

# Miguel ngel Valvano

## List of Publications by Citations

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12,699  
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L-index

#	Paper	IF	Citations
223	An essential role for NOD1 in host recognition of bacterial peptidoglycan containing diaminopimelic acid. <i>Nature Immunology</i> , <b>2003</b> , 4, 702-7	19.1	996
222	Bacterial polysaccharide synthesis and gene nomenclature. <i>Trends in Microbiology</i> , <b>1996</b> , 4, 495-503	12.4	430
221	Engineering N-linked protein glycosylation with diverse O antigen lipopolysaccharide structures in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 3016-21	11.5	319
220	Lipopolysaccharide modification in Gram-negative bacteria during chronic infection. <i>FEMS Microbiology Reviews</i> , <b>2016</b> , 40, 480-93	15.1	248
219	Antimicrobial heteroresistance: an emerging field in need of clarity. <i>Clinical Microbiology Reviews</i> , <b>2015</b> , 28, 191-207	34	217
218	Translocation of lipid-linked oligosaccharides across the ER membrane requires Rft1 protein. <i>Nature</i> , <b>2002</b> , 415, 447-50	50.4	213
217	Biosynthesis and expression of cell-surface polysaccharides in gram-negative bacteria. <i>Advances in Microbial Physiology</i> , <b>1993</b> , 35, 135-246	4.4	173
216	Functional analysis of the <i>Campylobacter jejuni</i> N-linked protein glycosylation pathway. <i>Molecular Microbiology</i> , <b>2005</b> , 55, 1695-703	4.1	165
215	The activity of a putative polyisoprenol-linked sugar translocase (Wzx) involved in <i>Escherichia coli</i> O antigen assembly is independent of the chemical structure of the O repeat. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 35129-38	5.4	164
214	Substrate specificity of bacterial oligosaccharyltransferase suggests a common transfer mechanism for the bacterial and eukaryotic systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 7088-93	11.5	160
213	CHARMM-GUI Membrane Builder for Complex Biological Membrane Simulations with Glycolipids and Lipoglycans. <i>Journal of Chemical Theory and Computation</i> , <b>2019</b> , 15, 775-786	6.4	152
212	Autophagy stimulation by rapamycin suppresses lung inflammation and infection by <i>Burkholderia cenocepacia</i> in a model of cystic fibrosis. <i>Autophagy</i> , <b>2011</b> , 7, 1359-70	10.2	151
211	Biosynthesis pathway of ADP-L-glycero-beta-D-manno-heptose in <i>Escherichia coli</i> . <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 363-9	3.5	141
210	Two distinct but interchangeable mechanisms for flipping of lipid-linked oligosaccharides. <i>EMBO Journal</i> , <b>2006</b> , 25, 967-76	13	130
209	Biological efficacy of electroless-deposited silver on plasma activated polyurethane. <i>Biomaterials</i> , <b>2003</b> , 24, 2759-65	15.6	122
208	Novel pathways for biosynthesis of nucleotide-activated glycerol-manno-heptose precursors of bacterial glycoproteins and cell surface polysaccharides. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 1979-1989	2.9	121
207	A decade of <i>Burkholderia cenocepacia</i> virulence determinant research. <i>Infection and Immunity</i> , <b>2010</b> , 78, 4088-100	3.7	117

206	Export of O-specific lipopolysaccharide. <i>Frontiers in Bioscience - Landmark</i> , <b>2003</b> , 8, s452-71	2.8	113
205	Intracellular survival and saprophytic growth of isolates from the Burkholderia cepacia complex in free-living amoebae. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 7), 1509-1517	2.9	113
204	A complete lipopolysaccharide inner core oligosaccharide is required for resistance of Burkholderia cenocepacia to antimicrobial peptides and bacterial survival in vivo. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 2073-80	3.5	112
203	Functional characterization and membrane topology of Escherichia coli WecA, a sugar-phosphate transferase initiating the biosynthesis of enterobacterial common antigen and O-antigen lipopolysaccharide. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 2618-28	3.5	112
202	Construction and evaluation of plasmid vectors optimized for constitutive and regulated gene expression in Burkholderia cepacia complex isolates. <i>Applied and Environmental Microbiology</i> , <b>2002</b> , 68, 5956-64	4.8	110
