Bradley R Clarke

List of Publications by Year
in descending order

23	1,452	430874	642732
papers	citations	18 h-index	23 g-index

23	23	23	1548
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The molecular basis of regulation of bacterial capsule assembly by Wzc. Nature Communications, 2021, 12, 4349.	12.8	25
2	Analysis of the Topology and Active-Site Residues of WbbF, a Putative O-Polysaccharide Synthase from Salmonella enterica Serovar Borreze. Journal of Bacteriology, 2020, 202, .	2.2	5
3	A bifunctional O-antigen polymerase structure reveals a new glycosyltransferase family. Nature Chemical Biology, 2020, 16, 450-457.	8.0	26
4	Substrate recognition by a carbohydrate-binding module in the prototypical ABC transporter for lipopolysaccharide O-antigen from Escherichia coli O9a. Journal of Biological Chemistry, 2019, 294, 14978-14990.	3.4	9
5	Klebsiella pneumoniae O1 and O2ac antigens provide prototypes for an unusual strategy for polysaccharide antigen diversification. Journal of Biological Chemistry, 2019, 294, 10863-10876.	3.4	20
6	Molecular basis for the structural diversity in serogroup O2-antigen polysaccharides in Klebsiella pneumoniae. Journal of Biological Chemistry, 2018, 293, 4666-4679.	3.4	42
7	The Klebsiella pneumoniae O12 ATP-binding Cassette (ABC) Transporter Recognizes the Terminal Residue of Its O-antigen Polysaccharide Substrate. Journal of Biological Chemistry, 2016, 291, 9748-9761.	3.4	26
8	Domain Interactions Control Complex Formation and Polymerase Specificity in the Biosynthesis of the Escherichia coli O9a Antigen. Journal of Biological Chemistry, 2015, 290, 1075-1085.	3.4	19
9	A coiled-coil domain acts as a molecular ruler to regulate O-antigen chain length in lipopolysaccharide. Nature Structural and Molecular Biology, 2015, 22, 50-56.	8.2	55
10	Lipopolysaccharide O antigen size distribution is determined by a chain extension complex of variable stoichiometry in Escherichia coli O9a. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 6407-6412.	7.1	41
11	Crystallization, dehydration and experimental phasing of WbdD, a bifunctional kinase and methyltransferase fromEscherichia coliO9a. Acta Crystallographica Section D: Biological Crystallography, 2012, 68, 1371-1379.	2.5	5
12	Structure of <scp>WbdD</scp>: a bifunctional kinase and methyltransferase that regulates the chain length of the <scp>O</scp> antigen in <scp>E</scp>scherichia coli<scp>O9a</scp>. Molecular Microbiology, 2012, 86, 730-742.	2.5	29
13	In Vitro Reconstruction of the Chain Termination Reaction in Biosynthesis of the Escherichia coli O9a O-Polysaccharide. Journal of Biological Chemistry, 2011, 286, 41391-41401.	3.4	36
14	Coordination of Polymerization, Chain Termination, and Export in Assembly of the Escherichia coli Lipopolysaccharide O9a Antigen in an ATP-binding Cassette Transporter-dependent Pathway. Journal of Biological Chemistry, 2009, 284, 30662-30672.	3.4	40
15	The 3D structure of a periplasm-spanning platform required for assembly of group 1 capsular polysaccharides in Escherichia coli. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2390-2395.	7.1	139
16	Wza the translocon for E. coli capsular polysaccharides defines a new class of membrane protein. Nature, 2006, 444, 226-229.	27.8	321
17	Periplasmic Protein-Protein Contacts in the Inner Membrane Protein Wzc Form a Tetrameric Complex Required for the Assembly of Escherichia coli Group 1 Capsules. Journal of Biological Chemistry, 2006, 281, 2144-2150.	3.4	61
18	Substrate specificity of bacterial oligosaccharyltransferase suggests a common transfer mechanism for the bacterial and eukaryotic systems. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 7088-7093.	7.1	177

#	Article	IF	Citations
19	Nonreducing Terminal Modifications Determine the Chain Length of Polymannose O Antigens of Escherichia coli and Couple Chain Termination to Polymer Export via an ATP-binding Cassette Transporter. Journal of Biological Chemistry, 2004, 279, 35709-35718.	3.4	100
20	Cloning, Expression, and Purification of the K5 Capsular Polysaccharide Lyase (KflA) from Coliphage K5A: Evidence for Two Distinct K5 Lyase Enzymes. Journal of Bacteriology, 2000, 182, 3761-3766.	2.2	51
21	Genetic Organization of the Escherichia coli K10 Capsule Gene Cluster: Identification and Characterization of Two Conserved Regions in Group III Capsule Gene Clusters Encoding Polysaccharide Transport Functions. Journal of Bacteriology, 1999, 181, 2279-2285.	2.2	41
22	Regulation of the Escherichia coli K5 capsule gene cluster by transcription antitermination. Molecular Microbiology, 1997, 24, 1001-1012.	2.5	81
23	Identification of an ATP-binding cassette transport system required for translocation of lipopolysaccharide O-antigen side-chains across the cytoplasmic membrane of Klebsiella pneumoniae serotype O1. Molecular Microbiology, 1994, 14, 505-519.	2.5	103