

Timothy L Cover

List of Publications by Year in Descending Order

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Version: 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

195
papers

12,999
citations

61
h-index

109
g-index

207
ext. papers

14,170
ext. citations

6.3
avg, IF

6.39
L-index

#	Paper	IF	Citations
195	Loss of Corpus-Specific Lipids in Helicobacter pylori-Induced Atrophic Gastritis. <i>MSphere</i> , 2021 , e0082621	3.7	2
194	Helicobacter pylori-Induced TLR9 Activation and Injury Are Associated With the Virulence-Associated Adhesin HopQ. <i>Journal of Infectious Diseases</i> , 2021 , 224, 360-365	7	1
193	Prediagnostic Antibody Responses to Proteins Are Not Associated with Risk of Colorectal Cancer in a Large U.S. Consortium. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2021 , 30, 1279-1282	4	1
192	Delineation of the pH-Responsive Regulon Controlled by the Helicobacter pylori ArsRS Two-Component System. <i>Infection and Immunity</i> , 2021 , 89,	3.7	3
191	Tracking bacterial effector protein delivery into host cells. <i>Molecular Microbiology</i> , 2021 , 116, 724-728	4.1	
190	Functional Properties of Oligomeric and Monomeric Forms of Helicobacter pylori VacA Toxin. <i>Infection and Immunity</i> , 2021 , 89, e0034821	3.7	0
189	Enhanced Fitness of a Helicobacter pylori Mutant in a Murine Model. <i>Infection and Immunity</i> , 2021 , 89, e0072520	3.7	0
188	Inertial-based Fluidic Platform for Rapid Isolation of Blood-borne Pathogens. <i>Military Medicine</i> , 2021 , 186, 129-136	1.3	
187	Lipoprotein Processing and Sorting in Helicobacter pylori. <i>MBio</i> , 2020 , 11,	7.8	7
186	Temporal Control of the Helicobacter pylori Cag Type IV Secretion System in a Mongolian Gerbil Model of Gastric Carcinogenesis. <i>MBio</i> , 2020 , 11,	7.8	5
185	Bacterial Energetic Requirements for Helicobacter pylori Cag Type IV Secretion System-Dependent Alterations in Gastric Epithelial Cells. <i>Infection and Immunity</i> , 2020 , 88,	3.7	11
184	The Helicobacter pylori Cag Type IV Secretion System. <i>Trends in Microbiology</i> , 2020 , 28, 682-695	12.4	15
183	Cryo-EM reveals species-specific components within the Cag type IV secretion system core complex. <i>ELife</i> , 2020 , 9,	8.9	9
182	LRR8 family proteins within lysosomes regulate cellular osmoregulation and enhance cell survival to multiple physiological stresses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 29155-29165	11.5	16
181	Association of Combined Sero-Positivity to and with Risk of Colorectal Cancer. <i>Microorganisms</i> , 2020 , 8,	4.9	2
180	Racial Differences in CagA Sero-prevalence in a Consortium of Adult Cohorts in the United States. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2020 , 29, 2084-2092	4	4
179	Functional Properties of Helicobacter pylori VacA Toxin m1 and m2 Variants. <i>Infection and Immunity</i> , 2020 , 88,	3.7	3

