Mark S Mcclain

List of Publications by Year
in descending order

58 papers	2,648 citations	172386 29 h-index	182361 51 g-index
58 all docs	58 docs citations	58 times ranked	2129 citing authors

#	Article	IF	Citations
1	Delineation of the pH-Responsive Regulon Controlled by the Helicobacter pylori ArsRS Two-Component System. Infection and Immunity, 2021, 89, .	1.0	17
2	Functional Properties of Oligomeric and Monomeric Forms of Helicobacter pylori VacA Toxin. Infection and Immunity, 2021, 89, e0034821.	1.0	5
3	Enhanced Fitness of a Helicobacter pylori babA Mutant in a Murine Model. Infection and Immunity, 2021, 89, e0072520.	1.0	3
4	Inertial-based Fluidic Platform for Rapid Isolation of Blood-borne Pathogens. Military Medicine, 2021, 186, 129-136.	0.4	1
5	Lipoprotein Processing and Sorting in Helicobacter pylori. MBio, 2020, 11, .	1.8	15
6	Temporal Control of the Helicobacter pylori Cag Type IV Secretion System in a Mongolian Gerbil Model of Gastric Carcinogenesis. MBio, 2020, 11, .	1.8	15
7	Bacterial Energetic Requirements for Helicobacter pylori Cag Type IV Secretion System-Dependent Alterations in Gastric Epithelial Cells. Infection and Immunity, 2020, 88, .	1.0	22
8	Functional Properties of Helicobacter pylori VacA Toxin m1 and m2 Variants. Infection and Immunity, 2020, 88, .	1.0	9
9	Effect of environmental salt concentration on the Helicobacter pylori exoproteome. Journal of Proteomics, 2019, 202, 103374.	1.2	14
10	Role of a Stem-Loop Structure in <i>Helicobacter pylori cagA</i> Transcript Stability. Infection and Immunity, 2019, 87, .	1.0	8
11	Magnetic Extraction of <i>Acinetobacter baumannii</i> Using Colistin-Functionalized Î³-Fe₂O₃/Au Core/Shell Composite Nanoclusters. ACS Applied Materials & Interfaces, 2017, 9, 26719-26730.	4.0	10
12	Helicobacter pylori Vacuolating Toxin and Gastric Cancer. Toxins, 2017, 9, 316.	1.5	101
13	Genetic signatures for Helicobacter pylori strains of West African origin. PLoS ONE, 2017, 12, e0188804.	1.1	2
14	An Overview of Helicobacter pylori VacA Toxin Biology. Toxins, 2016, 8, 173.	1.5	155
15	Colistin-Functionalized Nanoparticles for the Rapid Capture of <i>Acinetobacter baumannii</i>. Journal of Biomedical Nanotechnology, 2016, 12, 1806-1819.	0.5	15
16	A Nonoligomerizing Mutant Form of Helicobacter pylori VacA Allows Structural Analysis of the p33 Domain. Infection and Immunity, 2016, 84, 2662-2670.	1.0	19
17	Dynamic Computational Model of Symptomatic Bacteremia to Inform Bacterial Separation Treatment Requirements. PLoS ONE, 2016, 11, e0163167.	1.1	7
18	The Myelin and Lymphocyte Protein MAL Is Required for Binding and Activity of Clostridium perfringens Îµ-Toxin. PLoS Pathogens, 2015, 11, e1004896.	2.1	69

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19	Role of Connexin 43 in Helicobacter pylori VacA-Induced Cell Death. Infection and Immunity, 2014, 82, 423-432.	1.0	37
20	Control of gene expression in Helicobacter pylori using the Tet repressor. Journal of Microbiological Methods, 2013, 95, 336-341.	0.7	13
21	Genome Sequences of Three hpAfrica2 Strains of Helicobacter pylori. Genome Announcements, 2013, 1, .	0.8	11
22	Comparative Genomic Analysis of East Asian and Non-Asian Helicobacter pylori Strains Identifies Rapidly Evolving Genes. PLoS ONE, 2013, 8, e55120.	1.1	27
23	Identification of Amino Acids Important for Binding of <i>Clostridium perfringens</i> Epsilon Toxin to Host Cells and to HAVCR1. Biochemistry, 2012, 51, 7588-7595.	1.2	45
24	The Intermediate Region of Helicobacter pylori VacA Is a Determinant of Toxin Potency in a Jurkat T Cell Assay. Infection and Immunity, 2012, 80, 2578-2588.	1.0	33
25	Coenzyme depletion by members of the aerolysin family of pore-forming toxins leads to diminished ATP levels and cell death. Molecular BioSystems, 2012, 8, 2097.	2.9	18
26	Oligomerization of Clostridium perfringens Epsilon Toxin Is Dependent upon Caveolins 1 and 2. PLoS ONE, 2012, 7, e46866.	1.1	42
27	Analysis of <i>cagA</i> in <i>Helicobacter pylori</i> Strains from Colombian Populations with Contrasting Gastric Cancer Risk Reveals a Biomarker for Disease Severity. Cancer Epidemiology Biomarkers and Prevention, 2011, 20, 2237-2249.	1.1	46
28	Helicobacter pylori VacA Induces Programmed Necrosis in Gastric Epithelial Cells. Infection and Immunity, 2011, 79, 2535-2543.	1.0	99
29	Helicobacter pylori Exploits a Unique Repertoire of Type IV Secretion System Components for Pilus Assembly at the Bacteria-Host Cell Interface. PLoS Pathogens, 2011, 7, e1002237.	2.1	144
30	Gene-Trap Mutagenesis Identifies Mammalian Genes Contributing to Intoxication by Clostridium perfringens Îµ-Toxin. PLoS ONE, 2011, 6, e17787.	1.1	62
31	Identification of Small Molecule Inhibitors of Clostridium perfringens Îµ-Toxin Cytotoxicity Using a Cell-Based High-Throughput Screen. Toxins, 2010, 2, 1825-1847.	1.5	26
32	Analysis of a Î²-helical region in the p55 domain of Helicobacter pylori vacuolating toxin. BMC Microbiology, 2010, 10, 60.	1.3	18
33	Reconstitution of <i>Helicobacter pylori</i> VacA Toxin from Purified Components. Biochemistry, 2010, 49, 5743-5752.	1.2	38
34	Dominant-negative Inhibitors of the Clostridium perfringens Ïµ-Toxin. Journal of Biological Chemistry, 2009, 284, 29446-29453.	1.6	30
35	Reconstruction and functional analysis of altered molecular pathways in human atherosclerotic arteries. BMC Genomics, 2009, 10, 13.	1.2	80
36	Genome sequence analysis of Helicobacter pylori strains associated with gastric ulceration and gastric cancer. BMC Genomics, 2009, 10, 3.	1.2	106

