

Miguel ngel Valvano

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.

223
papers

11,033
citations

59
h-index

95
g-index

280
ext. papers

12,699
ext. citations

5.2
avg, IF

6.37
L-index

#	Paper	IF	Citations
223	Protein with negative surface charge distribution, Bnr1, shows characteristics of a DNA-mimic protein and may be involved in the adaptation of Burkholderia cenocepacia.. <i>MicrobiologyOpen</i> , 2022 , 11, e1264	3.4	2
222	An evolutionary conserved detoxification system for membrane lipid-derived peroxy radicals in Gram-negative bacteria.. <i>PLoS Biology</i> , 2022 , 20, e3001610	9.7	1
221	Defining chaperone-usher fimbriae repertoire in <i>Serratia marcescens</i> . <i>Microbial Pathogenesis</i> , 2021 , 154, 104857	3.8	
220	Macrophage dysfunction in cystic fibrosis: Nature or nurture?. <i>Journal of Leukocyte Biology</i> , 2021 , 109, 573-582	6.5	8
219	A glycoengineered antigen exploiting a conserved protein O-glycosylation pathway in the Burkholderia genus for detection of glanders infections. <i>Virulence</i> , 2021 , 12, 493-506	4.7	1
218	Synthetic Glycolipids as Molecular Vaccine Adjuvants: Mechanism of Action in Human Cells and In Vivo Activity. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 12261-12272	8.3	2
217	Inherent colistin resistance in genogroups of the Enterobacter cloacae complex: epidemiological, genetic and biochemical analysis from the BSAC Resistance Surveillance Programme. <i>Journal of Antimicrobial Chemotherapy</i> , 2020 , 75, 2452-2461	5.1	9
216	Glycan ligation reactions in the periplasmic space 2020 , 37-49		0
215	Identification of the Wzx flippase, Wzy polymerase and sugar-modifying enzymes for spore coat polysaccharide biosynthesis in <i>Myxococcus xanthus</i> . <i>Molecular Microbiology</i> , 2020 , 113, 1189-1208	4.1	4
214	Phenotypic traits of Burkholderia spp. associated with ecological adaptation and plant-host interaction. <i>Microbiological Research</i> , 2020 , 236, 126451	5.3	2
213	An improved bind-n-seq strategy to determine protein-DNA interactions validated using the bacterial transcriptional regulator YipR. <i>BMC Microbiology</i> , 2020 , 20, 1	4.5	46
212	The BPTpA protein from Burkholderia cenocepacia belongs to a new subclass of low molecular weight protein tyrosine phosphatases. <i>Archives of Biochemistry and Biophysics</i> , 2020 , 681, 108277	4.1	1
211	Draft Genome Sequence of a Pseudomonas aeruginosa Sequence Type 3351 Strain Exhibiting High-Level Resistance to Polymyxins in a Pediatric Patient with Cystic Fibrosis in Mexico. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	1
210	Biosynthesis and Genetics of Lipopolysaccharide Core 2020 , 305-330		3
209	Complete Genome Sequence of Burkholderia cenocepacia K56-2, an Opportunistic Pathogen. <i>Microbiology Resource Announcements</i> , 2020 , 9,	1.3	1
208	2020 FASEB Science Research Conference on Microbial Glycobiology, July 13-14, 2020. <i>FASEB Journal</i> , 2020 , 34, 14069-14072	0.9	
207	An Overview of Anti-Eukaryotic T6SS Effectors. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020 , 10, 584751	5.9	21