178	Intracellular Degradation of Helicobacter pylori VacA Toxin as a Determinant of Gastric Epithelial Cell Viability. <i>Infection and Immunity</i> , 2019 , 87,	3.7	10
177	Effect of environmental salt concentration on the Helicobacter pylori exoproteome. <i>Journal of Proteomics</i> , 2019 , 202, 103374	3.9	7
176	Molecular Architecture of the Helicobacter pylori Cag Type IV Secretion System. <i>MBio</i> , 2019 , 10,	7.8	31
175	VacA Targets Myeloid Cells in the Gastric Lamina Propria To Promote Peripherally Induced Regulatory T-Cell Differentiation and Persistent Infection. <i>MBio</i> , 2019 , 10,	7.8	28
174	Cryo-EM Analysis Reveals Structural Basis of Helicobacter pylori VacA Toxin Oligomerization. <i>Journal of Molecular Biology</i> , 2019 , 431, 1956-1965	6.5	11
173	Structural Analysis of Helicobacter pylori VacA Reveals Insights into Oligomerization. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1290-1291	0.5	
172	Structure of the Cag type IV secretion system. <i>ELife</i> , 2019 , 8,	8.9	38
171	Carcinogenic Strains Selectively Dysregulate the Gastric Proteome, Which May Be Associated with Stomach Cancer Progression. <i>Molecular and Cellular Proteomics</i> , 2019 , 18, 352-371	7.6	10
170	Transmaternal Helicobacter pylori exposure reduces allergic airway inflammation in offspring through regulatory T cells. <i>Journal of Allergy and Clinical Immunology</i> , 2019 , 143, 1496-1512.e11	11.5	24
169	Role of a Stem-Loop Structure in Transcript Stability. <i>Infection and Immunity</i> , 2019 , 87,	3.7	4
168	Serologic Response to Helicobacter pylori Proteins Associated With Risk of Colorectal Cancer Among Diverse Populations in the United States. <i>Gastroenterology</i> , 2019 , 156, 175-186.e2	13.3	60
167	Determinants of Raft Partitioning of the Helicobacter pylori Pore-Forming Toxin VacA. <i>Infection and Immunity</i> , 2018 , 86,	3.7	10
166	Pan-genomic analyses identify key pathogenic loci modified by carcinogenic host microenvironments. <i>Gut</i> , 2018 , 67, 1793-1804	19.2	15
165	Antibody Responses to Subspecies Proteins in a Large Prospective Colorectal Cancer Cohort Consortium. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018 , 27, 1186-1194	4	16
164	genetic diversification in the Mongolian gerbil model. <i>PeerJ</i> , 2018 , 6, e4803	3.1	3
163	High-Salt Conditions Alter Transcription of Helicobacter pylori Genes Encoding Outer Membrane Proteins. <i>Infection and Immunity</i> , 2018 , 86,	3.7	15
162	Characterizing the Intracellular Trafficking of Helicobacter pylori VacA. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1362-1363	0.5	
161	Genetic signatures for Helicobacter pylori strains of West African origin. <i>PLoS ONE</i> , 2017 , 12, e0188804	3.7	1

