

# Renato Morona

## List of Publications by Citations

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#	Paper	IF	Citations
130	Recombinational exchanges at the capsular polysaccharide biosynthetic locus lead to frequent serotype changes among natural isolates of <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , <b>1998</b> , 27, 73-83	4.1	267
129	A new biological agent for treatment of Shiga toxin-producing <i>Escherichia coli</i> infections and dysentery in humans. <i>Nature Medicine</i> , <b>2000</b> , 6, 265-70	50.5	177
128	Regulation of <i>Salmonella typhimurium</i> lipopolysaccharide O antigen chain length is required for virulence; identification of FepE as a second Wzz. <i>Molecular Microbiology</i> , <b>2003</b> , 47, 1395-406	4.1	176
127	Tyrosine phosphorylation of CpsD negatively regulates capsular polysaccharide biosynthesis in <i>Streptococcus pneumoniae</i> . <i>Molecular Microbiology</i> , <b>2000</b> , 35, 1431-42	4.1	174
126	Serotype conversion in <i>Vibrio cholerae</i> O1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1992</b> , 89, 2566-70	11.5	168
125	Overexpression and topology of the <i>Shigella flexneri</i> O-antigen polymerase (Rfc/Wzy). <i>Molecular Microbiology</i> , <b>1998</b> , 28, 1211-22	4.1	161
124	<i>Escherichia coli</i> K-12 outer membrane protein (OmpA) as a bacteriophage receptor: analysis of mutant genes expressing altered proteins. <i>Journal of Bacteriology</i> , <b>1984</b> , 159, 570-8	3.5	158
123	A galE <sup>-</sup> (Vi antigen-negative) mutant of <i>Salmonella typhi</i> Ty2 retains virulence in humans. <i>Infection and Immunity</i> , <b>1988</b> , 56, 1326-33	3.7	157
122	Molecular, genetic, and topological characterization of O-antigen chain length regulation in <i>Shigella flexneri</i> . <i>Journal of Bacteriology</i> , <b>1995</b> , 177, 1059-68	3.5	155
121	Characterization of the rfc region of <i>Shigella flexneri</i> . <i>Journal of Bacteriology</i> , <b>1994</b> , 176, 733-47	3.5	132
120	Altering the length of the lipopolysaccharide O antigen has an impact on the interaction of <i>Salmonella enterica</i> serovar Typhimurium with macrophages and complement. <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 2735-9	3.5	127
119	The chromosome of <i>Shigella flexneri</i> bacteriophage Sf6: complete nucleotide sequence, genetic mosaicism, and DNA packaging. <i>Journal of Molecular Biology</i> , <b>2004</b> , 339, 379-94	6.5	110
118	Attachment of capsular polysaccharide to the cell wall of <i>Streptococcus pneumoniae</i> type 2 is required for invasive disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 8505-10	11.5	109
117	<i>Streptococcus pneumoniae</i> capsule biosynthesis protein CpsB is a novel manganese-dependent phosphotyrosine-protein phosphatase. <i>Journal of Bacteriology</i> , <b>2002</b> , 184, 577-83	3.5	107
116	Nucleotide sequence analysis of genes essential for capsular polysaccharide biosynthesis in <i>Streptococcus pneumoniae</i> type 19F. <i>Infection and Immunity</i> , <b>1994</b> , 62, 5384-96	3.7	107
115	The effect that mutations in the conserved capsular polysaccharide biosynthesis genes cpsA, cpsB, and cpsD have on virulence of <i>Streptococcus pneumoniae</i> . <i>Journal of Infectious Diseases</i> , <b>2004</b> , 189, 1903-13	7	106
114	Characterization of the locus encoding the <i>Streptococcus pneumoniae</i> type 19F capsular polysaccharide biosynthetic pathway. <i>Molecular Microbiology</i> , <b>1997</b> , 23, 751-63	4.1	103

113	Regulation of O-antigen chain length is required for <i>Shigella flexneri</i> virulence. <i>Molecular Microbiology</i> , <b>1997</b> , 23, 765-75	4.1	97
112	Mechanism of bacteriophage SfII-mediated serotype conversion in <i>Shigella flexneri</i> . <i>Molecular Microbiology</i> , <b>1997</b> , 26, 939-50	4.1	92