201	A novel sensor kinase-response regulator hybrid controls biofilm formation and type VI secretion system activity in Burkholderia cenocepacia. <i>Infection and Immunity</i> , <b>2008</b> , 76, 1979-91	3.7	107
200	Wzx proteins involved in biosynthesis of O antigen function in association with the first sugar of the O-specific lipopolysaccharide subunit. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 4095-105	2.9	104
199	A system for the construction of targeted unmarked gene deletions in the genus Burkholderia. <i>Environmental Microbiology</i> , <b>2008</b> , 10, 1652-60	5.2	103
198	Intracellular survival of Burkholderia cepacia complex isolates in the presence of macrophage cell activation. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 12), 3465-3475	2.9	103
197	Identification of Burkholderia cenocepacia genes required for bacterial survival in vivo. <i>Infection and Immunity</i> , <b>2004</b> , 72, 4010-22	3.7	102
196	An expression vector containing a rhamnose-inducible promoter provides tightly regulated gene expression in Burkholderia cenocepacia. <i>Plasmid</i> , <b>2005</b> , 54, 219-28	3.3	101
195	A Burkholderia Type VI Effector Deamidates Rho GTPases to Activate the Pysin Inflammasome and Trigger Inflammation. <i>Cell Host and Microbe</i> , <b>2016</b> , 19, 664-74	23.4	101
194	Activation of the pyrin inflammasome by intracellular Burkholderia cenocepacia. <i>Journal of Immunology</i> , <b>2012</b> , 188, 3469-77	5.3	98
193	Genetic analysis of the dTDP-rhamnose biosynthesis region of the Escherichia coli VW187 (O7:K1) rfb gene cluster: identification of functional homologs of rfbB and rfbA in the rff cluster and correct location of the rffE gene. <i>Journal of Bacteriology</i> , <b>1995</b> , 177, 5539-46	3.5	89
192	Intracellular survival of Burkholderia cenocepacia in macrophages is associated with a delay in the maturation of bacteria-containing vacuoles. <i>Cellular Microbiology</i> , <b>2007</b> , 9, 40-53	3.9	88
191	Hopanoid production is required for low-pH tolerance, antimicrobial resistance, and motility in Burkholderia cenocepacia. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 6712-23	3.5	85
190	A putative gene cluster for aminoarabinose biosynthesis is essential for Burkholderia cenocepacia viability. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 3639-44	3.5	85
189	An Escherichia coli undecaprenyl-pyrophosphate phosphatase implicated in undecaprenyl phosphate recycling. <i>Microbiology (United Kingdom)</i> , <b>2007</b> , 153, 2518-2529	2.9	82

188	Aminoarabinose is essential for lipopolysaccharide export and intrinsic antimicrobial peptide resistance in <i>Burkholderia cenocepacia</i> (I) <i>Molecular Microbiology</i> , <b>2012</b> , 85, 962-74	4.1	79
187	Prevalence of Indeterminate Genetic Species of <i>Burkholderia cepacia</i> Complex in a Cystic Fibrosis Center in Argentina. <i>Journal of Clinical Microbiology</i> , <b>2008</b> , 46, 2150-2150	9.7	78
186	Genetic analysis of the O-specific lipopolysaccharide biosynthesis region (rfb) of <i>Escherichia coli</i> K-12 W3110: identification of genes that confer group 6 specificity to <i>Shigella flexneri</i> serotypes Y and 4a. <i>Journal of Bacteriology</i> , <b>1994</b> , 176, 4133-43	3.5	77
185	<i>Burkholderia cenocepacia</i> C5424 produces a pigment with antioxidant properties using a homogentisate intermediate. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 9057-65	3.5	76
184	Occurrence of chromosome- or plasmid-mediated aerobactin iron transport systems and hemolysin production among clonal groups of human invasive strains of <i>Escherichia coli</i> K1. <i>Infection and Immunity</i> , <b>1986</b> , 52, 192-9	3.7	76
183	Interplay of the Wzx translocase and the corresponding polymerase and chain length regulator proteins in the translocation and periplasmic assembly of lipopolysaccharide o antigen. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 5124-35	3.5	75
182	Genetic analysis of the O7-polysaccharide biosynthesis region from the <i>Escherichia coli</i> O7:K1 strain VW187. <i>Journal of Bacteriology</i> , <b>1990</b> , 172, 3590-9	3.5	74