160	Magnetic Extraction of <i>Acinetobacter baumannii</i> Using Colistin-Functionalized γ -Fe ₂ O ₃ /Au Core/Shell Composite Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26719-26730	9.5	7
159	Oxidative Phosphorylation System in Gastric Carcinomas and Gastritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 1320241	6.7	11
158	<i>Helicobacter pylori</i> Vacuolating Toxin and Gastric Cancer. <i>Toxins</i> , 2017 , 9,	4.9	62
157	Growth phase-dependent composition of the <i>Helicobacter pylori</i> exoproteome. <i>Journal of Proteomics</i> , 2016 , 130, 94-107	3.9	18
156	Dietary Composition Influences Incidence of <i>Helicobacter pylori</i> -Induced Iron Deficiency Anemia and Gastric Ulceration. <i>Infection and Immunity</i> , 2016 , 84, 3338-3349	3.7	13
155	Epithelial Coculture and l-Lactate Promote Growth of <i>Helicobacter cinaedi</i> under H ₂ -Free Aerobic Conditions. <i>Applied and Environmental Microbiology</i> , 2016 , 82, 6701-6714	4.8	1
154	<i>Helicobacter pylori</i> Diversity and Gastric Cancer Risk. <i>MBio</i> , 2016 , 7, e01869-15	7.8	118
153	Molecular and Structural Analysis of the <i>Helicobacter pylori</i> cag Type IV Secretion System Core Complex. <i>MBio</i> , 2016 , 7, e02001-15	7.8	86
152	Dynamic Computational Model of Symptomatic Bacteremia to Inform Bacterial Separation Treatment Requirements. <i>PLoS ONE</i> , 2016 , 11, e0163167	3.7	5
151	An Overview of <i>Helicobacter pylori</i> VacA Toxin Biology. <i>Toxins</i> , 2016 , 8,	4.9	92
150	Structural organization of membrane-inserted hexamers formed by <i>Helicobacter pylori</i> VacA toxin. <i>Molecular Microbiology</i> , 2016 , 102, 22-36	4.1	12
149	Colistin-Functionalized Nanoparticles for the Rapid Capture of <i>Acinetobacter baumannii</i> . <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 1806-19	4	9
148	<i>Helicobacter pylori</i> Vacuolating Toxin 2016 , 113-141		1
147	Peptidomimetic Small Molecules Disrupt Type IV Secretion System Activity in Diverse Bacterial Pathogens. <i>MBio</i> , 2016 , 7, e00221-16	7.8	28
146	A Nonoligomerizing Mutant Form of <i>Helicobacter pylori</i> VacA Allows Structural Analysis of the p33 Domain. <i>Infection and Immunity</i> , 2016 , 84, 2662-70	3.7	14
145	<i>Helicobacter pylori</i> adaptation in vivo in response to a high-salt diet. <i>Infection and Immunity</i> , 2015 , 83, 4871-83	3.7	13
144	Determining a Sub-nanometer Resolution Structure of a <i>Helicobacter pylori</i> VacA Toxin Oligomer. <i>Microscopy and Microanalysis</i> , 2015 , 21, 55-56	0.5	
143	Supporting data for analysis of the <i>Helicobacter pylori</i> exoproteome. <i>Data in Brief</i> , 2015 , 5, 560-3	1.2	1

142	Alteration of the <i>Helicobacter pylori</i> membrane proteome in response to changes in environmental salt concentration. <i>Proteomics - Clinical Applications</i> , 2015 , 9, 1021-34	3.1	26
141	Regulation of <i>Helicobacter pylori</i> Virulence Within the Context of Iron Deficiency. <i>Journal of Infectious Diseases</i> , 2015 , 211, 1790-4	7	21
140	Biotinylation and Purification of Surface-exposed Proteins. <i>Bio-protocol</i> , 2015 , 5, e1455	0.9	3
139	<i>Helicobacter pylori</i> and Other Gastric <i>Helicobacter</i> Species 2015 , 2494-2502.e4		2
138	Role of connexin 43 in <i>Helicobacter pylori</i> VacA-induced cell death. <i>Infection and Immunity</i> , 2014 , 82, 423-32	3.7	31
137	Human and <i>Helicobacter pylori</i> coevolution shapes the risk of gastric disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 1455-60	11.5	158
136	Effective treatment of allergic airway inflammation with <i>Helicobacter pylori</i> immunomodulators requires BATF3-dependent dendritic cells and IL-10. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 11810-5	11.5	91
135	Analysis of surface-exposed outer membrane proteins in <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2014 , 196, 2455-71	3.5	50
134	Genes required for assembly of pili associated with the <i>Helicobacter pylori</i> cag type IV secretion system. <i>Infection and Immunity</i> , 2014 , 82, 3457-70	3.7	57
133	The host protein calprotectin modulates the <i>Helicobacter pylori</i> cag type IV secretion system via zinc sequestration. <i>PLoS Pathogens</i> , 2014 , 10, e1004450	7.6	65
132	Downregulated Th17 responses are associated with reduced gastritis in <i>Helicobacter pylori</i> -infected children. <i>Mucosal Immunology</i> , 2013 , 6, 950-959	9.2	73
131	Control of gene expression in <i>Helicobacter pylori</i> using the Tet repressor. <i>Journal of Microbiological Methods</i> , 2013 , 95, 336-41	2.8	7
130	Structural analysis of the oligomeric states of <i>Helicobacter pylori</i> VacA toxin. <i>Journal of Molecular Biology</i> , 2013 , 425, 524-35	6.5	36
129	Genome Sequences of Three hpAfrica2 Strains of <i>Helicobacter pylori</i> . <i>Genome Announcements</i> , 2013 , 1,		11
128	Flagellar localization of a <i>Helicobacter pylori</i> autotransporter protein. <i>MBio</i> , 2013 , 4, e00613-12	7.8	21
127	Functional plasticity in the type IV secretion system of <i>Helicobacter pylori</i> . <i>PLoS Pathogens</i> , 2013 , 9, e1003189	10.31	107
126	High dietary salt intake exacerbates <i>Helicobacter pylori</i> -induced gastric carcinogenesis. <i>Infection and Immunity</i> , 2013 , 81, 2258-67	3.7	125
125	Diet, microbial virulence, and <i>Helicobacter pylori</i> -induced gastric cancer. <i>Gut Microbes</i> , 2013 , 4, 482-93	8.8	77