111	Genetic modulation of <i>Shigella flexneri</i> 2a lipopolysaccharide O antigen modal chain length reveals that it has been optimized for virulence. <i>Microbiology (United Kingdom)</i> , <b>2003</b> , 149, 925-939	2.9	90
110	Bacterial polysaccharide co-polymerases share a common framework for control of polymer length. <i>Nature Structural and Molecular Biology</i> , <b>2008</b> , 15, 130-8	17.6	89
109	Genetic rearrangements in the rfb regions of <i>Vibrio cholerae</i> O1 and O139. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 10374-8	11.5	89
108	Analysis of <i>Shigella flexneri</i> wzz (Rol) function by mutagenesis and cross-linking: wzz is able to oligomerize. <i>Molecular Microbiology</i> , <b>1999</b> , 34, 181-94	4.1	87
107	Evaluation of Wzz/MPA1/MPA2 proteins based on the presence of coiled-coil regions. <i>Microbiology (United Kingdom)</i> , <b>2000</b> , 146 ( Pt 1), 1-4	2.9	86
106	Recombinant probiotics for treatment and prevention of enterotoxigenic <i>Escherichia coli</i> diarrhea. <i>Gastroenterology</i> , <b>2005</b> , 128, 1219-28	13.3	80
105	Mutational analysis of the carboxy-terminal (YGX) <sub>4</sub> repeat domain of CpsD, an autophosphorylating tyrosine kinase required for capsule biosynthesis in <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , <b>2003</b> , 185, 3009-19	3.5	80
104	Characterization of the dTDP-rhamnose biosynthetic genes encoded in the rfb locus of <i>Shigella flexneri</i> . <i>Molecular Microbiology</i> , <b>1994</b> , 11, 281-92	4.1	79
103	Role of oxyR in the oral anaerobe <i>Porphyromonas gingivalis</i> . <i>Journal of Bacteriology</i> , <b>2006</b> , 188, 2454-62	3.5	78
102	A recombinant probiotic for treatment and prevention of cholera. <i>Gastroenterology</i> , <b>2006</b> , 130, 1688-95	13.3	76
101	Designer probiotics for prevention of enteric infections. <i>Nature Reviews Microbiology</i> , <b>2006</b> , 4, 193-200	22.2	76
100	Construction of defined galE mutants of <i>Salmonella</i> for use as vaccines. <i>Journal of Infectious Diseases</i> , <b>1987</b> , 156, 167-74	7	70
99	Progress in understanding the assembly process of bacterial O-antigen. <i>FEMS Microbiology Reviews</i> , <b>2014</b> , 38, 1048-65	15.1	69
98	Glycan:glycan interactions: High affinity biomolecular interactions that can mediate binding of pathogenic bacteria to host cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, E7266-75	11.5	69
97	Sequence-structure relationships in polysaccharide co-polymerase (PCP) proteins. <i>Trends in Biochemical Sciences</i> , <b>2009</b> , 34, 78-84	10.3	68
96	The <i>Salmonella typhi</i> melittin resistance gene pqaB affects intracellular growth in PMA-differentiated U937 cells, polymyxin B resistance and lipopolysaccharide. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 2), 367-378	2.9	64

95	IcsA is a <i>Shigella flexneri</i> adhesin regulated by the type III secretion system and required for pathogenesis. <i>Cell Host and Microbe</i> , <b>2014</b> , 15, 435-45	23.4	60
94	Neutralization of Shiga toxins Stx1, Stx2c, and Stx2e by recombinant bacteria expressing mimics of globotriose and globotetraose. <i>Infection and Immunity</i> , <b>2001</b> , 69, 1967-70	3.7	60
93	Molecular Basis for O-Antigen Biosynthesis in <i>Vibrio cholerae</i> O1: Ogawa-Inaba Switching	77-94	58
92	Comparative genetics of capsular polysaccharide biosynthesis in <i>Streptococcus pneumoniae</i> types belonging to serogroup 19. <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 5355-64	3.5	52
91	Inducible serum resistance in <i>Salmonella typhimurium</i> is dependent on wzz(fepE)-regulated very long O antigen chains. <i>Microbes and Infection</i> , <b>2005</b> , 7, 1296-304	9.3	50
90	A putative pathway for perosamine biosynthesis is the first function encoded within the rfb region of <i>Vibrio cholerae</i> O1. <i>Gene</i> , <b>1995</b> , 166, 33-42	3.8	48