181	Micromethods for the characterization of lipid A-core and O-antigen lipopolysaccharide. <i>Methods in Molecular Biology</i> , <b>2006</b> , 347, 237-52	1.4	72
180	Surface expression of O-specific lipopolysaccharide in <i>Escherichia coli</i> requires the function of the TolA protein. <i>Molecular Microbiology</i> , <b>2000</b> , 38, 262-75	4.1	71
179	Aerobactin iron transport genes commonly encoded by certain ColV plasmids occur in the chromosome of a human invasive strain of <i>Escherichia coli</i> K1. <i>Infection and Immunity</i> , <b>1984</b> , 46, 159-67	3.7	71
178	<i>Burkholderia cenocepacia</i> requires a periplasmic HtrA protease for growth under thermal and osmotic stress and for survival in vivo. <i>Infection and Immunity</i> , <b>2007</b> , 75, 1679-89	3.7	70
177	Growth-phase regulation of lipopolysaccharide O-antigen chain length influences serum resistance in serovars of <i>Salmonella</i> . <i>Journal of Medical Microbiology</i> , <b>2008</b> , 57, 938-946	3.2	68
176	Assessment of three Resistance-Nodulation-Cell Division drug efflux transporters of <i>Burkholderia cenocepacia</i> in intrinsic antibiotic resistance. <i>BMC Microbiology</i> , <b>2009</b> , 9, 200	4.5	67
175	<i>Burkholderia cenocepacia</i> O antigen lipopolysaccharide prevents phagocytosis by macrophages and adhesion to epithelial cells. <i>Journal of Medical Microbiology</i> , <b>2009</b> , 58, 1542-1548	3.2	65
174	Reconstitution of O-specific lipopolysaccharide expression in <i>Burkholderia cenocepacia</i> strain J2315, which is associated with transmissible infections in patients with cystic fibrosis. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 1324-33	3.5	64
173	The unexpected discovery of a novel low-oxygen-activated locus for the anoxic persistence of <i>Burkholderia cenocepacia</i> . <i>ISME Journal</i> , <b>2013</b> , 7, 1568-81	11.9	63
172	Extreme antimicrobial Peptide and polymyxin B resistance in the genus <i>Burkholderia</i> . <i>Frontiers in Microbiology</i> , <b>2011</b> , 2, 159	5.7	62
171	Construction of aminoglycoside-sensitive <i>Burkholderia cenocepacia</i> strains for use in studies of intracellular bacteria with the gentamicin protection assay. <i>Applied and Environmental Microbiology</i> , <b>2010</b> , 76, 3170-6	4.8	61

170	Defective O-antigen polymerization in tolA and pal mutants of Escherichia coli in response to extracytoplasmic stress. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 3359-68	3.5	61
169	Biosynthesis of inner core lipopolysaccharide in enteric bacteria identification and characterization of a conserved phosphoheptose isomerase. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 3608-14	5.4	60
168	The mgtC gene of Burkholderia cenocepacia is required for growth under magnesium limitation conditions and intracellular survival in macrophages. <i>Infection and Immunity</i> , <b>2006</b> , 74, 5477-86	3.7	60
167	A quorum-quenching approach to investigate the conservation of quorum-sensing-regulated functions within the Burkholderia cepacia complex. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 1579-87	4.8	60
166	Burkholderia cenocepacia requires the RpoN sigma factor for biofilm formation and intracellular trafficking within macrophages. <i>Infection and Immunity</i> , <b>2008</b> , 76, 1059-67	3.7	59
165	Distinct functional domains of the Salmonella enterica WbaP transferase that is involved in the initiation reaction for synthesis of the O antigen subunit. <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 440-453	4.5	59
164	Survival and persistence of opportunistic Burkholderia species in host cells. <i>Current Opinion in Microbiology</i> , <b>2005</b> , 8, 99-105	7.9	57
163	Conserved aspartic acids are essential for the enzymic activity of the WecA protein initiating the biosynthesis of O-specific lipopolysaccharide and enterobacterial common antigen in Escherichia coli. <i>Microbiology (United Kingdom)</i> , <b>2002</b> , 148, 571-582	2.9	57
162	Identification, expression, and DNA sequence of the GDP-mannose biosynthesis genes encoded by the O7 rfb gene cluster of strain VW187 (Escherichia coli O7:K1). <i>Journal of Bacteriology</i> , <b>1993</b> , 175, 148-58	3.5	57