124	Impaired autophagy, defective T cell homeostasis, and a wasting syndrome in mice with a T cell-specific deletion of Vps34. <i>Journal of Immunology</i> , 2013 , 190, 5086-101	5.3	108
123	Comparative genomic analysis of East Asian and non-Asian <i>Helicobacter pylori</i> strains identifies rapidly evolving genes. <i>PLoS ONE</i> , 2013 , 8, e55120	3.7	23
122	Iron deficiency accelerates <i>Helicobacter pylori</i> -induced carcinogenesis in rodents and humans. <i>Journal of Clinical Investigation</i> , 2013 , 123, 479-92	15.9	126
121	Role of <i>Helicobacter pylori</i> CagL in modulating gastrin expression. <i>Gut</i> , 2012 , 61, 965-6	19.2	9
120	Perspectives on methodology for in vitro culture of <i>Helicobacter pylori</i> . <i>Methods in Molecular Biology</i> , 2012 , 921, 11-5	1.4	7
119	Alterations in <i>Helicobacter pylori</i> triggered by contact with gastric epithelial cells. <i>Frontiers in Cellular and Infection Microbiology</i> , 2012 , 2, 17	5.9	18
118	Non-invasive genotyping of <i>Helicobacter pylori</i> cagA, vacA, and hopQ from asymptomatic children. <i>Helicobacter</i> , 2012 , 17, 96-106	4.9	33
117	The intermediate region of <i>Helicobacter pylori</i> VacA is a determinant of toxin potency in a Jurkat T cell assay. <i>Infection and Immunity</i> , 2012 , 80, 2578-88	3.7	30
116	J-Western forms of <i>Helicobacter pylori</i> cagA constitute a distinct phylogenetic group with a widespread geographic distribution. <i>Journal of Bacteriology</i> , 2012 , 194, 1593-604	3.5	18
115	Analysis of <i>Helicobacter pylori</i> cagA promoter elements required for salt-induced upregulation of CagA expression. <i>Infection and Immunity</i> , 2012 , 80, 3094-106	3.7	44
114	An RGD helper sequence in CagL of <i>Helicobacter pylori</i> assists in interactions with integrins and injection of CagA. <i>Frontiers in Cellular and Infection Microbiology</i> , 2012 , 2, 70	5.9	68
113	E-catenin and p120 mediate PPAR α -dependent proliferation induced by <i>Helicobacter pylori</i> in human and rodent epithelia. <i>Gastroenterology</i> , 2011 , 141, 553-64	13.3	53
112	Phylogeographic origin of <i>Helicobacter pylori</i> is a determinant of gastric cancer risk. <i>Gut</i> , 2011 , 60, 1189-95	9.2	110
111	Analysis of cagA in <i>Helicobacter pylori</i> strains from Colombian populations with contrasting gastric cancer risk reveals a biomarker for disease severity. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2011 , 20, 2237-49	4	39
110	<i>Helicobacter pylori</i> VacA induces programmed necrosis in gastric epithelial cells. <i>Infection and Immunity</i> , 2011 , 79, 2535-43	3.7	78
109	<i>Helicobacter pylori</i> exploits a unique repertoire of type IV secretion system components for pilus assembly at the bacteria-host cell interface. <i>PLoS Pathogens</i> , 2011 , 7, e1002237	7.6	128
108	Colon-specific delivery of a probiotic-derived soluble protein ameliorates intestinal inflammation in mice through an EGFR-dependent mechanism. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2242-53	15.9	231
107	Molecular evolution of the <i>Helicobacter pylori</i> vacuolating toxin gene vacA. <i>Journal of Bacteriology</i> , 2010 , 192, 6126-35	3.5	43