89	Immunogenicity of a candidate live oral typhoid/cholera hybrid vaccine in humans. <i>Journal of Infectious Diseases</i> , <b>1989</b> , 159, 145-6	7	46
88	Demonstration of a bacteriophage receptor site on the <i>Escherichia coli</i> K12 outer-membrane protein OmpC by the use of a protease. <i>FEBS Journal</i> , <b>1985</b> , 150, 161-9		43
87	Oral administration of formaldehyde-killed recombinant bacteria expressing a mimic of the Shiga toxin receptor protects mice from fatal challenge with Shiga-toxigenic <i>Escherichia coli</i> . <i>Infection and Immunity</i> , <b>2001</b> , 69, 1389-93	3.7	42
86	The tailspike protein of <i>Shigella</i> phage Sf6. A structural homolog of <i>Salmonella</i> phage P22 tailspike protein without sequence similarity in the beta-helix domain. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 1542-8	5.4	41
85	Selective inhibition of biotin protein ligase from <i>Staphylococcus aureus</i> . <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 17823-17832	5.4	40
84	Genetic analysis of the rfb region of <i>Shigella flexneri</i> encoding the Y serotype O-antigen specificity. <i>Molecular Microbiology</i> , <b>1991</b> , 5, 1491-9	4.1	40
83	Analysis of the 5S portion of the type 19A capsule locus identifies two classes of cpsC, cpsD, and cpsE genes in <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 3599-605	3.5	39
82	Molecular and genetic characterization of the capsule biosynthesis locus of <i>Streptococcus pneumoniae</i> type 19B. <i>Journal of Bacteriology</i> , <b>1997</b> , 179, 4953-8	3.5	38
81	Mutagenesis of the <i>Shigella flexneri</i> autotransporter IcsA reveals novel functional regions involved in IcsA biogenesis and recruitment of host neural Wiscott-Aldrich syndrome protein. <i>Journal of Bacteriology</i> , <b>2008</b> , 190, 4666-76	3.5	38
80	Bioengineered microbes in disease therapy. <i>Trends in Molecular Medicine</i> , <b>2012</b> , 18, 417-25	11.5	36
79	Isolation, characterization, and nucleotide sequence of IS1202, an insertion sequence of <i>Streptococcus pneumoniae</i> . <i>Journal of Bacteriology</i> , <b>1994</b> , 176, 4437-43	3.5	35
78	Refinement of a therapeutic Shiga toxin-binding probiotic for human trials. <i>Journal of Infectious Diseases</i> , <b>2004</b> , 189, 1547-55	7	34

77	The Shigella flexneri bacteriophage Sf6 tailspike protein (TSP)/endorhamnosidase is related to the bacteriophage P22 TSP and has a motif common to exo- and endoglycanases, and C-5 epimerases. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 7), 1649-1659	2.9	34
76	Genetic analysis of the rfbX gene of Shigella flexneri. <i>Gene</i> , <b>1995</b> , 155, 9-17	3.8	34
75	Putative O-antigen transport genes within the rfb region of Vibrio cholerae O1 are homologous to those for capsule transport. <i>Gene</i> , <b>1995</b> , 158, 1-7	3.8	33
74	Construction of plasmid vectors with a non-antibiotic selection system based on the Escherichia coli thyA+ gene: application to cholera vaccine development. <i>Gene</i> , <b>1991</b> , 107, 139-44	3.8	33
73	Topological analysis of GtrA and GtrB proteins encoded by the serotype-converting cassette of Shigella flexneri. <i>Biochemical and Biophysical Research Communications</i> , <b>2005</b> , 328, 1252-60	3.4	32
72	Effect of lipopolysaccharide core synthesis mutations on the production of Vibrio cholerae O-antigen in Escherichia coli K-12. <i>FEMS Microbiology Letters</i> , <b>1991</b> , 82, 279-285	2.9	32
71	PhoP/Q regulated genes in Salmonella typhi identification of melittin sensitive mutants. <i>Microbial Pathogenesis</i> , <b>1997</b> , 22, 165-79	3.8	31
70	A physical map of the chromosomal region determining O-antigen biosynthesis in Vibrio cholerae O1. <i>Gene</i> , <b>1987</b> , 55, 197-204	3.8	31