206	Interferon-gamma-activated macrophages infected with <i>Burkholderia cenocepacia</i> process and present bacterial antigens to T-cells by class I and II major histocompatibility complex molecules. <i>Emerging Microbes and Infections</i> , 2020 , 9, 2000-2012	18.9	2
205	<i>Pseudomonas aeruginosa</i> Isolates From a Cohort of Mexican Children With Cystic Fibrosis Show Adaptation to a Chronic Phenotype. <i>Pediatric Infectious Disease Journal</i> , 2020 , 39, 899-906	3.4	2
204	Characterization of the Exopolysaccharide Biosynthesis Pathway in <i>Myxococcus xanthus</i> . <i>Journal of Bacteriology</i> , 2020 , 202,	3.5	6
203	Current Advances in Vaccines Development. <i>Cells</i> , 2020 , 9,	7.9	4
202	Synthetic Phosphodiester-Linked 4-Amino-4-deoxy-L-arabinose Derivatives Demonstrate that ArnT is an Inverting Aminoarabinosyl Transferase. <i>ChemBioChem</i> , 2019 , 20, 2936-2948	3.8	4
201	Modulation of antibiotic sensitivity and biofilm formation in <i>Pseudomonas aeruginosa</i> by interspecies signal analogues. <i>Nature Communications</i> , 2019 , 10, 2334	17.4	16
200	Sulfhydryl Labeling as a Tool to Investigate the Topology of Membrane Proteins Involved in Lipopolysaccharide Biosynthesis. <i>Methods in Molecular Biology</i> , 2019 , 1954, 203-213	1.4	2
199	Complex Signaling Networks Controlling Dynamic Molecular Changes in <i>Pseudomonas aeruginosa</i> Biofilm. <i>Current Medicinal Chemistry</i> , 2019 , 26, 1979-1993	4.3	14
198	Identification of the lipopolysaccharide O-antigen biosynthesis priming enzyme and the O-antigen ligase in <i>Myxococcus xanthus</i> : critical role of LPS O-antigen in motility and development. <i>Molecular Microbiology</i> , 2019 , 112, 1178-1198	4.1	9
197	A general protein glycosylation machinery conserved in species improves bacterial fitness and elicits glycan immunogenicity in humans. <i>Journal of Biological Chemistry</i> , 2019 , 294, 13248-13268	5.4	16
196	Potential glycoengineered anti- <i>Burkholderia</i> vaccines by exploiting the bacterial O-glycosylation machinery. <i>Access Microbiology</i> , 2019 , 1,	1	1
195	Loss of -Linked Protein Glycosylation in <i>Burkholderia cenocepacia</i> Impairs Biofilm Formation and Siderophore Activity and Alters Transcriptional Regulators. <i>MSphere</i> , 2019 , 4,	5	6
194	The Transcription Factor ArcA Modulates S Metabolism in Response to Neutrophil Hypochlorous Acid-Mediated Stress. <i>Frontiers in Microbiology</i> , 2019 , 10, 2754	5.7	6
193	CHARMM-GUI Membrane Builder for Complex Biological Membrane Simulations with Glycolipids and Lipoglycans. <i>Journal of Chemical Theory and Computation</i> , 2019 , 15, 775-786	6.4	152
192	<i>Escherichia coli</i> and <i>Pseudomonas aeruginosa</i> lipopolysaccharide O-antigen ligases share similar membrane topology and biochemical properties. <i>Molecular Microbiology</i> , 2018 , 110, 95-113	4.1	10
191	Vitamin E Increases Antimicrobial Sensitivity by Inhibiting Bacterial Lipocalin Antibiotic Binding. <i>MSphere</i> , 2018 , 3,	5	15
190	The ArcAB two-component regulatory system promotes resistance to reactive oxygen species and systemic infection by <i>Salmonella Typhimurium</i> . <i>PLoS ONE</i> , 2018 , 13, e0203497	3.7	19
189	The LpxL acyltransferase is required for normal growth and penta-acylation of lipid A in <i>Burkholderia cenocepacia</i> . <i>Molecular Microbiology</i> , 2017 , 104, 144-162	4.1	6

