

Andreas Burkovski

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165
papers

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67
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174
ext. papers

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ext. citations

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L-index

#	Paper	IF	Citations
165	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> , 2003 , 104, 5-25	3.7	750
164	Towards a phosphoproteome map of <i>Corynebacterium glutamicum</i> . <i>Proteomics</i> , 2003 , 3, 1637-46	4.8	139
163	Construction and application of new <i>Corynebacterium glutamicum</i> vectors. <i>Biotechnology Letters</i> , 1999 , 13, 437-441		133
162	Bacterial amino acid transport proteins: occurrence, functions, and significance for biotechnological applications. <i>Applied Microbiology and Biotechnology</i> , 2002 , 58, 265-74	5.7	127
161	Ammonium toxicity in bacteria. <i>Current Microbiology</i> , 2006 , 52, 400-6	2.4	126
160	Isolation, characterization, and expression of the <i>Corynebacterium glutamicum</i> betP gene, encoding the transport system for the compatible solute glycine betaine. <i>Journal of Bacteriology</i> , 1996 , 178, 5229-34	3.5	102
159	<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> , 1998 , 180, 6005-12	3.5	97
158	Proteome analysis of <i>Corynebacterium glutamicum</i> . <i>Electrophoresis</i> , 2001 , 22, 1712-23	3.6	94
157	Functional and genetic characterization of the (methyl)ammonium uptake carrier of <i>Corynebacterium glutamicum</i> . <i>Journal of Biological Chemistry</i> , 1996 , 271, 5398-403	5.4	93
156	Vanillate metabolism in <i>Corynebacterium glutamicum</i> . <i>Current Microbiology</i> , 2005 , 51, 59-65	2.4	89
155	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> , 2004 , 54, 132-47	4.1	87
154	AmtR, a global repressor in the nitrogen regulation system of <i>Corynebacterium glutamicum</i> . <i>Molecular Microbiology</i> , 2000 , 37, 964-77	4.1	87
153	Sugar transport systems of <i>Bifidobacterium longum</i> NCC2705. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2007 , 12, 9-19	0.9	85
152	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> , 2010 , 11, 728	4.5	81
151	Multiplicity of ammonium uptake systems in <i>Corynebacterium glutamicum</i> : role of Amt and AmtB. <i>Microbiology (United Kingdom)</i> , 2001 , 147, 135-43	2.9	76
150	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> , 1998 , 273, 2567-74	5.4	75
149	Comparative analysis of two complete <i>Corynebacterium ulcerans</i> genomes and detection of candidate virulence factors. <i>BMC Genomics</i> , 2011 , 12, 383	4.5	74