106	Analysis of a beta-helical region in the p55 domain of <i>Helicobacter pylori</i> vacuolating toxin. <i>BMC Microbiology</i> , 2010 , 10, 60	4.5	18
105	Reconstitution of <i>Helicobacter pylori</i> VacA toxin from purified components. <i>Biochemistry</i> , 2010 , 49, 5743-52	3.5	33
104	Analysis of protein expression regulated by the <i>Helicobacter pylori</i> ArsRS two-component signal transduction system. <i>Journal of Bacteriology</i> , 2010 , 192, 2034-43	3.5	32
103	In <i>Helicobacter pylori</i> auto-inducer-2, but not LuxS/MccAB catalysed reverse transsulphuration, regulates motility through modulation of flagellar gene transcription. <i>BMC Microbiology</i> , 2010 , 10, 210	4.5	30
102	Structural analysis of the DNA-binding domain of the <i>Helicobacter pylori</i> response regulator ArsR. <i>Journal of Biological Chemistry</i> , 2009 , 284, 6536-45	5.4	12
101	Regulation of gastric B cell recruitment is dependent on IL-17 receptor A signaling in a model of chronic bacterial infection. <i>Journal of Immunology</i> , 2009 , 183, 5837-46	5.3	52
100	Genome sequence analysis of <i>Helicobacter pylori</i> strains associated with gastric ulceration and gastric cancer. <i>BMC Genomics</i> , 2009 , 10, 3	4.5	86
99	Epidermal growth factor receptor activation protects gastric epithelial cells from <i>Helicobacter pylori</i> -induced apoptosis. <i>Gastroenterology</i> , 2009 , 136, 1297-1307, e1-3	13.3	83
98	<i>Helicobacter pylori</i> in health and disease. <i>Gastroenterology</i> , 2009 , 136, 1863-73	13.3	462
97	Beta2 integrin mediates entry of a bacterial toxin into T lymphocytes. <i>Cell Host and Microbe</i> , 2008 , 3, 5-6	23.4	1
96	<i>Helicobacter pylori</i> VacA disrupts apical membrane-cytoskeletal interactions in gastric parietal cells. <i>Journal of Biological Chemistry</i> , 2008 , 283, 26714-25	5.4	51
95	<i>Helicobacter pylori</i> VacA subdomain required for intracellular toxin activity and assembly of functional oligomeric complexes. <i>Infection and Immunity</i> , 2008 , 76, 2843-51	3.7	32
94	<i>Helicobacter pylori</i> HopQ outer membrane protein attenuates bacterial adherence to gastric epithelial cells. <i>FEMS Microbiology Letters</i> , 2008 , 289, 53-8	2.9	34
93	<i>Helicobacter pylori</i> and mitogen-activated protein kinases mediate activator protein-1 (AP-1) subcomponent protein expression and DNA-binding activity in gastric epithelial cells. <i>FEMS Immunology and Medical Microbiology</i> , 2008 , 53, 385-94		16
92	Host response to <i>Helicobacter pylori</i> infection before initiation of the adaptive immune response. <i>FEMS Immunology and Medical Microbiology</i> , 2007 , 51, 577-86		91
91	Soluble proteins produced by probiotic bacteria regulate intestinal epithelial cell survival and growth. <i>Gastroenterology</i> , 2007 , 132, 562-75	13.3	567
90	Crystal structure of the <i>Helicobacter pylori</i> vacuolating toxin p55 domain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 16293-8	11.5	124
89	Serological assays for identification of human gastric colonization by <i>Helicobacter pylori</i> strains expressing VacA m1 or m2. <i>Vaccine Journal</i> , 2007 , 14, 442-50		9