188	Antibiotic Capture by Bacterial Lipocalins Uncovers an Extracellular Mechanism of Intrinsic Antibiotic Resistance. <i>MBio</i> , 2017 , 8,	7.8	23
187	Novel antibiotic combinations proposed for treatment of complex infections. <i>Antimicrobial Resistance and Infection Control</i> , 2017 , 6, 120	6.2	7
186	Subfunctionalization influences the expansion of bacterial multidrug antibiotic resistance. <i>BMC Genomics</i> , 2017 , 18, 834	4.5	2
185	The temperate Burkholderia phage AP3 of the Peduovirinae shows efficient antimicrobial activity against <i>B. cenocepacia</i> of the IIIA lineage. <i>Applied Microbiology and Biotechnology</i> , 2017 , 101, 1203-1216	5.7	9
184	The Burkholderia cenocepacia peptidoglycan-associated lipoprotein is involved in epithelial cell attachment and elicitation of inflammation. <i>Cellular Microbiology</i> , 2017 , 19, e12691	3.9	18
183	Phage Life Cycles Behind Bacterial Biodiversity. <i>Current Medicinal Chemistry</i> , 2017 , 24, 3987-4001	4.3	27
182	Structure of O-Antigen and Hybrid Biosynthetic Locus in Clonal Variants Recovered from a Cystic Fibrosis Patient. <i>Frontiers in Microbiology</i> , 2017 , 8, 1027	5.7	9
181	Tyrosine Phosphorylation and Dephosphorylation in Burkholderia cenocepacia Affect Biofilm Formation, Growth under Nutritional Deprivation, and Pathogenicity. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 843-56	4.8	5
180	ArnT proteins that catalyze the glycosylation of lipopolysaccharide share common features with bacterial N-oligosaccharyltransferases. <i>Glycobiology</i> , 2016 , 26, 286-300	5.8	11
179	Prevotella denticola Lipopolysaccharide from a Cystic Fibrosis Isolate Possesses a Unique Chemical Structure. <i>European Journal of Organic Chemistry</i> , 2016 , 2016, 1732-1738	3.2	5
178	Lipopolysaccharide modification in Gram-negative bacteria during chronic infection. <i>FEMS Microbiology Reviews</i> , 2016 , 40, 480-93	15.1	248
177	A Burkholderia Type VI Effector Deamidates Rho GTPases to Activate the Pysin Inflammasome and Trigger Inflammation. <i>Cell Host and Microbe</i> , 2016 , 19, 664-74	23.4	101
176	Intracellular survival of Burkholderia cepacia complex in phagocytic cells. <i>Canadian Journal of Microbiology</i> , 2015 , 61, 607-15	3.2	30
175	Identification of synergists that potentiate the action of polymyxin B against Burkholderia cenocepacia. <i>International Journal of Antimicrobial Agents</i> , 2015 , 46, 376-80	14.3	3
174	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> , 2015 , 290, 21305-19	5.4	36
173	Elucidation of the Burkholderia cenocepacia hopanoid biosynthesis pathway uncovers functions for conserved proteins in hopanoid-producing bacteria. <i>Environmental Microbiology</i> , 2015 , 17, 735-50	5.2	41
172	Burkholderia cenocepacia Lipopolysaccharide Modification and Flagellin Glycosylation Affect Virulence but Not Innate Immune Recognition in Plants. <i>MBio</i> , 2015 , 6, e00679	7.8	15
171	Genetics and Biosynthesis of Lipopolysaccharide 2015 , 55-89		7