148	A genomic view of sugar transport in Mycobacterium smegmatis and Mycobacterium tuberculosis. <i>Journal of Bacteriology</i> , 2007 , 189, 5903-15	3.5	73
147	Characterization of methionine export in Corynebacterium glutamicum. <i>Journal of Bacteriology</i> , 2005 , 187, 3786-94	3.5	73
146	Regulation of AmtR-controlled gene expression in Corynebacterium glutamicum: mechanism and characterization of the AmtR regulon. <i>Molecular Microbiology</i> , 2005 , 58, 580-95	4.1	72
145	The phosphate carrier from yeast mitochondria. Dimerization is a prerequisite for function. <i>Journal of Biological Chemistry</i> , 1998 , 273, 14269-76	5.4	71
144	Protein and proteome phosphorylation stoichiometry analysis by element mass spectrometry. <i>Analytical Chemistry</i> , 2006 , 78, 1987-94	7.8	70
143	Molecular identification of the urea uptake system and transcriptional analysis of urea transporter- and urease-encoding genes in Corynebacterium glutamicum. <i>Journal of Bacteriology</i> , 2004 , 186, 7645-52 ^{3.5}	3.5	67
142	Influence of threonine exporters on threonine production in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 2002 , 59, 205-10	5.7	67
141	Ammonium assimilation and nitrogen control in Corynebacterium glutamicum and its relatives: an example for new regulatory mechanisms in actinomycetes. <i>FEMS Microbiology Reviews</i> , 2003 , 27, 617-28 ^{15.1}	15.1	65
140	Biochemical and biophysical characterization of the cell wall porin of Corynebacterium glutamicum: the channel is formed by a low molecular mass polypeptide. <i>Biochemistry</i> , 1998 , 37, 15024-32	3.2	65
139	Common patterns - unique features: nitrogen metabolism and regulation in Gram-positive bacteria. <i>FEMS Microbiology Reviews</i> , 2010 , 34, 588-605	15.1	63
138	Adaptation of Corynebacterium glutamicum to ammonium limitation: a global analysis using transcriptome and proteome techniques. <i>Applied and Environmental Microbiology</i> , 2005 , 71, 2391-402	4.8	61
137	Glutamine synthetases of Corynebacterium glutamicum: transcriptional control and regulation of activity. <i>FEMS Microbiology Letters</i> , 2001 , 201, 91-8	2.9	59
136	Nitrogen regulation in Corynebacterium glutamicum: isolation of genes involved and biochemical characterization of corresponding proteins. <i>FEMS Microbiology Letters</i> , 1999 , 173, 303-10	2.9	58
135	Comprehensive Reactive Receiver Modeling for Diffusive Molecular Communication Systems: Reversible Binding, Molecule Degradation, and Finite Number of Receptors. <i>IEEE Transactions on Nanobioscience</i> , 2016 , 15, 713-727	3.4	57
134	Cell envelope of corynebacteria: structure and influence on pathogenicity. <i>ISRN Microbiology</i> , 2013 , 2013, 935736		56
133	Sensing nitrogen limitation in Corynebacterium glutamicum: the role of glnK and glnD. <i>Molecular Microbiology</i> , 2001 , 42, 1281-95	4.1	53
132	Glutamate synthase of Corynebacterium glutamicum is not essential for glutamate synthesis and is regulated by the nitrogen status. <i>Microbiology (United Kingdom)</i> , 2001 , 147, 2961-70	2.9	52
131	Nitrogen control in Mycobacterium smegmatis: nitrogen-dependent expression of ammonium transport and assimilation proteins depends on the OmpR-type regulator GlnR. <i>Journal of Bacteriology</i> , 2008 , 190, 7108-16	3.5	51

130	Two-dimensional electrophoretic analysis of <i>Corynebacterium glutamicum</i> membrane fraction and surface proteins. <i>Electrophoresis</i> , 2000 , 21, 654-9	3.6	50
129	<i>Corynebacterium diphtheriae</i> invasion-associated protein (DIP1281) is involved in cell surface organization, adhesion and internalization in epithelial cells. <i>BMC Microbiology</i> , 2010 , 10, 2	4.5	47
128	Polyamine transport and role of potE in response to osmotic stress in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , 2000 , 182, 6247-9	3.5	46
127	A genomic view on nitrogen metabolism and nitrogen control in mycobacteria. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009 , 17, 20-9	0.9	45
126	Isoleucine uptake in <i>Corynebacterium glutamicum</i> ATCC 13032 is directed by the brnQ gene product. <i>Archives of Microbiology</i> , 1998 , 169, 303-12	3	45
125	Identification of an anion-specific channel in the cell wall of the Gram-positive bacterium <i>Corynebacterium glutamicum</i> . <i>Molecular Microbiology</i> , 2003 , 50, 1295-308	4.1	44
124	Synthesis and characterization of manganese containing mesoporous bioactive glass nanoparticles for biomedical applications. <i>Journal of Materials Science: Materials in Medicine</i> , 2018 , 29, 64	4.5	41
123	DNA microarray analysis of the nitrogen starvation response of <i>Corynebacterium glutamicum</i> . <i>Journal of Biotechnology</i> , 2005 , 119, 357-67	3.7	41
122	Isolation of the <i>Corynebacterium glutamicum</i> glnA gene encoding glutamine synthetase I. <i>FEMS Microbiology Letters</i> , 1997 , 154, 81-8	2.9	38
121	Mapping and identification of <i>Corynebacterium glutamicum</i> proteins by two-dimensional gel electrophoresis and microsequencing. <i>Electrophoresis</i> , 1998 , 19, 3217-21	3.6	37
120	<i>Corynebacterium ulcerans</i> , an emerging human pathogen. <i>Future Microbiology</i> , 2016 , 11, 1191-208	2.9	36
119	Strain-specific differences in pili formation and the interaction of <i>Corynebacterium diphtheriae</i> with host cells. <i>BMC Microbiology</i> , 2010 , 10, 257	4.5	36
118	A combination of metabolome and transcriptome analyses reveals new targets of the <i>Corynebacterium glutamicum</i> nitrogen regulator AmtR. <i>Journal of Biotechnology</i> , 2009 , 140, 68-74	3.7	34
117	I do it my way: Regulation of ammonium uptake and ammonium assimilation in <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , 2003 , 179, 83-8	3	34
116	PorA represents the major cell wall channel of the Gram-positive bacterium <i>Corynebacterium glutamicum</i> . <i>Journal of Bacteriology</i> , 2003 , 185, 4779-86	3.5	34
115	Urea uptake and urease activity in <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , 1998 , 169, 411-6	3	33
114	The role of the <i>Corynebacterium glutamicum</i> rel gene in (p)ppGpp metabolism. <i>Microbiology (United Kingdom)</i> , 1998 , 144 (Pt 7), 1853-1862	2.9	32
113	Adherence and invasive properties of <i>Corynebacterium diphtheriae</i> strains correlates with the predicted membrane-associated and secreted proteome. <i>BMC Genomics</i> , 2015 , 16, 765	4.5	31

