Susan M Logan

List of Publications by Year
in descending order

64 papers	4,638 citations	109321 35 h-index	118850 62 g-index
64 all docs	64 docs citations	64 times ranked	3227 citing authors

#	Article	IF	Citations
1	Identification of a novel N-linked glycan on the archaellins and S-layer protein of the thermophilic methanogen, Methanothermococcus thermolithotrophicus. Journal of Biological Chemistry, 2020, 295, 14618-14629.	3.4	11
2	Development and Characterization of Mouse Monoclonal Antibodies Specific for Clostridiodes (Clostridium) difficile Lipoteichoic Acid. ACS Chemical Biology, 2020, 15, 1050-1058.	3.4	7
3	In Vitro Production and Immunogenicity of a Clostridium difficile Spore-Specific BclA3 Glycopeptide Conjugate Vaccine. Vaccines, 2020, 8, 73.	4.4	9
4	Antibiotic-Resistant Acinetobacter baumannii Is Susceptible to the Novel Iron-Sequestering Anti-infective DIBI In Vitro and in Experimental Pneumonia in Mice. Antimicrobial Agents and Chemotherapy, 2019, 63, .	3.2	23
5	The S-layer protein of a Clostridium difficile SLCT-11 strain displays a complex glycan required for normal cell growth and morphology. Journal of Biological Chemistry, 2018, 293, 18123-18137.	3.4	13
6	Structural characterization of wall and lipidated polysaccharides from Clostridium perfringens ATCC 13124. Carbohydrate Research, 2017, 448, 88-94.	2.3	5
7	A novel glycan modifies the flagellar filament proteins of the oral bacterium <scp>T</scp>reponema denticola. Molecular Microbiology, 2017, 103, 67-85.	2.5	27
8	The Type B Flagellin of Hypervirulent Clostridium difficile Is Modified with Novel Sulfonated Peptidylamido-glycans. Journal of Biological Chemistry, 2016, 291, 25439-25449.	3.4	16
9	Role of Glycosyltransferases Modifying Type B Flagellin of Emerging Hypervirulent Clostridium difficile Lineages and Their Impact on Motility and Biofilm Formation. Journal of Biological Chemistry, 2016, 291, 25450-25461.	3.4	49
10	Identification of a gene involved in the biosynthesis pathway of the terminal sugar of the archaellin N-linked tetrasaccharide in Methanococcus maripaludis. Antonie Van Leeuwenhoek, 2016, 109, 131-148.	1.7	4
11	Targeting surface-layer proteins with single-domain antibodies: a potential therapeutic approach against Clostridium difficile-associated disease. Applied Microbiology and Biotechnology, 2015, 99, 8549-8562.	3.6	25
12	Evidence that Biosynthesis of the Second and Third Sugars of the Archaellin Tetrasaccharide in the Archaeon Methanococcus maripaludis Occurs by the Same Pathway Used by Pseudomonas aeruginosa To Make a Di-N-Acetylated Sugar. Journal of Bacteriology, 2015, 197, 1668-1680.	2.2	17
13	Small-Molecule Inhibitors of the Pseudaminic Acid Biosynthetic Pathway: Targeting Motility as a Key Bacterial Virulence Factor. Antimicrobial Agents and Chemotherapy, 2014, 58, 7430-7440.	3.2	36
14	The postâ€translational modification of the <scp>C</scp>lostridium difficile flagellin affects motility, cell surface properties and virulence. Molecular Microbiology, 2014, 94, 272-289.	2.5	47
15	Identification and Characterization of Glycoproteins on the Spore Surface of Clostridium difficile. Journal of Bacteriology, 2014, 196, 2627-2637.	2.2	25
16	Investigating the candidacy of a lipoteichoic acid-based glycoconjugate as a vaccine to combat Clostridium difficile infection. Glycoconjugate Journal, 2013, 30, 843-855.	2.7	46
17	Identification of Genes Involved in the Biosynthesis of the Third and Fourth Sugars of the Methanococcus maripaludis Archaellin N-Linked Tetrasaccharide. Journal of Bacteriology, 2013, 195, 4094-4104.	2.2	19
18	Pentavalent Single-Domain Antibodies Reduce Campylobacter jejuni Motility and Colonization in Chickens. PLoS ONE, 2013, 8, e83928.	2.5	42

