

Bradley R Clarke

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8250274/publications.pdf>

Version: 2024-02-01

23
papers

1,452
citations

430874

18
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

1548
citing authors

#	ARTICLE	IF	CITATIONS
1	Wza the translocon for <i>E. coli</i> capsular polysaccharides defines a new class of membrane protein. <i>Nature</i> , 2006, 444, 226-229.	27.8	321
2	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> , 2006, 103, 7088-7093.	7.1	177
3	The 3D structure of a periplasm-spanning platform required for assembly of group 1 capsular polysaccharides in <i>Escherichia coli</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 2390-2395.	7.1	139
4	Identification of an ATP-binding cassette transport system required for translocation of lipopolysaccharide O-antigen side-chains across the cytoplasmic membrane of <i>Klebsiella pneumoniae</i> serotype O1. <i>Molecular Microbiology</i> , 1994, 14, 505-519.	2.5	103
5	Nonreducing Terminal Modifications Determine the Chain Length of Polymannose O Antigens of <i>Escherichia coli</i> and Couple Chain Termination to Polymer Export via an ATP-binding Cassette Transporter. <i>Journal of Biological Chemistry</i> , 2004, 279, 35709-35718.	3.4	100
6	Regulation of the <i>Escherichia coli</i> K5 capsule gene cluster by transcription antitermination. <i>Molecular Microbiology</i> , 1997, 24, 1001-1012.	2.5	81
7	Periplasmic Protein-Protein Contacts in the Inner Membrane Protein Wzc Form a Tetrameric Complex Required for the Assembly of <i>Escherichia coli</i> Group 1 Capsules. <i>Journal of Biological Chemistry</i> , 2006, 281, 2144-2150.	3.4	61
8	A coiled-coil domain acts as a molecular ruler to regulate O-antigen chain length in lipopolysaccharide. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 50-56.	8.2	55
9	Cloning, Expression, and Purification of the K5 Capsular Polysaccharide Lyase (KfIA) from Coliphage K5A: Evidence for Two Distinct K5 Lyase Enzymes. <i>Journal of Bacteriology</i> , 2000, 182, 3761-3766.	2.2	51
10	Molecular basis for the structural diversity in serogroup O2-antigen polysaccharides in <i>Klebsiella pneumoniae</i> . <i>Journal of Biological Chemistry</i> , 2018, 293, 4666-4679.	3.4	42
11	Lipopolysaccharide O antigen size distribution is determined by a chain extension complex of variable stoichiometry in <i>Escherichia coli</i> O9a. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 6407-6412.	7.1	41
12	Genetic Organization of the <i>Escherichia coli</i> K10 Capsule Gene Cluster: Identification and Characterization of Two Conserved Regions in Group III Capsule Gene Clusters Encoding Polysaccharide Transport Functions. <i>Journal of Bacteriology</i> , 1999, 181, 2279-2285.	2.2	41
13	Coordination of Polymerization, Chain Termination, and Export in Assembly of the <i>Escherichia coli</i> Lipopolysaccharide O9a Antigen in an ATP-binding Cassette Transporter-dependent Pathway. <i>Journal of Biological Chemistry</i> , 2009, 284, 30662-30672.	3.4	40
14	In Vitro Reconstruction of the Chain Termination Reaction in Biosynthesis of the <i>Escherichia coli</i> O9a O-Polysaccharide. <i>Journal of Biological Chemistry</i> , 2011, 286, 41391-41401.	3.4	36
15	Structure of WbdD: a bifunctional kinase and methyltransferase that regulates the chain length of the O antigen in <i>Escherichia coli</i> O9a. <i>Molecular Microbiology</i> , 2012, 86, 730-742.	2.5	29
16	The <i>Klebsiella pneumoniae</i> O12 ATP-binding Cassette (ABC) Transporter Recognizes the Terminal Residue of Its O-antigen Polysaccharide Substrate. <i>Journal of Biological Chemistry</i> , 2016, 291, 9748-9761.	3.4	26
17	A bifunctional O-antigen polymerase structure reveals a new glycosyltransferase family. <i>Nature Chemical Biology</i> , 2020, 16, 450-457.	8.0	26
18	The molecular basis of regulation of bacterial capsule assembly by Wzc. <i>Nature Communications</i> , 2021, 12, 4349.	12.8	25

#	ARTICLE	IF	CITATIONS
19	Klebsiella pneumoniae O1 and O2ac antigens provide prototypes for an unusual strategy for polysaccharide antigen diversification. <i>Journal of Biological Chemistry</i> , 2019, 294, 10863-10876.	3.4	20
20	Domain Interactions Control Complex Formation and Polymerase Specificity in the Biosynthesis of the Escherichia coli O9a Antigen. <i>Journal of Biological Chemistry</i> , 2015, 290, 1075-1085.	3.4	19
21	Substrate recognition by a carbohydrate-binding module in the prototypical ABC transporter for lipopolysaccharide O-antigen from Escherichia coli O9a. <i>Journal of Biological Chemistry</i> , 2019, 294, 14978-14990.	3.4	9
22	Crystallization, dehydration and experimental phasing of WbdD, a bifunctional kinase and methyltransferase from Escherichia coli O9a. <i>Acta Crystallographica Section D: Biological Crystallography</i> , 2012, 68, 1371-1379.	2.5	5
23	Analysis of the Topology and Active-Site Residues of WbbF, a Putative O-Polysaccharide Synthase from Salmonella enterica Serovar Borreze. <i>Journal of Bacteriology</i> , 2020, 202, .	2.2	5