88	Helicobacter pylori vacuolating cytotoxin inhibits activation-induced proliferation of human T and B lymphocyte subsets. <i>Journal of Immunology</i> , 2007 , 179, 5433-40	5.3	89
87	Regulation of Helicobacter pylori cagA expression in response to salt. <i>Cancer Research</i> , 2007 , 67, 4709-15	5.1	108
86	L-arginine availability regulates inducible nitric oxide synthase-dependent host defense against Helicobacter pylori. <i>Infection and Immunity</i> , 2007 , 75, 4305-15	3.7	85
85	Functional analysis of neutralizing antibodies against Clostridium perfringens epsilon-toxin. <i>Infection and Immunity</i> , 2007 , 75, 1785-93	3.7	34
84	Resistance of primary murine CD4+ T cells to Helicobacter pylori vacuolating cytotoxin. <i>Infection and Immunity</i> , 2007 , 75, 334-41	3.7	27
83	Random mutagenesis of Helicobacter pylori vacA to identify amino acids essential for vacuolating cytotoxic activity. <i>Infection and Immunity</i> , 2006 , 74, 6188-95	3.7	9
82	Requirement of histidine kinases HP0165 and HP1364 for acid resistance in Helicobacter pylori. <i>Infection and Immunity</i> , 2006 , 74, 3052-9	3.7	35
81	Multiple chromosomal loci for the babA gene in Helicobacter pylori. <i>Infection and Immunity</i> , 2006 , 74, 3046-51	3.7	41
80	Mapping of a domain required for protein-protein interactions and inhibitory activity of a Helicobacter pylori dominant-negative VacA mutant protein. <i>Infection and Immunity</i> , 2006 , 74, 2093-101	3.7	12
79	Quantitative effect of luxS gene inactivation on the fitness of Helicobacter pylori. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 6615-22	4.8	21
78	Helicobacter pylori persistence: an overview of interactions between H. pylori and host immune defenses. <i>Clinical Microbiology Reviews</i> , 2006 , 19, 597-613	34	171
77	Helicobacter pylori VacA toxin inhibits human immunodeficiency virus infection of primary human T cells. <i>Journal of Virology</i> , 2006 , 80, 11767-75	6.6	16
76	Protein-protein interactions among Helicobacter pylori cag proteins. <i>Journal of Bacteriology</i> , 2006 , 188, 4787-800	3.5	58
75	Helicobacter pylori vacuolating toxin 2006 , 468-490		2
74	High resolution structural analysis of Helicobacter pylori VacA toxin oligomers by cryo-negative staining electron microscopy. <i>Journal of Structural Biology</i> , 2005 , 151, 215-28	3.4	41
73	Mimicry of a host anion channel by a Helicobacter pylori pore-forming toxin. <i>Biophysical Journal</i> , 2005 , 89, 3093-101	2.9	12
72	Analysis of hopQ alleles in East Asian and Western strains of Helicobacter pylori. <i>FEMS Microbiology Letters</i> , 2005 , 251, 37-43	2.9	33
71	Helicobacter pylori VacA, a paradigm for toxin multifunctionality. <i>Nature Reviews Microbiology</i> , 2005 , 3, 320-32	22.2	403