69	5-benzylidenerhodanine and 5-benzylidene-2-4-thiazolidinedione based antibacterials. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2012</b> , 22, 2720-2	2.9	30
68	Coiled-coil regions play a role in the function of the Shigella flexneri O-antigen chain length regulator WzzpHS2. <i>Microbiology (United Kingdom)</i> , <b>2008</b> , 154, 1104-1116	2.9	29
67	Lipopolysaccharide with an altered O-antigen produced in Escherichia coli K-12 harbouring mutated, cloned Shigella flexneri rfb genes. <i>Molecular Microbiology</i> , <b>1995</b> , 18, 209-23	4.1	29
66	The role of bacterial protein tyrosine phosphatases in the regulation of the biosynthesis of secreted polysaccharides. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 20, 2274-89	8.4	28
65	Bioengineered bugs expressing oligosaccharide receptor mimics: toxin-binding probiotics for treatment and prevention of enteric infections. <i>Bioengineered Bugs</i> , <b>2010</b> , 1, 172-7		28
64	Mutagenesis and chemical cross-linking suggest that Wzz dimer stability and oligomerization affect lipopolysaccharide O-antigen modal chain length control. <i>Journal of Bacteriology</i> , <b>2010</b> , 192, 3385-93	3.5	28
63	Lipopolysaccharide O antigen chains mask IcsA (VirG) in Shigella flexneri. <i>FEMS Microbiology Letters</i> , <b>2003</b> , 221, 173-80	2.9	28
62	Molecular and genetic characterization of the capsule biosynthesis locus of Streptococcus pneumoniae type 23F. <i>Microbiology (United Kingdom)</i> , <b>1999</b> , 145 ( Pt 4), 781-789	2.9	28
61	Dynamin-related protein Drp1 and mitochondria are important for Shigella flexneri infection. <i>International Journal of Medical Microbiology</i> , <b>2014</b> , 304, 530-41	3.7	25
60	Chemical inhibition of bacterial protein tyrosine phosphatase suppresses capsule production. <i>PLoS ONE</i> , <b>2012</b> , 7, e36312	3.7	25

59	The actin-based motility defect of a <i>Shigella flexneri</i> rmlD rough LPS mutant is not due to loss of lcsA polarity. <i>Microbial Pathogenesis</i> , <b>2003</b> , 35, 11-8	3.8	24
58	Relationship between O-antigen chain length and resistance to colicin E2 in <i>Shigella flexneri</i> . <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 589-601	2.9	23
57	Molecular cloning of the tolC locus of <i>Escherichia coli</i> K-12 with the use of transposon Tn10. <i>Molecular Genetics and Genomics</i> , <b>1981</b> , 184, 430-3		23
56	Surface co-expression of <i>Vibrio cholerae</i> and <i>Salmonella typhi</i> O-antigens on Ty21a clone EX210. <i>Microbial Pathogenesis</i> , <b>1990</b> , 8, 177-88	3.8	22
55	<i>Escherichia coli</i> 83972 expressing a P fimbriae oligosaccharide receptor mimic impairs adhesion of uropathogenic <i>E. coli</i> . <i>Journal of Infectious Diseases</i> , <b>2012</b> , 206, 1242-9	7	20
54	Towards a live oral vaccine against enterotoxigenic <i>Escherichia coli</i> of swine. <i>Vaccine</i> , <b>1988</b> , 6, 387-9	4.1	20
53	New locus (ttr) in <i>Escherichia coli</i> K-12 affecting sensitivity to bacteriophage T2 and growth on oleate as the sole carbon source. <i>Journal of Bacteriology</i> , <b>1986</b> , 168, 534-40	3.5	20
52	Detection of Wzy/Wzz interaction in <i>Shigella flexneri</i> . <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 1797-1805		20
51	Construction of K88- and K99-expressing clones of <i>Salmonella typhimurium</i> G30: immunogenicity following oral administration to pigs. <i>Vaccine</i> , <b>1994</b> , 12, 513-7	4.1	18
50	In <i>Vibrio cholerae</i> serogroup O1, rfaD is closely linked to the rfb operon. <i>Gene</i> , <b>1995</b> , 155, 67-72	3.8	17
49	Unprecedented Abundance of Protein Tyrosine Phosphorylation Modulates <i>Shigella flexneri</i> Virulence. <i>Journal of Molecular Biology</i> , <b>2016</b> , 428, 4197-4208	6.5	16
48	Tyrosine phosphorylation enhances activity of pneumococcal autolysin LytA. <i>Microbiology (United Kingdom)</i> , <b>2014</b> , 160, 2745-2754	2.9	15