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19	Identification of Genes Involved in the Acetamidino Group Modification of the Flagellin N-Linked Glycan of Methanococcus maripaludis. Journal of Bacteriology, 2012, 194, 2693-2702.	2.2	34
20	Modulation of Toxin Production by the Flagellar Regulon in Clostridium difficile. Infection and Immunity, 2012, 80, 3521-3532.	2.2	128
21	Structural characterization of surface glycans from Clostridium difficile. Carbohydrate Research, 2012, 354, 65-73.	2.3	78
22	Genetic and Mass Spectrometry Analyses of the Unusual Type IV-Like Pili of the ArchaeonMethanococcus maripaludis. Journal of Bacteriology, 2011, 193, 804-814.	2.2	60
23	Glycosylation of bacterial and archaeal flagellins. , 2010, , 129-146.		0
24	Motility and Flagellar Glycosylation in Clostridium difficile. Journal of Bacteriology, 2009, 191, 7050-7062.	2.2	126
25	AglC and AglK Are Involved in Biosynthesis and Attachment of Diacetylated Glucuronic Acid to the N-Glycan in Methanococcus voltae. Journal of Bacteriology, 2009, 191, 187-195.	2.2	46
26	Identification of Novel Glycosyltransferases Required for Assembly of the Pasteurella multocida A:1 Lipopolysaccharide and Their Involvement in Virulence. Infection and Immunity, 2009, 77, 1532-1542.	2.2	27
27	Campylobacter jejuni Glycosylation Island Important in Cell Charge, Legionaminic Acid Biosynthesis, and Colonization of Chickens. Infection and Immunity, 2009, 77, 2544-2556.	2.2	121
28	Structural and Functional Analysis of Campylobacter jejuni PseG. Journal of Biological Chemistry, 2009, 284, 20989-21000.	3.4	21
29	The CMP-legionaminic acid pathway in Campylobacter: Biosynthesis involving novel GDP-linked precursors. Glycobiology, 2009, 19, 715-725.	2.5	121
30	The Engineering of Bacteria Bearing Azidoâ€Pseudaminic Acidâ€Modified Flagella. ChemBioChem, 2009, 10, 1317-1320.	2.6	55
31	A novel N-linked flagellar glycan from Methanococcus maripaludis. Carbohydrate Research, 2009, 344, 648-653.	2.3	67
32	Identification of genes involved in the assembly and attachment of a novel flagellin Nâ€linked tetrasaccharide important for motility in the archaeon Methanococcus maripaludis. Molecular Microbiology, 2009, 72, 633-644.	2.5	84
33	Identification of novel carbohydrate modifications on Campylobacterâ€ƒjejuni 11168 flagellin using metabolomicsâ€based approaches. FEBS Journal, 2009, 276, 1014-1023.	4.7	61
34	CMPâ€Pseudaminic Acid is a Natural Potent Inhibitor of PseB, the First Enzyme of the Pseudaminic Acid Pathway in Campylobacter jejuni and Helicobacter pylori. ChemMedChem, 2008, 3, 55-59.	3.2	21
35	Effect of the HP0159 ORF mutation on the lipopolysaccharide structure and colonizing ability ofHelicobacter pylori. FEMS Immunology and Medical Microbiology, 2008, 53, 204-213.	2.7	20
36	Flagellar glycosylation in Clostridiumâ€ƒbotulinum. FEBS Journal, 2008, 275, 4428-4444.	4.7	72

