphtheria and its Etiological Agents <b>2014</b> , 1-14		5
101	Genome-wide transcriptome analysis of <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> grown in xylem mimicking medium. <i>Journal of Biotechnology</i> , <b>2013</b> , 168, 348-54	3.7	5
100	Destabilized eYFP variants for dynamic gene expression studies in <i>Corynebacterium glutamicum</i> . <i>Microbial Biotechnology</i> , <b>2013</b> , 6, 196-201	6.3	29
99	Induction of the NFEB signal transduction pathway in response to <i>Corynebacterium diphtheriae</i> infection. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 126-135	2.9	9
98	Nitrogen starvation-induced transcriptome alterations and influence of transcription regulator mutants in <i>Mycobacterium smegmatis</i> . <i>BMC Research Notes</i> , <b>2013</b> , 6, 482	2.3	15
97	Cell envelope of corynebacteria: structure and influence on pathogenicity. <i>ISRN Microbiology</i> , <b>2013</b> , 2013, 935736		56
96	CcpA forms complexes with CodY and RpoA in <i>Bacillus subtilis</i> . <i>FEBS Journal</i> , <b>2012</b> , 279, 2201-14	5.7	23
95	Evaluation of invertebrate infection models for pathogenic corynebacteria. <i>FEMS Immunology and Medical Microbiology</i> , <b>2012</b> , 65, 413-21		28

94	The draft genome sequence of <i>Corynebacterium diphtheriae</i> bv. mitis NCTC 3529 reveals significant diversity between the primary disease-causing biovars. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 3269	3.5	15
93	Contour and persistence length of <i>Corynebacterium diphtheriae</i> pili by atomic force microscopy. <i>European Biophysics Journal</i> , <b>2012</b> , 41, 561-70	1.9	18
92	Draft genome sequence of <i>Corynebacterium diphtheriae</i> biovar intermedius NCTC 5011. <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 4738	3.5	18
91	Impact of improved potassium accumulation on pH homeostasis, membrane potential adjustment and survival of <i>Corynebacterium glutamicum</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , <b>2011</b> , 1807, 444-50	4.6	29
90	Engineering of nitrogen metabolism and its regulation in <i>Corynebacterium glutamicum</i> : influence on amino acid pools and production. <i>Applied Microbiology and Biotechnology</i> , <b>2011</b> , 89, 239-48	5.7	17
89	Comparative analysis of two complete <i>Corynebacterium ulcerans</i> genomes and detection of candidate virulence factors. <i>BMC Genomics</i> , <b>2011</b> , 12, 383	4.5	74
88	Proteomics of corynebacteria: From biotechnology workhorses to pathogens. <i>Proteomics</i> , <b>2011</b> , 11, 3244-55	4.5	14
87	Adaptation of AmtR-controlled gene expression by modulation of AmtR binding activity in <i>Corynebacterium glutamicum</i> . <i>Journal of Biotechnology</i> , <b>2011</b> , 154, 156-62	3.7	8
86	Common patterns - unique features: nitrogen metabolism and regulation in Gram-positive bacteria. <i>FEMS Microbiology Reviews</i> , <b>2010</b> , 34, 588-605	15.1	63
85	L-Glutamine as a nitrogen source for <i>Corynebacterium glutamicum</i> : derepression of the AmtR regulon and implications for nitrogen sensing. <i>Microbiology (United Kingdom)</i> , <b>2010</b> , 156, 3180-3193	2.9	18
84	The complete genome sequence of <i>Corynebacterium pseudotuberculosis</i> FRC41 isolated from a 12-year-old girl with necrotizing lymphadenitis reveals insights into gene-regulatory networks contributing to virulence. <i>BMC Genomics</i> , <b>2010</b> , 11, 728	4.5	81
83	<i>Corynebacterium diphtheriae</i> invasion-associated protein (DIP1281) is involved in cell surface organization, adhesion and internalization in epithelial cells. <i>BMC Microbiology</i> , <b>2010</b> , 10, 2	4.5	47
82	Strain-specific differences in pili formation and the interaction of <i>Corynebacterium diphtheriae</i> with host cells. <i>BMC Microbiology</i> , <b>2010</b> , 10, 257	4.5	36
81	Impact of adenylyltransferase GlnE on nitrogen starvation response in <i>Corynebacterium glutamicum</i> . <i>Journal of Biotechnology</i> , <b>2010</b> , 145, 244-52	3.7	10
80	Identification of a glucose permease from <i>Mycobacterium smegmatis</i> mc2 155. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2009</b> , 16, 169-75	0.9	7