170	Burkholderia cenocepacia and Salmonella enterica ArnT proteins that transfer 4-amino-4-deoxy-l-arabinose to lipopolysaccharide share membrane topology and functional amino acids. <i>Scientific Reports</i> , 2015 , 5, 10773	4.9	14
169	Topological analysis of the Escherichia coli WcaJ protein reveals a new conserved configuration for the polyisoprenyl-phosphate hexose-1-phosphate transferase family. <i>Scientific Reports</i> , 2015 , 5, 9178	4.9	22
168	Role of capsular modified heptose in the virulence of Campylobacter jejuni. <i>Molecular Microbiology</i> , 2015 , 96, 1136-58	4.1	20
167	Antimicrobial heteroresistance: an emerging field in need of clarity. <i>Clinical Microbiology Reviews</i> , 2015 , 28, 191-207	34	217
166	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> , 2015 , 161, 1961-1977	2.9	53
165	Quantification of type VI secretion system activity in macrophages infected with Burkholderia cenocepacia. <i>Microbiology (United Kingdom)</i> , 2015 , 161, 2161-73	2.9	13
164	A Burkholderia cenocepacia gene encoding a non-functional tyrosine phosphatase is required for the delayed maturation of the bacteria-containing vacuoles in macrophages. <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1332-1345	2.9	9
163	Identification of the flagellin glycosylation system in Burkholderia cenocepacia and the contribution of glycosylated flagellin to evasion of human innate immune responses. <i>Journal of Biological Chemistry</i> , 2014 , 289, 19231-44	5.4	43
162	Putrescine reduces antibiotic-induced oxidative stress as a mechanism of modulation of antibiotic resistance in Burkholderia cenocepacia. <i>Antimicrobial Agents and Chemotherapy</i> , 2014 , 58, 4162-71	5.9	32
161	A Burkholderia cenocepacia MurJ (MviN) homolog is essential for cell wall peptidoglycan synthesis and bacterial viability. <i>Glycobiology</i> , 2014 , 24, 564-76	5.8	23
160	A markerless deletion method for genetic manipulation of Burkholderia cenocepacia and other multidrug-resistant gram-negative bacteria. <i>Methods in Molecular Biology</i> , 2014 , 1197, 311-27	1.4	19
159	The Burkholderia cenocepacia sensor kinase hybrid AtsR is a global regulator modulating quorum-sensing signalling. <i>Environmental Microbiology</i> , 2013 , 15, 372-85	5.2	29
158	In vitro O-antigen ligase assay. <i>Methods in Molecular Biology</i> , 2013 , 1022, 185-97	1.4	3
157	Structural-functional studies of Burkholderia cenocepacia D-glycero-D-manno-heptose 7-phosphate kinase (HldA) and characterization of inhibitors with antibiotic adjuvant and antivirulence properties. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 1405-17	8.3	14
156	Characterization of the AtsR hybrid sensor kinase phosphorelay pathway and identification of its response regulator in Burkholderia cenocepacia. <i>Journal of Biological Chemistry</i> , 2013 , 288, 30473-30484	5.4	12
155	Burkholderia multivorans survival and trafficking within macrophages. <i>Journal of Medical Microbiology</i> , 2013 , 62, 173-184	3.2	21
154	In vitro UDP-sugar:undecaprenyl-phosphate sugar-1-phosphate transferase assay and product detection by thin layer chromatography. <i>Methods in Molecular Biology</i> , 2013 , 1022, 173-83	1.4	2
153	Depletion of the ubiquitin-binding adaptor molecule SQSTM1/p62 from macrophages harboring cfr B508 mutation improves the delivery of Burkholderia cenocepacia to the autophagic machinery. <i>Journal of Biological Chemistry</i> , 2013 , 288, 2049-58	5.4	47

152	The unexpected discovery of a novel low-oxygen-activated locus for the anoxic persistence of Burkholderia cenocepacia. <i>ISME Journal</i> , 2013 , 7, 1568-81	11.9	63
151	Dam methylation participates in the regulation of PmrA/PmrB and RcsC/RcsD/RcsB two component regulatory systems in Salmonella enterica serovar Enteritidis. <i>PLoS ONE</i> , 2013 , 8, e56474	3.7	8
150	Chemical communication of antibiotic resistance by a highly resistant subpopulation of bacterial cells. <i>PLoS ONE</i> , 2013 , 8, e68874	3.7	52
149	Aminoarabinose is essential for lipopolysaccharide export and intrinsic antimicrobial peptide resistance in Burkholderia cenocepacia. <i>Molecular Microbiology</i> , 2012 , 85, 962-74	4.1	79
148	The suhB gene of Burkholderia cenocepacia is required for protein secretion, biofilm formation, motility and polymyxin B resistance. <i>Microbiology (United Kingdom)</i> , 2012 , 158, 2315-2324	2.9	15
147	Non-genetic mechanisms communicating antibiotic resistance: rethinking strategies for antimicrobial drug design. <i>Expert Opinion on Drug Discovery</i> , 2012 , 7, 923-33	6.2	18
146	Characterization of the highly conserved VFMGD motif in a bacterial polyisoprenyl-phosphate N-acetylaminosugar-1-phosphate transferase. <i>Protein Science</i> , 2012 , 21, 1366-75	6.3	8
145	Global changes in gene expression by the opportunistic pathogen Burkholderia cenocepacia in response to internalization by murine macrophages. <i>BMC Genomics</i> , 2012 , 13, 63	4.5	13
144	High confidence prediction of essential genes in Burkholderia cenocepacia. <i>PLoS ONE</i> , 2012 , 7, e40064	3.7	48
143	The normal chain length distribution of the O antigen is required for the interaction of Shigella flexneri 2a with polarized Caco-2 cells. <i>Biological Research</i> , 2012 , 45, 21-6	7.6	6
142	Validation of membrane protein topology models by oxidative labeling and mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 889-98	3.5	30
141	Burkholderia cenocepacia disrupts host cell actin cytoskeleton by inactivating Rac and Cdc42. <i>Cellular Microbiology</i> , 2012 , 14, 239-54	3.9	28
140	The Type VI secretion system of Burkholderia cenocepacia affects multiple Rho family GTPases disrupting the actin cytoskeleton and the assembly of NADPH oxidase complex in macrophages. <i>Cellular Microbiology</i> , 2012 , 14, 255-73	3.9	50
139	The C-terminal domain of the Salmonella enterica WbaP (UDP-galactose:Und-P galactose-1-phosphate transferase) is sufficient for catalytic activity and specificity for undecaprenyl monophosphate. <i>Glycobiology</i> , 2012 , 22, 116-22	5.8	23
138	Polysaccharide co-polymerases: the enigmatic conductors of the O-antigen assembly orchestra. <i>Protein Engineering, Design and Selection</i> , 2012 , 25, 797-802	1.9	17
137	The WaaL O-antigen lipopolysaccharide ligase has features in common with metal ion-independent inverting glycosyltransferases. <i>Glycobiology</i> , 2012 , 22, 288-99	5.8	36
136	Activation of the pyrin inflammasome by intracellular Burkholderia cenocepacia. <i>Journal of Immunology</i> , 2012 , 188, 3469-77	5.3	98
135	Functional characterization of UDP-glucose:undecaprenyl-phosphate glucose-1-phosphate transferases of Escherichia coli and Caulobacter crescentus. <i>Journal of Bacteriology</i> , 2012 , 194, 2646-57	3.5	45