112	Identification and characterization of the main beta-alanine uptake system in Escherichia coli. <i>Applied Microbiology and Biotechnology</i> , 2004 , 65, 576-82	5.7	31
111	Destabilized eYFP variants for dynamic gene expression studies in Corynebacterium glutamicum. <i>Microbial Biotechnology</i> , 2013 , 6, 196-201	6.3	29
110	Impact of improved potassium accumulation on pH homeostasis, membrane potential adjustment and survival of Corynebacterium glutamicum. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 444-50	4.6	29
109	Ultrastructure of the Corynebacterium glutamicum cell wall. <i>Antonie Van Leeuwenhoek</i> , 1997 , 72, 291-7	2.1	29
108	Isolation of the putP gene of Corynebacterium glutamicum and characterization of a low-affinity uptake system for compatible solutes. <i>Archives of Microbiology</i> , 1997 , 168, 143-51	3	29
107	Response to nitrogen starvation in Corynebacterium glutamicum. <i>FEMS Microbiology Letters</i> , 2000 , 187, 83-8	2.9	29
106	Evaluation of invertebrate infection models for pathogenic corynebacteria. <i>FEMS Immunology and Medical Microbiology</i> , 2012 , 65, 413-21		28
105	Toll-Like Receptor 2 and Mincle Cooperatively Sense Corynebacterial Cell Wall Glycolipids. <i>Infection and Immunity</i> , 2017 , 85,	3.7	26
104	A lack of genetic basis for biovar differentiation in clinically important Corynebacterium diphtheriae from whole genome sequencing. <i>Infection, Genetics and Evolution</i> , 2014 , 21, 54-7	4.5	25
103	FarR, a putative regulator of amino acid metabolism in Corynebacterium glutamicum. <i>Applied Microbiology and Biotechnology</i> , 2007 , 76, 625-32	5.7	25
102	Characterization of DIP0733, a multi-functional virulence factor of Corynebacterium diphtheriae. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 639-47	2.9	24
101	CcpA forms complexes with CodY and RpoA in Bacillus subtilis. <i>FEBS Journal</i> , 2012 , 279, 2201-14	5.7	23
100	A game with many players: control of gdh transcription in Corynebacterium glutamicum. <i>Journal of Biotechnology</i> , 2009 , 142, 114-22	3.7	23
99	Nitrogen metabolism and nitrogen control in corynebacteria: variations of a common theme. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2007 , 12, 131-8	0.9	23
98	Application of global analysis techniques to Corynebacterium glutamicum: new insights into nitrogen regulation. <i>Journal of Biotechnology</i> , 2006 , 126, 101-10	3.7	23
97	Complementation of Escherichia coli unc mutant strains by chloroplast and cyanobacterial F1-ATPase subunits. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1993 , 1144, 278-84	4.6	23
96	Urease of Corynebacterium glutamicum: organization of corresponding genes and investigation of activity. <i>FEMS Microbiology Letters</i> , 2000 , 189, 305-10	2.9	22
95	GltS, the sodium-coupled L-glutamate uptake system of Corynebacterium glutamicum: identification of the corresponding gene and impact on L-glutamate production. <i>Applied Microbiology and Biotechnology</i> , 2003 , 60, 738-42	5.7	21