47	Mutational analysis of the major periplasmic loops of <i>Shigella flexneri</i> Wzy: identification of the residues affecting O antigen modal chain length control, and Wzz-dependent polymerization activity. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 774-85	2.9	15
46	lcsA autotransporter passenger promotes increased fusion protein expression on the cell surface. <i>Microbial Cell Factories</i> , <b>2012</b> , 11, 20	6.4	14
45	Identification of <i>Streptococcus pneumoniae</i> Cps2C residues that affect capsular polysaccharide polymerization, cell wall ligation, and Cps2D phosphorylation. <i>Journal of Bacteriology</i> , <b>2011</b> , 193, 2341-6 <sup>3.5</sup>		14
44	Detection of an OmpA-like protein in <i>Vibrio cholerae</i> . <i>FEMS Microbiology Letters</i> , <b>1986</b> , 37, 99-104	2.9	14
43	Residues located inside the <i>Escherichia coli</i> FepE protein oligomer are essential for lipopolysaccharide O-antigen modal chain length regulation. <i>Microbiology (United Kingdom)</i> , <b>2013</b> , 159, 701-714	2.9	13
42	Myosin IIA is essential for <i>Shigella flexneri</i> cell-to-cell spread. <i>Pathogens and Disease</i> , <b>2014</b> , 72, 174-87	4.2	13

41	LPS unmasking of <i>Shigella flexneri</i> reveals preferential localisation of tagged outer membrane protease IcsP to septa and new poles. <i>PLoS ONE</i> , <b>2013</b> , 8, e70508	3.7	13
40	A putative pathway for biosynthesis of the O-antigen component, 3-deoxy-L-glycero-tetronic acid, based on the sequence of the <i>Vibrio cholerae</i> O1 rfb region. <i>Gene</i> , <b>1995</b> , 166, 19-31	3.8	13
39	Effect of lipopolysaccharide core synthesis mutations on the production of <i>Vibrio cholerae</i> O-antigen in <i>Escherichia coli</i> K-12. <i>FEMS Microbiology Letters</i> , <b>1991</b> , 66, 279-85	2.9	13
38	Dual inhibition of DNA polymerase PolC and protein tyrosine phosphatase CpsB uncovers a novel antibiotic target. <i>Biochemical and Biophysical Research Communications</i> , <b>2013</b> , 430, 167-72	3.4	12
37	Wzy-dependent bacterial capsules as potential drug targets. <i>Current Drug Targets</i> , <b>2012</b> , 13, 1421-31	3	12
36	Absence of O antigen suppresses <i>Shigella flexneri</i> IcsA autochaperone region mutations. <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 2835-2850	2.9	10
35	Multicopy <i>icsA</i> is able to suppress the virulence defect caused by the <i>wzz(SF)</i> mutation in <i>Shigella flexneri</i> . <i>FEMS Microbiology Letters</i> , <b>2003</b> , 221, 213-9	2.9	10
34	Mutational analysis of the <i>Shigella flexneri</i> O-antigen polymerase Wzy: identification of Wzz-dependent Wzy mutants. <i>Journal of Bacteriology</i> , <b>2015</b> , 197, 108-19	3.5	9
33	The passenger-associated transport repeat promotes virulence factor secretion efficiency and delineates a distinct autotransporter subtype. <i>Molecular Microbiology</i> , <b>2015</b> , 97, 315-29	4.1	8
32	Impact of dynasore an inhibitor of dynamin II on <i>Shigella flexneri</i> infection. <i>PLoS ONE</i> , <b>2013</b> , 8, e84975	3.7	8
31	A new locus, <i>stc</i> , which affects the phenotype of <i>tolC</i> mutants of <i>Escherichia coli</i> K-12. <i>Molecular Genetics and Genomics</i> , <b>1982</b> , 187, 335-341		8
30	Bacteriophage Lambda as a Delivery Vector for Tn10-Derived Transposons in <i>Xenorhabdus bovienii</i> . <i>Applied and Environmental Microbiology</i> , <b>1993</b> , 59, 3050-5	4.8	8
29	Identification of <i>Shigella flexneri</i> IcsA residues affecting interaction with N-WASP, and evidence for IcsA-IcsA co-operative interaction. <i>PLoS ONE</i> , <b>2013</b> , 8, e55152	3.7	8
28	Complete Genome Sequence of SfII, a Serotype-Converting Bacteriophage of the Highly Prevalent <i>Shigella flexneri</i> Serotype 2a. <i>Genome Announcements</i> , <b>2013</b> , 1,		7