79	Crystallization and preliminary crystallographic analysis of the global nitrogen regulator AmtR from <i>Corynebacterium glutamicum</i> . <i>Acta Crystallographica Section F: Structural Biology Communications</i> , <b>2009</b> , 65, 1123-7		6
78	DNA binding by <i>Corynebacterium glutamicum</i> TetR-type transcription regulator AmtR. <i>BMC Molecular Biology</i> , <b>2009</b> , 10, 73	4.5	12
77	A combination of metabolome and transcriptome analyses reveals new targets of the <i>Corynebacterium glutamicum</i> nitrogen regulator AmtR. <i>Journal of Biotechnology</i> , <b>2009</b> , 140, 68-74	3.7	34

76	A game with many players: control of <i>gdh</i> transcription in <i>Corynebacterium glutamicum</i> . <i>Journal of Biotechnology</i> , <b>2009</b> , 142, 114-22	3.7	23
75	Modeling and simulation of nitrogen regulation in <i>Corynebacterium glutamicum</i> . <i>Discrete Applied Mathematics</i> , <b>2009</b> , 157, 2232-2243	1	2
74	A genomic view on nitrogen metabolism and nitrogen control in mycobacteria. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2009</b> , 17, 20-9	0.9	45
73	Methionine uptake in <i>Corynebacterium glutamicum</i> by MetQNI and by MetPS, a novel methionine and alanine importer of the NSS neurotransmitter transporter family. <i>Biochemistry</i> , <b>2008</b> , 47, 12698-7093.2	3.2	20
72	Nitrogen control in <i>Mycobacterium smegmatis</i> : nitrogen-dependent expression of ammonium transport and assimilation proteins depends on the OmpR-type regulator GlnR. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 7108-16	3.5	51
71	Dissection of ammonium uptake systems in <i>Corynebacterium glutamicum</i> : mechanism of action and energetics of AmtA and AmtB. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 2611-4	3.5	18
70	A proteomic study of <i>Corynebacterium glutamicum</i> AAA+ protease FtsH. <i>BMC Microbiology</i> , <b>2007</b> , 7, 6	4.5	18
69	FarR, a putative regulator of amino acid metabolism in <i>Corynebacterium glutamicum</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2007</b> , 76, 625-32	5.7	25
68	A glucose kinase from <i>Mycobacterium smegmatis</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2007</b> , 12, 75-81	0.9	10
67	Nitrogen metabolism and nitrogen control in corynebacteria: variations of a common theme. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2007</b> , 12, 131-8	0.9	23
66	A genomic view of sugar transport in <i>Mycobacterium smegmatis</i> and <i>Mycobacterium tuberculosis</i> . <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 5903-15	3.5	73
65	Sugar transport systems of <i>Bifidobacterium longum</i> NCC2705. <i>Journal of Molecular Microbiology and Biotechnology</i> , <b>2007</b> , 12, 9-19	0.9	85
64	Nitrogen control in <i>Corynebacterium glutamicum</i> : proteins, mechanisms, signals. <i>Journal of Microbiology and Biotechnology</i> , <b>2007</b> , 17, 187-94	3.3	20
63	Ammonium toxicity in bacteria. <i>Current Microbiology</i> , <b>2006</b> , 52, 400-6	2.4	126
62	Application of global analysis techniques to <i>Corynebacterium glutamicum</i> : new insights into nitrogen regulation. <i>Journal of Biotechnology</i> , <b>2006</b> , 126, 101-10	3.7	23
61	Mutation-induced metabolite pool alterations in <i>Corynebacterium glutamicum</i> : towards the identification of nitrogen control signals. <i>Journal of Biotechnology</i> , <b>2006</b> , 126, 440-53	3.7	15
60	Protein and proteome phosphorylation stoichiometry analysis by element mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 1987-94	7.8	70
59	Proteomics of <i>Corynebacterium glutamicum</i> : essential industrial bacterium. <i>Methods of Biochemical Analysis</i> , <b>2006</b> , 49, 137-47		5



58	DNA microarray analysis of the nitrogen starvation response of <i>Corynebacterium glutamicum</i> . <i>Journal of Biotechnology</i> , <b>2005</b> , 119, 357-67	3.7	41
57	Adaptation of <i>Corynebacterium glutamicum</i> to ammonium limitation: a global analysis using transcriptome and proteome techniques. <i>Applied and Environmental Microbiology</i> , <b>2005</b> , 71, 2391-402	4.8	61
56	Proteomics of <i>Corynebacterium glutamicum</i> : Essential Industrial Bacterium. <i>Methods of Biochemical Analysis</i> , <b>2005</b> , 135-147		