134	Proteins Involved in the Membrane Translocation of Lipopolysaccharide O Antigen. <i>Mini-Reviews in Organic Chemistry</i> , 2012 , 9, 261-269	1.7	
133	Burkholderia cenocepacia type VI secretion system mediates escape of type II secreted proteins into the cytoplasm of infected macrophages. <i>PLoS ONE</i> , 2012 , 7, e41726	3.7	32
132	Burkholderia cenocepacia O polysaccharide chain contributes to caspase-1-dependent IL-1beta production in macrophages. <i>Journal of Leukocyte Biology</i> , 2011 , 89, 481-8	6.5	38
131	Genetics, Biosynthesis and Assembly of O-Antigen 2011 , 275-310		17
130	Different sugar residues of the lipopolysaccharide outer core are required for early interactions of Salmonella enterica serovars Typhi and Typhimurium with epithelial cells. <i>Microbial Pathogenesis</i> , 2011 , 50, 70-80	3.8	14
129	Type IV(B) pili are required for invasion but not for adhesion of Salmonella enterica serovar Typhi into BHK epithelial cells in a cystic fibrosis transmembrane conductance regulator-independent manner. <i>Microbial Pathogenesis</i> , 2011 , 51, 373-7	3.8	10
128	A two-tier model of polymyxin B resistance in Burkholderia cenocepacia. <i>Environmental Microbiology Reports</i> , 2011 , 3, 278-85	3.7	31
127	Extreme antimicrobial Peptide and polymyxin B resistance in the genus burkholderia. <i>Frontiers in Microbiology</i> , 2011 , 2, 159	5.7	62
126	Extreme antimicrobial peptide and polymyxin B resistance in the genus Burkholderia. <i>Frontiers in Cellular and Infection Microbiology</i> , 2011 , 1, 6	5.9	29
125	Common themes in glycoconjugate assembly using the biogenesis of O-antigen lipopolysaccharide as a model system. <i>Biochemistry (Moscow)</i> , 2011 , 76, 729-35	2.9	33
124	Transcriptional responses of Burkholderia cenocepacia to polymyxin B in isogenic strains with diverse polymyxin B resistance phenotypes. <i>BMC Genomics</i> , 2011 , 12, 472	4.5	16
123	Autophagy stimulation by rapamycin suppresses lung inflammation and infection by Burkholderia cenocepacia in a model of cystic fibrosis. <i>Autophagy</i> , 2011 , 7, 1359-70	10.2	151
122	Hopanoid production is required for low-pH tolerance, antimicrobial resistance, and motility in Burkholderia cenocepacia. <i>Journal of Bacteriology</i> , 2011 , 193, 6712-23	3.5	85
121	Membrane Topology and Identification of Critical Amino Acid Residues in the Wzx O-Antigen Translocase from Escherichia coli O157:H7. <i>Journal of Bacteriology</i> , 2011 , 193, 1291-1292	3.5	4
120	Structure-guided investigation of lipopolysaccharide O-antigen chain length regulators reveals regions critical for modal length control. <i>Journal of Bacteriology</i> , 2011 , 193, 3710-21	3.5	24
119	Akt-mediated proinflammatory response of mononuclear phagocytes infected with Burkholderia cenocepacia occurs by a novel GSK3beta-dependent, IB kinase-independent mechanism. <i>Journal of Immunology</i> , 2011 , 187, 635-43	5.3	26
118	Heteroresistance of opportunistic bacteria to antimicrobial peptides: a new challenge to antimicrobial therapy of cystic fibrosis infections. <i>Therapy: Open Access in Clinical Medicine</i> , 2011 , 8, 591-595		1
117	Burkholderia cenocepacia BC2L-C is a super lectin with dual specificity and proinflammatory activity. <i>PLoS Pathogens</i> , 2011 , 7, e1002238	7.6	54