94	Molecular armory or niche factors: virulence determinants of <i>Corynebacterium</i> species. <i>FEMS Microbiology Letters</i> , 2015 , 362, fnv185	2.9	20
93	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> , 2008 , 47, 12698-709 ^{3,2}		20
92	Utilization of creatinine as an alternative nitrogen source in <i>Corynebacterium glutamicum</i> . <i>Archives of Microbiology</i> , 2004 , 181, 443-50	3	20
91	Nitrogen control in <i>Corynebacterium glutamicum</i> : proteins, mechanisms, signals. <i>Journal of Microbiology and Biotechnology</i> , 2007 , 17, 187-94	3.3	20
90	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> , 2017 , 18, 873	4.5	19
89	Contour and persistence length of <i>Corynebacterium diphtheriae</i> pili by atomic force microscopy. <i>European Biophysics Journal</i> , 2012 , 41, 561-70	1.9	18
88	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> , 2010 , 156, 3180-3193	2.9	18
87	Draft genome sequence of <i>Corynebacterium diphtheriae</i> biovar <i>intermedius</i> NCTC 5011. <i>Journal of Bacteriology</i> , 2012 , 194, 4738	3.5	18
86	Dissection of ammonium uptake systems in <i>Corynebacterium glutamicum</i> : mechanism of action and energetics of AmtA and AmtB. <i>Journal of Bacteriology</i> , 2008 , 190, 2611-4	3.5	18
85	A proteomic study of <i>Corynebacterium glutamicum</i> AAA+ protease FtsH. <i>BMC Microbiology</i> , 2007 , 7, 6	4.5	18
84	<i>Caenorhabditis elegans</i> star formation and negative chemotaxis induced by infection with corynebacteria. <i>Microbiology (United Kingdom)</i> , 2016 , 162, 84-93	2.9	18
83	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> , 2011 , 89, 239-48	5.7	17
82	A Survey of Biological Building Blocks for Synthetic Molecular Communication Systems. <i>IEEE Communications Surveys and Tutorials</i> , 2020 , 22, 2765-2800	37.1	16
81	The draft genome sequence of <i>Corynebacterium diphtheriae</i> bv. <i>mitis</i> NCTC 3529 reveals significant diversity between the primary disease-causing biovars. <i>Journal of Bacteriology</i> , 2012 , 194, 3269	3.5	15
80	Nitrogen starvation-induced transcriptome alterations and influence of transcription regulator mutants in <i>Mycobacterium smegmatis</i> . <i>BMC Research Notes</i> , 2013 , 6, 482	2.3	15
79	Mutation-induced metabolite pool alterations in <i>Corynebacterium glutamicum</i> : towards the identification of nitrogen control signals. <i>Journal of Biotechnology</i> , 2006 , 126, 440-53	3.7	15
78	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 <i>porA</i> . <i>FEBS Journal</i> , 2001 , 268, 462-469		15
77	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> , 2019 , 37, 3061-3070 ^{4.1}	4.1	14