27	Immunization of mice with <i>Salmonella typhimurium</i> C5 <i>aroA</i> expressing a genetically toxoided derivative of the pneumococcal toxin pneumolysin. <i>Microbial Pathogenesis</i> , <b>1993</b> , 14, 95-102	3.8	7
26	Protection against Shiga-Toxigenic <i>Escherichia coli</i> by Non-Genetically Modified Organism Receptor Mimic Bacterial Ghosts. <i>Infection and Immunity</i> , <b>2015</b> , 83, 3526-33	3.7	6
25	Self-association of the <i>Shigella flexneri</i> IcsA autotransporter protein. <i>Microbiology (United Kingdom)</i> , <b>2012</b> , 158, 1874-1883	2.9	6
24	Regions of the cloned <i>Vibrio cholerae</i> rfb genes needed to determine the Ogawa form of the O-antigen. <i>Molecular Genetics and Genomics</i> , <b>1990</b> , 224, 405-12		6

23	Structural and Biochemical Analysis of a Single Amino-Acid Mutant of WzzBSF That Alters Lipopolysaccharide O-Antigen Chain Length in <i>Shigella flexneri</i> . <i>PLoS ONE</i> , <b>2015</b> , 10, e0138266	3.7	6
22	Topology of <i>Streptococcus pneumoniae</i> CpsC, a polysaccharide copolymerase and bacterial protein tyrosine kinase adaptor protein. <i>Journal of Bacteriology</i> , <b>2015</b> , 197, 120-7	3.5	5
21	A small conserved motif supports polarity augmentation of <i>Shigella flexneri</i> IcsA. <i>Microbiology (United Kingdom)</i> , <b>2015</b> , 161, 2087-97	2.9	5
20	Conserved transmembrane glycine residues in the <i>Shigella flexneri</i> polysaccharide co-polymerase protein WzzB influence protein-protein interactions. <i>Microbiology (United Kingdom)</i> , <b>2016</b> , 162, 921-929	2.9	5
19	Polysaccharide co-polymerase WzzB/WzzE chimeras reveal transmembrane 2 region of WzzB is important for interaction with WzyB. <i>Journal of Bacteriology</i> , <b>2020</b> ,	3.5	5
18	Differential immunogenicity of <i>Vibrio cholerae</i> O139 variants expressing different combinations of naturally occurring and atypical forms of the serogroup polysaccharide. <i>Vaccine</i> , <b>2009</b> , 27, 1055-61	4.1	4
17	Characterization of the capsular polysaccharide biosynthesis locus of <i>Streptococcus pneumoniae</i> type 19F. <i>Microbial Drug Resistance</i> , <b>1997</b> , 3, 89-99	2.9	4
16	Release of chloramphenicol acetyl transferase from recombinant <i>Escherichia coli</i> by sonication and the French press. <i>Biotechnology Letters</i> , <b>1995</b> , 9, 477-480		4
15	Detection of several diisopropylfluorophosphate-binding proteins in the outer membrane of <i>Escherichia coli</i> K-12. <i>FEMS Microbiology Letters</i> , <b>1984</b> , 23, 179-182	2.9	4
14	The virulence domain of <i>Shigella</i> IcsA contains a subregion with specific host cell adhesion function. <i>PLoS ONE</i> , <b>2020</b> , 15, e0227425	3.7	4
13	In vitro characterization and identification of potential substrates of a low molecular weight protein tyrosine phosphatase in <i>Streptococcus pneumoniae</i> . <i>Microbiology (United Kingdom)</i> , <b>2018</b> , 164, 697-703	2.9	3
12	Specific blood group antibodies inhibit <i>Shigella flexneri</i> interaction with human cells in the absence of spinoculation. <i>Biochemical and Biophysical Research Communications</i> , <b>2020</b> , 521, 131-136	3.4	3
11	Lipopolysaccharide surface structure does not influence IcsA polarity. <i>FEMS Microbiology Letters</i> , <b>2015</b> , 362, fmv042	2.9	2
10	Targets Human Colonic Goblet Cells by O Antigen Binding to Sialyl-Tn and Tn Antigens via Glycan-Glycan Interactions. <i>ACS Infectious Diseases</i> , <b>2020</b> , 6, 2604-2615	5.5	2
9	Identification of a Region in <i>Shigella flexneri</i> WzyB Disrupting the Interaction with Wzz. <i>Journal of Bacteriology</i> , <b>2021</b> , 203, e0041321	3.5	2
8	Capsule Structure, Synthesis, and Regulation <b>2015</b> , 169-179		1
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