55	Regulation of AmtR-controlled gene expression in <i>Corynebacterium glutamicum</i> : mechanism and characterization of the AmtR regulon. <i>Molecular Microbiology</i> , <b>2005</b> , 58, 580-95	4.1	72
54	Vanillate metabolism in <i>Corynebacterium glutamicum</i> . <i>Current Microbiology</i> , <b>2005</b> , 51, 59-65	2.4	89
53	Characterization of methionine export in <i>Corynebacterium glutamicum</i> . <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 3786-94	3.5	73
52	Regulation of GlnK activity: modification, membrane sequestration and proteolysis as regulatory principles in the network of nitrogen control in <i>Corynebacterium glutamicum</i> . <i>Molecular Microbiology</i> , <b>2004</b> , 54, 132-47	4.1	87
51	Utilization of creatinine as an alternative nitrogen source in <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , <b>2004</b> , 181, 443-50	3	20
50	Identification and characterization of the main beta-alanine uptake system in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2004</b> , 65, 576-82	5.7	31
49	Molecular identification of the urea uptake system and transcriptional analysis of urea transporter- and urease-encoding genes in <i>Corynebacterium glutamicum</i> . <i>Journal of Bacteriology</i> , <b>2004</b> , 186, 7645-52	3.5	67
48	I do it my way: Regulation of ammonium uptake and ammonium assimilation in <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , <b>2003</b> , 179, 83-8	3	34
47	GltS, the sodium-coupled L-glutamate uptake system of <i>Corynebacterium glutamicum</i> : identification of the corresponding gene and impact on L-glutamate production. <i>Applied Microbiology and Biotechnology</i> , <b>2003</b> , 60, 738-42	5.7	21
46	Ammonium assimilation and nitrogen control in <i>Corynebacterium glutamicum</i> and its relatives: an example for new regulatory mechanisms in actinomycetes. <i>FEMS Microbiology Reviews</i> , <b>2003</b> , 27, 617-28	15.1	65
45	Identification of an anion-specific channel in the cell wall of the Gram-positive bacterium <i>Corynebacterium glutamicum</i> . <i>Molecular Microbiology</i> , <b>2003</b> , 50, 1295-308	4.1	44
44	Towards a phosphoproteome map of <i>Corynebacterium glutamicum</i> . <i>Proteomics</i> , <b>2003</b> , 3, 1637-46	4.8	139
43	PorA represents the major cell wall channel of the Gram-positive bacterium <i>Corynebacterium glutamicum</i> . <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 4779-86	3.5	34
42	The complete <i>Corynebacterium glutamicum</i> ATCC 13032 genome sequence and its impact on the production of L-aspartate-derived amino acids and vitamins. <i>Journal of Biotechnology</i> , <b>2003</b> , 104, 5-25	3.7	75 <sup>0</sup>
41	Bacterial amino acid transport proteins: occurrence, functions, and significance for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , <b>2002</b> , 58, 265-74	5.7	127



40	Influence of threonine exporters on threonine production in <i>Escherichia coli</i> . <i>Applied Microbiology and Biotechnology</i> , <b>2002</b> , 59, 205-10	5.7	67
39	Nitrogen assimilation in <i>Corynebacterium diphtheriae</i> : pathways and regulatory cascades. <i>FEMS Microbiology Letters</i> , <b>2002</b> , 208, 287-93	2.9	11
38	Sensing nitrogen limitation in <i>Corynebacterium glutamicum</i> : the role of glnK and glnD. <i>Molecular Microbiology</i> , <b>2001</b> , 42, 1281-95	4.1	53
37	Glutamate synthase of <i>Corynebacterium glutamicum</i> is not essential for glutamate synthesis and is regulated by the nitrogen status. <i>Microbiology (United Kingdom)</i> , <b>2001</b> , 147, 2961-70	2.9	52
36	The low-molecular-mass subunit of the cell wall channel of the Gram-positive <i>Corynebacterium glutamicum</i> . Immunological localization, cloning and sequencing of its gene porA. <i>FEBS Journal</i> , <b>2001</b> , 268, 462-9		12
35	Proteome analysis of <i>Corynebacterium glutamicum</i> . <i>Electrophoresis</i> , <b>2001</b> , 22, 1712-23	3.6	94
34	Analysis of threonine uptake in <i>Escherichia coli</i> threonine production strains. <i>Biotechnology Letters</i> , <b>2001</b> , 23, 401-404	3	6
33	Glutamine synthetases of <i>Corynebacterium glutamicum</i> : transcriptional control and regulation of activity. <i>FEMS Microbiology Letters</i> , <b>2001</b> , 201, 91-8	2.9	59