76	What an Mutant Can Teach Us About the Antibacterial Effect of Chlorophyllin. <i>Microorganisms</i> , 2019 , 7,	4.9	14
75	Corynebacterium diphtheriae putative tellurite-resistance protein (CDCE8392_0813) contributes to the intracellular survival in human epithelial cells and lethality of Caenorhabditis elegans. <i>Memorias Do Instituto Oswaldo Cruz</i> , 2015 , 110, 662-8	2.6	14
74	Proteomics of corynebacteria: From biotechnology workhorses to pathogens. <i>Proteomics</i> , 2011 , 11, 3244-55	4.5	14
73	The role of corynomycolic acids in Corynebacterium-host interaction. <i>Antonie Van Leeuwenhoek</i> , 2018 , 111, 717-725	2.1	12
72	Argon Cold Plasma-A Novel Tool to Treat Therapy-resistant Corneal Infections. <i>American Journal of Ophthalmology</i> , 2018 , 190, 150-163	4.9	12
71	The killing of macrophages by Corynebacterium ulcerans. <i>Virulence</i> , 2016 , 7, 45-55	4.7	12
70	Differential NtcA Responsiveness to 2-Oxoglutarate Underlies the Diversity of C/N Balance Regulation in. <i>Frontiers in Microbiology</i> , 2017 , 8, 2641	5.7	12
69	Complex formation between malate dehydrogenase and isocitrate dehydrogenase from Bacillus subtilis is regulated by tricarboxylic acid cycle metabolites. <i>FEBS Journal</i> , 2014 , 281, 1132-43	5.7	12
68	DNA binding by Corynebacterium glutamicum TetR-type transcription regulator AmtR. <i>BMC Molecular Biology</i> , 2009 , 10, 73	4.5	12
67	The low-molecular-mass subunit of the cell wall channel of the Gram-positive Corynebacterium glutamicum. Immunological localization, cloning and sequencing of its gene porA. <i>FEBS Journal</i> , 2001 , 268, 462-9		12
66	Glutamate excretion in Escherichia coli: dependency on the relA and spoT genotype. <i>Archives of Microbiology</i> , 1995 , 164, 24-8	3	12
65	Analysis of Corynebacterium diphtheriae 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> , 2017 , 12, e0180105	3.7	12
64	Genomic analyses reveal two distinct lineages of strains. <i>New Microbes and New Infections</i> , 2018 , 25, 7-13	4.1	12
63	Characterisation of Roseomonas mucosa isolated from the root canal of an infected tooth. <i>BMC Research Notes</i> , 2017 , 10, 212	2.3	11
62	Nitrogen assimilation in Corynebacterium diphtheriae: pathways and regulatory cascades. <i>FEMS Microbiology Letters</i> , 2002 , 208, 287-93	2.9	11
61	Colonization of human epithelial cell lines by Corynebacterium ulcerans from human and animal sources. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 1582-1591	2.9	11
60	More than a Toxin: Protein Inventory of Toxoid Vaccines. <i>Proteomes</i> , 2019 , 7,	4.6	10
59	Impact of adenylyltransferase GlnE on nitrogen starvation response in Corynebacterium glutamicum. <i>Journal of Biotechnology</i> , 2010 , 145, 244-52	3.7	10

58	A glucose kinase from <i>Mycobacterium smegmatis</i> . <i>Journal of Molecular Microbiology and Biotechnology</i> , 2007 , 12, 75-81	0.9	10
57	Detection of fluorescence dye-labeled proteins in 2-D gels using an Arthur 1442 Multiwavelength Fluoroimager. <i>BioTechniques</i> , 2001 , 31, 146-9	2.5	10
56	Complementation of <i>Escherichia coli</i> uncD mutant strains by a chimeric F1-beta subunit constructed from <i>E. coli</i> and spinach chloroplast F1-beta. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994 , 1186, 243-6	4.6	10
55	Pathogenic properties of a <i>Corynebacterium diphtheriae</i> strain isolated from a case of osteomyelitis. <i>Journal of Medical Microbiology</i> , 2016 , 65, 1311-1321	3.2	10
54	Induction of the NFEB signal transduction pathway in response to <i>Corynebacterium diphtheriae</i> infection. <i>Microbiology (United Kingdom)</i> , 2013 , 159, 126-135	2.9	9
53	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> , 2017 , 163, 692-701	2.9	9
52	A Molecular Communication Testbed Based on Proton Pumping Bacteria: Methods and Data. <i>IEEE Transactions on Molecular, Biological, and Multi-Scale Communications</i> , 2019 , 5, 56-62	2.3	9
51	Surface and Extracellular Proteome of the Emerging Pathogen. <i>Proteomes</i> , 2018 , 6,	4.6	8
50	Adaptation of AmtR-controlled gene expression by modulation of AmtR binding activity in <i>Corynebacterium glutamicum</i> . <i>Journal of Biotechnology</i> , 2011 , 154, 156-62	3.7	8
49	Characterization of a secondary uptake system for l-glutamate in <i>Corynebacterium glutamicum</i> . <i>FEMS Microbiology Letters</i> , 1996 , 136, 169-173	2.9	8
48	Beyond diphtheria toxin: cytotoxic proteins of <i>Corynebacterium ulcerans</i> and <i>Corynebacterium diphtheriae</i> . <i>Microbiology (United Kingdom)</i> , 2019 , 165, 876-890	2.9	8
47	Elimination of bacterial contaminations by treatment of water with boron-doped diamond electrodes. <i>World Journal of Microbiology and Biotechnology</i> , 2019 , 35, 48	4.4	7
46	Identification of a glucose permease from <i>Mycobacterium smegmatis</i> mc2 155. <i>Journal of Molecular Microbiology and Biotechnology</i> , 2009 , 16, 169-75	0.9	7
45	Electrochemical Disinfection of Experimentally Infected Teeth by Boron-Doped Diamond Electrode Treatment. <i>Journal of Clinical Medicine</i> , 2019 , 8,	5.1	7
44	Tellurite resistance: a putative pitfall in <i>Corynebacterium diphtheriae</i> diagnosis?. <i>Antonie Van Leeuwenhoek</i> , 2015 , 108, 1275-9	2.1	6
43	Phylogenomic characterisation of a novel corynebacterial species pathogenic to animals. <i>Antonie Van Leeuwenhoek</i> , 2020 , 113, 1225-1239	2.1	6
42	Reactive receiver modeling for diffusive molecular communication systems with molecule degradation 2016 ,		6
41	Toxigenic <i>Corynebacteria</i> : Adhesion, Invasion and Host Response 2014 , 143-170		6