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37	<i>Helicobacter pylori</i>HopQ outer membrane protein attenuates bacterial adherence to gastric epithelial cells. FEMS Microbiology Letters, 2008, 289, 53-58.	0.7	41
38	<i>Helicobacter pylori</i> VacA Subdomain Required for Intracellular Toxin Activity and Assembly of Functional Oligomeric Complexes. Infection and Immunity, 2008, 76, 2843-2851.	1.0	42
39	Crystal structure of the <i>Helicobacter pylori</i> vacuolating toxin p55 domain. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16293-16298.	3.3	143
40	Functional Analysis of Neutralizing Antibodies against Clostridium perfringens Epsilon-Toxin. Infection and Immunity, 2007, 75, 1785-1793.	1.0	37
41	Random Mutagenesis of Helicobacter pylori vacA To Identify Amino Acids Essential for Vacuolating Cytotoxic Activity. Infection and Immunity, 2006, 74, 6188-6195.	1.0	11
42	Mapping of a Domain Required for Protein-Protein Interactions and Inhibitory Activity of a Helicobacter pylori Dominant-Negative VacA Mutant Protein. Infection and Immunity, 2006, 74, 2093-2101.	1.0	15
43	Protein-Protein Interactions among Helicobacter pylori Cag Proteins. Journal of Bacteriology, 2006, 188, 4787-4800.	1.0	63
44	Helicobacter pylori vacuolating toxin. , 2006, , 468-490.		2
45	Functional Properties of the p33 and p55 Domains of the Helicobacter pylori Vacuolating Cytotoxin. Journal of Biological Chemistry, 2005, 280, 21107-21114.	1.6	68
46	Interactions between p-33 and p-55 Domains of the Helicobacter pylori Vacuolating Cytotoxin (VacA). Journal of Biological Chemistry, 2004, 279, 2324-2331.	1.6	49
47	Essential Role of a GXXXG Motif for Membrane Channel Formation by Helicobacter pylori Vacuolating Toxin. Journal of Biological Chemistry, 2003, 278, 12101-12108.	1.6	144
48	Expression of Helicobacter pylori Vacuolating Toxin in Escherichia coli. Infection and Immunity, 2003, 71, 2266-2271.	1.0	16
49	Association of Helicobacter pylori Vacuolating Toxin (VacA) with Lipid Rafts. Journal of Biological Chemistry, 2002, 277, 34642-34650.	1.6	134
50	Amino-Terminal Hydrophobic Region ofHelicobacter pylori Vacuolating Cytotoxin (VacA) Mediates Transmembrane Protein Dimerization. Infection and Immunity, 2001, 69, 1181-1184.	1.0	53
51	Antigenic Diversity among Helicobacter pyloriVacuolating Toxins. Infection and Immunity, 2001, 69, 4329-4336.	1.0	18
52	A 12-Amino-Acid Segment, Present in Type s2 but Not Type s1 Helicobacter pylori VacA Proteins, Abolishes Cytotoxin Activity and Alters Membrane Channel Formation. Journal of Bacteriology, 2001, 183, 6499-6508.	1.0	110
53	Acid activation of Helicobacter pylori vacuolating cytotoxin (VacA) results in toxin internalization by eukaryotic cells. Molecular Microbiology, 2000, 37, 433-442.	1.2	87
54	A Dominant Negative Mutant of Helicobacter pyloriVacuolating Toxin (VacA) Inhibits VacA-induced Cell Vacuolation. Journal of Biological Chemistry, 1999, 274, 37736-37742.	1.6	123

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55	Kinetics and Mechanisms of Extracellular Protein Release by <i>Helicobacter pylori</i>. Infection and Immunity, 1999, 67, 5247-5252.	1.0	31
56	Extracellular Release of Antigenic Proteins by <i>Helicobacter pylori</i>. Infection and Immunity, 1998, 66, 2984-2986.	1.0	88
57	Construction of an alkaline phosphatase fusion-generating transposon, mTn10phoA. Gene, 1996, 170, 147-148.	1.0	8
58	Positive Selection of Mutations in the Helicobacter pylori <i>katA</i> 5â€² Untranslated Region in a Mongolian Gerbil Model of Gastric Disease. Infection and Immunity, 0, , .	1.0	3