116	Functional analysis of the C-terminal domain of the WbaP protein that mediates initiation of O antigen synthesis in <i>Salmonella enterica</i> . <i>Glycobiology</i> , 2010 , 20, 1389-401	5.8	29
115	A decade of <i>Burkholderia cenocepacia</i> virulence determinant research. <i>Infection and Immunity</i> , 2010 , 78, 4088-100	3.7	117
114	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> , 2010 , 76, 3170-6	4.8	61
113	BcsKC is an essential protein for the type VI secretion system activity in <i>Burkholderia cenocepacia</i> that forms an outer membrane complex with BcsLB. <i>Journal of Biological Chemistry</i> , 2010 , 285, 35988-98	5.4	36
112	Membrane topology and identification of critical amino acid residues in the Wzx O-antigen translocase from <i>Escherichia coli</i> O157:H4. <i>Journal of Bacteriology</i> , 2010 , 192, 6160-71	3.5	28
111	Inactivation of macrophage Rab7 by <i>Burkholderia cenocepacia</i> . <i>Journal of Innate Immunity</i> , 2010 , 2, 522-33	3.3	37
110	Structural and kinetic characterization of the LPS biosynthetic enzyme D-alpha,beta-D-heptose-1,7-bisphosphate phosphatase (GmhB) from <i>Escherichia coli</i> . <i>Biochemistry</i> , 2010 , 49, 1033-41	3.2	13
109	Subdivision of the bacterioferritin comigratory protein family of bacterial peroxiredoxins based on catalytic activity. <i>Biochemistry</i> , 2010 , 49, 1319-30	3.2	29
108	O Antigen Biosynthesis 2010 , 297-314		1
107	Dam methylation controls O-antigen chain length in <i>Salmonella enterica</i> serovar enteritidis by regulating the expression of Wzz protein. <i>Journal of Bacteriology</i> , 2009 , 191, 6694-700	3.5	17
106	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> , 2009 , 284, 21738-51	5.4	50
105	Delayed association of the NADPH oxidase complex with macrophage vacuoles containing the opportunistic pathogen <i>Burkholderia cenocepacia</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 1004-1015	2.9	39
104	<i>Burkholderia cenocepacia</i> O antigen lipopolysaccharide prevents phagocytosis by macrophages and adhesion to epithelial cells. <i>Journal of Medical Microbiology</i> , 2009 , 58, 1542-1548	3.2	65
103	Reduced lipopolysaccharide O antigen expression, increased acid susceptibility and multicellular behaviour in an <i>Escherichia coli</i> isolate after long-term in vitro exposure to formic acid. <i>Microbial Ecology in Health and Disease</i> , 2009 , 21, 87-94		1
102	Contributions of two UDP-glucose dehydrogenases to viability and polymyxin B resistance of <i>Burkholderia cenocepacia</i> . <i>Microbiology (United Kingdom)</i> , 2009 , 155, 2029-2039	2.9	28
101	The cellular level of O-antigen polymerase Wzy determines chain length regulation by WzzB and WzzpHS-2 in <i>Shigella flexneri</i> 2a. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 3260-3269	2.9	25
100	Assessment of three Resistance-Nodulation-Cell Division drug efflux transporters of <i>Burkholderia cenocepacia</i> in intrinsic antibiotic resistance. <i>BMC Microbiology</i> , 2009 , 9, 200	4.5	67
99	Interactions of <i>Burkholderia cenocepacia</i> and other <i>Burkholderia cepacia</i> complex bacteria with epithelial and phagocytic cells. <i>Microbiology (United Kingdom)</i> , 2009 , 155, 2809-2817	2.9	48