161	Burkholderia cepacia complex isolates survive intracellularly without replication within acidic vacuoles of Acanthamoeba polyphaga. <i>Cellular Microbiology</i> , <b>2004</b> , 6, 1127-38	3.9	55
160	Burkholderia cenocepacia BC2L-C is a super lectin with dual specificity and proinflammatory activity. <i>PLoS Pathogens</i> , <b>2011</b> , 7, e1002238	7.6	54
159	Functional analysis of the large periplasmic loop of the Escherichia coli K-12 WaaL O-antigen ligase. <i>Molecular Microbiology</i> , <b>2008</b> , 70, 1424-40	4.1	54
158	In vitro resistance of Burkholderia cepacia complex isolates to reactive oxygen species in relation to catalase and superoxide dismutase production. <i>Microbiology (United Kingdom)</i> , <b>2001</b> , 147, 97-109	2.9	53
157	Phenotypic characterization of an international Pseudomonas aeruginosa reference panel: strains of cystic fibrosis (CF) origin show less in vivo virulence than non-CF strains. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 1961-1977	2.9	53
156	The outer core lipopolysaccharide of Salmonella enterica serovar Typhi is required for bacterial entry into epithelial cells. <i>Infection and Immunity</i> , <b>2006</b> , 74, 1555-64	3.7	52
155	Chemical communication of antibiotic resistance by a highly resistant subpopulation of bacterial cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e68874	3.7	52
154	Burkholderia cenocepacia-induced delay of acidification and phagolysosomal fusion in cystic fibrosis transmembrane conductance regulator (CFTR)-defective macrophages. <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 3825-3834	2.9	51
153	The rfaE gene from Escherichia coli encodes a bifunctional protein involved in biosynthesis of the lipopolysaccharide core precursor ADP-L-glycero-D-manno-heptose. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 488-97	3.5	51

152	The Type VI secretion system of <i>Burkholderia cenocepacia</i> affects multiple Rho family GTPases disrupting the actin cytoskeleton and the assembly of NADPH oxidase complex in macrophages. <i>Cellular Microbiology</i> , <b>2012</b> , 14, 255-73	3.9	50
151	Biosynthesis and structure of the <i>Burkholderia cenocepacia</i> K56-2 lipopolysaccharide core oligosaccharide: truncation of the core oligosaccharide leads to increased binding and sensitivity to polymyxin B. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 21738-51	5.4	50
150	Structure and function of sedoheptulose-7-phosphate isomerase, a critical enzyme for lipopolysaccharide biosynthesis and a target for antibiotic adjuvants. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 2835-45	5.4	50
149	High confidence prediction of essential genes in <i>Burkholderia cenocepacia</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e40064	3.7	48
148	Interactions of <i>Burkholderia cenocepacia</i> and other <i>Burkholderia cepacia</i> complex bacteria with epithelial and phagocytic cells. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 2809-2817	2.9	48
147	Genetic organization of the O7-specific lipopolysaccharide biosynthesis cluster of <i>Escherichia coli</i> VW187 (O7:K1). <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 9), 2485-2495	2.9	48
146	Depletion of the ubiquitin-binding adaptor molecule SQSTM1/p62 from macrophages harboring cfr B508 mutation improves the delivery of <i>Burkholderia cenocepacia</i> to the autophagic machinery. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 2049-58	5.4	47
145	An improved bind-n-seq strategy to determine protein-DNA interactions validated using the bacterial transcriptional regulator YipR. <i>BMC Microbiology</i> , <b>2020</b> , 20, 1	4.5	46
144	An in vitro screen of bacterial lipopolysaccharide biosynthetic enzymes identifies an inhibitor of ADP-heptose biosynthesis. <i>Chemistry and Biology</i> , <b>2006</b> , 13, 437-41		46
143	Functional characterization of UDP-glucose:undecaprenyl-phosphate glucose-1-phosphate transferases of <i>Escherichia coli</i> and <i>Caulobacter crescentus</i> . <i>Journal of Bacteriology</i> , <b>2012</b> , 194, 2646-57	3.5	45