40	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> , 2009 , 65, 1123-7		6
39	Rapid detection of bacterial surface proteins using an enzyme-linked immunosorbent assay system. <i>Journal of Proteomics</i> , 1997 , 34, 69-71		6
38	Analysis of threonine uptake in <i>Escherichia coli</i> threonine production strains. <i>Biotechnology Letters</i> , 2001 , 23, 401-404	3	6
37	Hybrid Fo complexes of the ATP synthases of spinach chloroplasts and <i>Escherichia coli</i> . Immunoprecipitation and mutant analyses. <i>FEBS Journal</i> , 1994 , 225, 1221-8		6
36	Expression of subunit III of the ATP synthase from spinach chloroplasts in <i>Escherichia coli</i> . <i>FEBS Letters</i> , 1990 , 271, 227-30	3.8	6
35	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> , 2018 , 18, 106	4.5	6
34	Using Colistin as a Trojan Horse: Inactivation of Gram-Negative Bacteria with Chlorophyllin. <i>Antibiotics</i> , 2019 , 8,	4.9	5
33	Of mice and men: Interaction of <i>Corynebacterium diphtheriae</i> strains with murine and human phagocytes. <i>Virulence</i> , 2019 , 10, 414-428	4.7	5
32	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> , 2019 , 112, 1055-1065	2.1	5
31	Ion pump based bio-synthetic modulator model for diffusive molecular communications 2016 ,		5
30	Genome-wide transcriptome analysis of <i>Clavibacter michiganensis</i> subsp. <i>michiganensis</i> grown in xylem mimicking medium. <i>Journal of Biotechnology</i> , 2013 , 168, 348-54	3.7	5
29	A Proteomic Study of Subsp. Culture Supernatants. <i>Proteomes</i> , 2015 , 3, 411-423	4.6	5
28	Diphtheria and its Etiological Agents 2014 , 1-14		5
27	Influence of In-Situ Electrochemical Oxidation on Implant Surface and Colonizing Microorganisms Evaluated by Scanning Electron Microscopy. <i>Materials</i> , 2019 , 12,	3.5	5
26	Newly Isolated Animal Pathogen Is Cytotoxic to Human Epithelial Cells. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
25	Proteomics of <i>Corynebacterium glutamicum</i> : essential industrial bacterium. <i>Methods of Biochemical Analysis</i> , 2006 , 49, 137-47		5
24	Proteomics of <i>Bordetella pertussis</i> whole-cell and acellular vaccines. <i>BMC Research Notes</i> , 2019 , 12, 329	2.3	4
23	Electrochemical Disinfection of Dental Implants Experimentally Contaminated with Microorganisms as a Model for Periimplantitis. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	4

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