32	Detection of fluorescence dye-labeled proteins in 2-D gels using an Arthur 1442 Multiwavelength Fluoroimager. <i>BioTechniques</i> , <b>2001</b> , 31, 146-9	2.5	10
31	The low-molecular-mass subunit of the cell wall channel of the Gram-positive <i>Corynebacterium glutamicum</i> . Immunological localization, cloning and sequencing of its gene porA. <i>FEBS Journal</i> , <b>2001</b> , 268, 462-469		15
30	Multiplicity of ammonium uptake systems in <i>Corynebacterium glutamicum</i> : role of Amt and AmtB. <i>Microbiology (United Kingdom)</i> , <b>2001</b> , 147, 135-43	2.9	76
29	Two-dimensional electrophoretic analysis of <i>Corynebacterium glutamicum</i> membrane fraction and surface proteins. <i>Electrophoresis</i> , <b>2000</b> , 21, 654-9	3.6	50
28	AmtR, a global repressor in the nitrogen regulation system of <i>Corynebacterium glutamicum</i> . <i>Molecular Microbiology</i> , <b>2000</b> , 37, 964-77	4.1	87
27	Response to nitrogen starvation in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , <b>2000</b> , 187, 83-8	2.9	29
26	Urease of <i>Corynebacterium glutamicum</i> : organization of corresponding genes and investigation of activity. <i>FEMS Microbiology Letters</i> , <b>2000</b> , 189, 305-10	2.9	22
25	Polyamine transport and role of potE in response to osmotic stress in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 6247-9	3.5	46
24	Nitrogen regulation in <i>Corynebacterium glutamicum</i> : isolation of genes involved and biochemical characterization of corresponding proteins. <i>FEMS Microbiology Letters</i> , <b>1999</b> , 173, 303-10	2.9	58
23	Construction and application of new <i>Corynebacterium glutamicum</i> vectors. <i>Biotechnology Letters</i> , <b>1999</b> , 13, 437-441		133

22	Mapping and identification of <i>Corynebacterium glutamicum</i> proteins by two-dimensional gel electrophoresis and microsequencing. <i>Electrophoresis</i> , <b>1998</b> , 19, 3217-21	3.6	37
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20	Urea uptake and urease activity in <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , <b>1998</b> , 169, 411-6	3	33
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18	Osmo-sensing by N- and C-terminal extensions of the glycine betaine uptake system BetP of <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 2567-74	5.4	75
17	The phosphate carrier from yeast mitochondria. Dimerization is a prerequisite for function. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 14269-76	5.4	71
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15	<i>Corynebacterium glutamicum</i> is equipped with four secondary carriers for compatible solutes: identification, sequencing, and characterization of the proline/ectoine uptake system, ProP, and the ectoine/proline/glycine betaine carrier, EctP. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 6005-12	3.5	97
14	Rapid detection of bacterial surface proteins using an enzyme-linked immunosorbent assay system. <i>Journal of Proteomics</i> , <b>1997</b> , 34, 69-71		6
13	Ultrastructure of the <i>Corynebacterium glutamicum</i> cell wall. <i>Antonie Van Leeuwenhoek</i> , <b>1997</b> , 72, 291-7	2.1	29
12	Isolation of the putP gene of <i>Corynebacterium glutamicum</i> and characterization of a low-affinity uptake system for compatible solutes. <i>Archives of Microbiology</i> , <b>1997</b> , 168, 143-51	3	29
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9	Characterization of a secondary uptake system for l-glutamate in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , <b>1996</b> , 136, 169-173	2.9	8
8	Functional and genetic characterization of the (methyl)ammonium uptake carrier of <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 5398-403	5.4	93
7	Glutamate excretion in <i>Escherichia coli</i> : dependency on the relA and spoT genotype. <i>Archives of Microbiology</i> , <b>1995</b> , 164, 24-8	3	12
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2	Glutamine synthetases of <i>Corynebacterium glutamicum</i> : transcriptional control and regulation of activity		3
1	Nitrogen regulation in <i>Corynebacterium glutamicum</i> : isolation of genes involved and biochemical characterization of corresponding proteins		1