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37	Flagellin and Outer Surface Proteins from Borrelia burgdorferi Are Not Glycosylated. Journal of Bacteriology, 2008, 190, 2619-2623.	2.2	16
38	Targeted Metabolomics Analysis of Campylobacter coli VC167 Reveals Legionaminic Acid Derivatives as Novel Flagellar Glycans. Journal of Biological Chemistry, 2007, 282, 14463-14475.	3.4	107
39	Flagellin Diversity in Clostridium botulinum Groups I and II: a New Strategy for Strain Identification. Applied and Environmental Microbiology, 2007, 73, 2963-2975.	3.1	34
40	Characterization of a waaF mutant of Helicobacter pylori strain 26695 provides evidence that an extended lipopolysaccharide structure has a limited role in the invasion of gastric cancer cells. Biochemistry and Cell Biology, 2007, 85, 582-590.	2.0	14
41	Protein Glycosylation in Campylobacter jejuni : Partial Suppression of pglF by Mutation of pseC. Journal of Bacteriology, 2007, 189, 6731-6733.	2.2	13
42	Changes in flagellin glycosylation affect Campylobacter autoagglutination and virulence. Molecular Microbiology, 2006, 60, 299-311.	2.5	227
43	Identification of genes involved in the biosynthesis and attachment of Methanococcus voltae Nâ€linked glycans: insight into Nâ€linked glycosylation pathways in Archaea. Molecular Microbiology, 2006, 61, 259-268.	2.5	138
44	Production of a d-glycero-d-manno-heptosyltransferase mutant of Mannheimia haemolytica displaying a veterinary pathogen specific conserved LPS structure; development and functionality of antibodies to this LPS structure. Veterinary Microbiology, 2006, 116, 175-186.	1.9	14
45	Identification of Labile UDP-Ketosugars in Helicobacter pylori, Campylobacter jejuni and Pseudomonas aeruginosa: Key Metabolites used to make Glycan Virulence Factors. ChemBioChem, 2006, 7, 1865-1868.	2.6	23
46	Elucidation of the CMP-pseudaminic acid pathway in Helicobacter pylori: synthesis from UDP-N-acetylglucosamine by a single enzymatic reaction. Glycobiology, 2006, 16, 8C-14C.	2.5	153
47	Functional Characterization of the Flagellar Glycosylation Locus in Campylobacter jejuni 81â€“176 Using a Focused Metabolomics Approach. Journal of Biological Chemistry, 2006, 281, 18489-18498.	3.4	105
48	Structural and Functional Characterization of PseC, an Aminotransferase Involved in the Biosynthesis of Pseudaminic Acid, an Essential Flagellar Modification in Helicobacter pylori. Journal of Biological Chemistry, 2006, 281, 8907-8916.	3.4	88
49	Glycosylation of b-Type Flagellin of Pseudomonas aeruginosa : Structural and Genetic Basis. Journal of Bacteriology, 2006, 188, 4395-4403.	2.2	73
50	Functional Characterization of Dehydratase/Aminotransferase Pairs from Helicobacter and Campylobacter. Journal of Biological Chemistry, 2006, 281, 723-732.	3.4	154
51	Identification and Characterization of the Unique N-Linked Glycan Common to the Flagellins and S-layer Glycoprotein of Methanococcus voltae. Journal of Biological Chemistry, 2005, 280, 16586-16593.	3.4	132
52	Evasion of Toll-like receptor 5 by flagellated bacteria. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9247-9252.	7.1	560
53	Identification of a d - glycero - d - manno -Heptosyltransferase Gene from Helicobacter pylori. Journal of Bacteriology, 2005, 187, 5156-5165.	2.2	38
54	Novel biosynthetic functions of lipopolysaccharide rfaJ homologs from Helicobacter pylori. Glycobiology, 2005, 15, 721-733.	2.5	50

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55	Identification of Unusual Bacterial Glycosylation by Tandem Mass Spectrometry Analyses of Intact Proteins. Analytical Chemistry, 2005, 77, 7774-7782.	6.5	120
56	Selective Detection and Identification of Sugar Nucleotides by CEâ^'Electrospray-MS and Its Application to Bacterial Metabolomics. Analytical Chemistry, 2004, 76, 619-626.	6.5	62
57	Pseudaminic acid, the major modification on Campylobacter flagellin, is synthesized via the Cj1293 gene. Molecular Microbiology, 2003, 50, 659-671.	2.5	174
58	Campylobacter â€“ a tale of two protein glycosylation systems. Trends in Microbiology, 2003, 11, 233-238.	7.7	166
59	Occurrence of a nontypable Helicobacter pylori strain lacking Lewis blood group O antigens and DD-heptoglycan: evidence for the role of the core Â1,6-glucan chain in colonization. Glycobiology, 2003, 13, 777-783.	2.5	34
60	Structural heterogeneity of carbohydrate modifications affects serospecificity ofCampylobacterflagellins. Molecular Microbiology, 2002, 46, 587-597.	2.5	132
61	Helicobacter pylorifrom asymptomatic hosts expressing heptoglycan but lacking Lewis O-chains: Lewis blood-group O-chains may play a role inHelicobacter pyloriinduced pathology. Biochemistry and Cell Biology, 2001, 79, 449-459.	2.0	24
62	Identification of the Carbohydrate Moieties and Glycosylation Motifs in Campylobacter jejuni Flagellin. Journal of Biological Chemistry, 2001, 276, 34862-34870.	3.4	323
63	Lipopolysaccharide structures of Helicobacter pylori genomic strains 26695 and J99, mouse model H.â€ƒpylori Sydney strain, H.â€ƒpylori P466 carrying sialyl Lewis X, and H.â€ƒpylori UA915 expressing Lewis B. FEBS Journal, 2000, 267, 305-320.	0.2	97
64	O-Linked Flagellar Glycosylation in Campylobacter. , 0, , 471-481.		4