98	Helenius et al. reply. <i>Nature</i> , 2008 , 454, E4-E5	50.4	6
97	A system for the construction of targeted unmarked gene deletions in the genus <i>Burkholderia</i> . <i>Environmental Microbiology</i> , 2008 , 10, 1652-60	5.2	103
96	Functional analysis of the large periplasmic loop of the <i>Escherichia coli</i> K-12 WaaL O-antigen ligase. <i>Molecular Microbiology</i> , 2008 , 70, 1424-40	4.1	54
95	Prevalence of indeterminate genetic species of <i>Burkholderia cepacia</i> complex in a cystic fibrosis center in Argentina. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 1151-2	9.7	14
94	Growth-phase regulation of lipopolysaccharide O-antigen chain length influences serum resistance in serovars of <i>Salmonella</i> . <i>Journal of Medical Microbiology</i> , 2008 , 57, 938-946	3.2	68
93	<i>Burkholderia cenocepacia</i> requires the RpoN sigma factor for biofilm formation and intracellular trafficking within macrophages. <i>Infection and Immunity</i> , 2008 , 76, 1059-67	3.7	59
92	A novel sensor kinase-response regulator hybrid controls biofilm formation and type VI secretion system activity in <i>Burkholderia cenocepacia</i> . <i>Infection and Immunity</i> , 2008 , 76, 1979-91	3.7	107
91	<i>Burkholderia cenocepacia</i> -induced delay of acidification and phagolysosomal fusion in cystic fibrosis transmembrane conductance regulator (CFTR)-defective macrophages. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 3825-3834	2.9	51
90	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> , 2008 , 283, 2835-45	5.4	50
89	Functional analysis of predicted coiled-coil regions in the <i>Escherichia coli</i> K-12 O-antigen polysaccharide chain length determinant Wzz. <i>Journal of Bacteriology</i> , 2008 , 190, 2128-37	3.5	18
88	<i>Burkholderia cenocepacia</i> requires RpoE for growth under stress conditions and delay of phagolysosomal fusion in macrophages. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 643-653	2.9	31
87	Distinct functional domains of the <i>Salmonella enterica</i> WbaP transferase that is involved in the initiation reaction for synthesis of the O antigen subunit. <i>Microbiology (United Kingdom)</i> , 2008 , 154, 440-453	2.9	59
86	Prevalence of Indeterminate Genetic Species of <i>Burkholderia cepacia</i> Complex in a Cystic Fibrosis Center in Argentina. <i>Journal of Clinical Microbiology</i> , 2008 , 46, 2150-2150	9.7	78
85	Undecaprenyl phosphate recycling comes out of age. <i>Molecular Microbiology</i> , 2008 , 67, 232-5	4.1	35
84	Intracellular survival of <i>Burkholderia cenocepacia</i> in macrophages is associated with a delay in the maturation of bacteria-containing vacuoles. <i>Cellular Microbiology</i> , 2007 , 9, 40-53	3.9	88
83	<i>Burkholderia cenocepacia</i> C5424 produces a pigment with antioxidant properties using a homogentisate intermediate. <i>Journal of Bacteriology</i> , 2007 , 189, 9057-65	3.5	76
82	Functional characterization and membrane topology of <i>Escherichia coli</i> WecA, a sugar-phosphate transferase initiating the biosynthesis of enterobacterial common antigen and O-antigen lipopolysaccharide. <i>Journal of Bacteriology</i> , 2007 , 189, 2618-28	3.5	112
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