142	Functional characterization of the initiation enzyme of S-layer glycoprotein glycan biosynthesis in <i>Geobacillus stearothermophilus</i> NRS 2004/3a. <i>Journal of Bacteriology</i> , <b>2007</b> , 189, 2590-8	3.5	45
141	Construction and biochemical characterization of recombinant cytoplasmic forms of the lucD protein (lysine:N6-hydroxylase) encoded by the pColV-K30 aerobactin gene cluster. <i>Journal of Bacteriology</i> , <b>1993</b> , 175, 589-96	3.5	45
140	Identification of the flagellin glycosylation system in <i>Burkholderia cenocepacia</i> and the contribution of glycosylated flagellin to evasion of human innate immune responses. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 19231-44	5.4	43
139	Promoter region of the <i>Escherichia coli</i> O7-specific lipopolysaccharide gene cluster: structural and functional characterization of an upstream untranslated mRNA sequence. <i>Journal of Bacteriology</i> , <b>1998</b> , 180, 3070-9	3.5	43
138	Elucidation of the <i>Burkholderia cenocepacia</i> hopanoid biosynthesis pathway uncovers functions for conserved proteins in hopanoid-producing bacteria. <i>Environmental Microbiology</i> , <b>2015</b> , 17, 735-50	5.2	41
137	Diverse pathogenicity of <i>Burkholderia cepacia</i> complex strains in the <i>Caenorhabditis elegans</i> host model. <i>FEMS Microbiology Letters</i> , <b>2005</b> , 250, 97-104	2.9	41
136	Delayed association of the NADPH oxidase complex with macrophage vacuoles containing the opportunistic pathogen <i>Burkholderia cenocepacia</i> . <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 1004-1015	2.9	39
135	<i>Burkholderia cenocepacia</i> O polysaccharide chain contributes to caspase-1-dependent IL-1 $\beta$ production in macrophages. <i>Journal of Leukocyte Biology</i> , <b>2011</b> , 89, 481-8	6.5	38



134	Inactivation of macrophage Rab7 by Burkholderia cenocepacia. <i>Journal of Innate Immunity</i> , <b>2010</b> , 2, 522-533	3.3	37
133	Characterization of SodC, a periplasmic superoxide dismutase from Burkholderia cenocepacia. <i>Infection and Immunity</i> , <b>2007</b> , 75, 2451-60	3.7	37
132	Activation of Human Toll-like Receptor 4 (TLR4) by Myeloid Differentiation Factor 2 (MD-2) by Hypoacylated Lipopolysaccharide from a Clinical Isolate of Burkholderia cenocepacia. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 21305-19	5.4	36
131	BcsKC is an essential protein for the type VI secretion system activity in Burkholderia cenocepacia that forms an outer membrane complex with BcsLB. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 35988-98	5.4	36
130	The WaaL O-antigen lipopolysaccharide ligase has features in common with metal ion-independent inverting glycosyltransferases. <i>Glycobiology</i> , <b>2012</b> , 22, 288-99	5.8	36
129	Mitochondrial proteins Bnip3 and Bnip3L are involved in anthrax lethal toxin-induced macrophage cell death. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 26275-83	5.4	36
128	Identification of essential operons with a rhamnose-inducible promoter in Burkholderia cenocepacia. <i>Applied and Environmental Microbiology</i> , <b>2006</b> , 72, 2547-55	4.8	36
127	Undecaprenyl phosphate recycling comes out of age. <i>Molecular Microbiology</i> , <b>2008</b> , 67, 232-5	4.1	35
126	Identification of a UDP-Gal: GlcNAc-R galactosyltransferase activity in Escherichia coli VW187. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2005</b> , 15, 1205-11	2.9	34
125	Molecular cloning of the Haemophilus influenzae gmhA (lpcA) gene encoding a phosphoheptose isomerase required for lipooligosaccharide biosynthesis. <i>Journal of Bacteriology</i> , <b>1996</b> , 178, 3339-41	3.5	34
124	Common themes in glycoconjugate assembly using the biogenesis of O-antigen lipopolysaccharide as a model system. <i>Biochemistry (Moscow)</i> , <b>2011</b> , 76, 729-35	2.9	33
123	The N-terminal region of the Escherichia coli Weca (Rfe) protein, containing three predicted transmembrane helices, is required for function but not for membrane insertion. <i>Journal of Bacteriology</i> , <b>2000</b> , 182, 498-503	3.5	33
122	The GalF protein of Escherichia coli is not a UDP-glucose pyrophosphorylase but interacts with the GalU protein possibly to regulate cellular levels of UDP-glucose. <i>Molecular Microbiology</i> , <b>1996</b> , 22, 827-40	4.1	33
121	Conserved amino acid residues found in a predicted cytosolic domain of the lipopolysaccharide biosynthetic protein Weca are implicated in the recognition of UDP-N-acetylglucosamine. <i>Microbiology (United Kingdom)</i> , <b>2001</b> , 147, 3015-25	2.9	33
120	Putrescine reduces antibiotic-induced oxidative stress as a mechanism of modulation of antibiotic resistance in Burkholderia cenocepacia. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2014</b> , 58, 4162-71	5.9	32
119	Functional analysis of the glycerol-manno-heptose 7-phosphate kinase domain from the bifunctional HldE protein, which is involved in ADP-L-glycerol-D-manno-heptose biosynthesis. <i>Journal of Bacteriology</i> , <b>2005</b> , 187, 5292-300	3.5	32
118	Burkholderia cenocepacia type VI secretion system mediates escape of type II secreted proteins into the cytoplasm of infected macrophages. <i>PLoS ONE</i> , <b>2012</b> , 7, e41726	3.7	32
117	A two-tier model of polymyxin B resistance in Burkholderia cenocepacia. <i>Environmental Microbiology Reports</i> , <b>2011</b> , 3, 278-85	3.7	31

116	Burkholderia cenocepacia requires RpoE for growth under stress conditions and delay of phagolysosomal fusion in macrophages. <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 643-653	2.9	31
115	Intracellular survival of Burkholderia cepacia complex in phagocytic cells. <i>Canadian Journal of Microbiology</i> , <b>2015</b> , 61, 607-15	3.2	30
114	Validation of membrane protein topology models by oxidative labeling and mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2012</b> , 23, 889-98	3.5	30
113	The Burkholderia cenocepacia sensor kinase hybrid AtsR is a global regulator modulating quorum-sensing signalling. <i>Environmental Microbiology</i> , <b>2013</b> , 15, 372-85	5.2	29
112	Extreme antimicrobial peptide and polymyxin B resistance in the genus Burkholderia. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2011</b> , 1, 6	5.9	29
111	Functional analysis of the C-terminal domain of the WbaP protein that mediates initiation of O antigen synthesis in Salmonella enterica. <i>Glycobiology</i> , <b>2010</b> , 20, 1389-401	5.8	29
110	Subdivision of the bacterioferritin comigratory protein family of bacterial peroxiredoxins based on catalytic activity. <i>Biochemistry</i> , <b>2010</b> , 49, 1319-30	3.2	29
109	Cloning and characterization of the Burkholderia vietnamiensis norM gene encoding a multi-drug efflux protein. <i>FEMS Microbiology Letters</i> , <b>2002</b> , 215, 279-83	2.9	29
108	The wbbD gene of E. coli strain VW187 (O7:K1) encodes a UDP-Gal: GlcNAc{alpha}-pyrophosphate-R {beta}1,3-galactosyltransferase involved in the biosynthesis of O7-specific lipopolysaccharide. <i>Glycobiology</i> , <b>2005</b> , 15, 605-13	5.8	29
107	Burkholderia cenocepacia disrupts host cell actin cytoskeleton by inactivating Rac and Cdc42. <i>Cellular Microbiology</i> , <b>2012</b> , 14, 239-54	3.9	28
106	Membrane topology and identification of critical amino acid residues in the Wzx O-antigen translocase from Escherichia coli O157:H4. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 6160-71	3.5	28
105	Contributions of two UDP-glucose dehydrogenases to viability and polymyxin B resistance of Burkholderia cenocepacia. <i>Microbiology (United Kingdom)</i> , <b>2009</b> , 155, 2029-2039	2.9	28
104	Downregulation of the motA gene delays the escape of the obligate predator Bdellovibrio bacteriovorus 109J from bdelloplasts of bacterial prey cells. <i>Microbiology (United Kingdom)</i> , <b>2004</b> , 150, 649-656	2.9	28
103	Phage Life Cycles Behind Bacterial Biodiversity. <i>Current Medicinal Chemistry</i> , <b>2017</b> , 24, 3987-4001	4.3	27
102	Akt-mediated proinflammatory response of mononuclear phagocytes infected with Burkholderia cenocepacia occurs by a novel GSK3 $\beta$ -dependent, IB kinase-independent mechanism. <i>Journal of Immunology</i> , <b>2011</b> , 187, 635-43	5.3	26
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