70	The oxysterol-binding protein homologue ORP1L interacts with Rab7 and alters functional properties of late endocytic compartments. <i>Molecular Biology of the Cell</i> , 2005 , 16, 5480-92	3.5	171
69	Functional properties of the p33 and p55 domains of the Helicobacter pylori vacuolating cytotoxin. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21107-14	5.4	58
68	Genomic Comparison of cag pathogenicity island (PAI)-positive and -negative Helicobacter pylori strains: identification of novel markers for cag PAI-positive strains. <i>Infection and Immunity</i> , 2005 , 73, 3794-8	2.7	9
67	Inhibition of primary human T cell proliferation by Helicobacter pylori vacuolating toxin (VacA) is independent of VacA effects on IL-2 secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 7727-32	11.5	204
66	Interactions between p-33 and p-55 domains of the Helicobacter pylori vacuolating cytotoxin (VacA). <i>Journal of Biological Chemistry</i> , 2004 , 279, 2324-31	5.4	42
65	Heterogeneity among Helicobacter pylori strains in expression of the outer membrane protein BabA. <i>Infection and Immunity</i> , 2004 , 72, 3429-35	3.7	61
64	Growth phase regulation of flaA expression in Helicobacter pylori is luxS dependent. <i>Infection and Immunity</i> , 2004 , 72, 5506-10	3.7	33
63	Clustering and redistribution of late endocytic compartments in response to Helicobacter pylori vacuolating toxin. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1946-59	3.5	59
62	Targeting of Helicobacter pylori vacuolating toxin to lipid raft membrane domains analysed by atomic force microscopy. <i>Biochemical Journal</i> , 2004 , 381, 911-7	3.8	41
61	Expression of Helicobacter pylori vacuolating toxin in Escherichia coli. <i>Infection and Immunity</i> , 2003 , 71, 2266-71	3.7	16
60	Effects of Helicobacter pylori on intracellular Ca ²⁺ signaling in normal human gastric mucous epithelial cells. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 285, G163-76	5.1	26
59	Characterization of the MHC class I cross-presentation pathway for cell-associated antigens by human dendritic cells. <i>Blood</i> , 2003 , 102, 4448-55	2.2	104
58	Recovery from lactacidosis-induced glial cell swelling with the aid of exogenous anion channels. <i>Glia</i> , 2003 , 41, 247-59	9	27
57	Promoter analysis of Helicobacter pylori genes with enhanced expression at low pH. <i>Molecular Microbiology</i> , 2003 , 48, 1225-39	4.1	31
56	Essential role of a GXXXG motif for membrane channel formation by Helicobacter pylori vacuolating toxin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12101-8	5.4	128
55	Cellular vacuolation and mitochondrial cytochrome c release are independent outcomes of Helicobacter pylori vacuolating cytotoxin activity that are each dependent on membrane channel formation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 48204-9	5.4	83
54	Induction of gastric epithelial cell apoptosis by Helicobacter pylori vacuolating cytotoxin. <i>Cancer Research</i> , 2003 , 63, 951-7	10.1	200
53	Molecular analysis of sarcoidosis tissues for mycobacterium species DNA. <i>Emerging Infectious Diseases</i> , 2002 , 8, 1334-41	10.2	100

52	PIKfyve Kinase and SKD1 AAA ATPase define distinct endocytic compartments. Only PIKfyve expression inhibits the cell-vacuolating activity of <i>Helicobacter pylori</i> VacA toxin. <i>Journal of Biological Chemistry</i> , 2002 , 277, 46785-90	5.4	28
51	Association of <i>Helicobacter pylori</i> vacuolating toxin (VacA) with lipid rafts. <i>Journal of Biological Chemistry</i> , 2002 , 277, 34642-50	5.4	119
50	Genome-wide transcriptional profiling in a histidine kinase mutant of <i>Helicobacter pylori</i> identifies members of a regulon. <i>Journal of Bacteriology</i> , 2002 , 184, 4630-5	3.5	44
49	Two different families of hopQ alleles in <i>Helicobacter pylori</i> . <i>Journal of Clinical Microbiology</i> , 2002 , 40, 4504-11	9.7	64
48	Global analysis of <i>Helicobacter pylori</i> gene expression in human gastric mucosa. <i>Gastroenterology</i> , 2002 , 123, 1637-48	13.3	59
47	Multiple oligomeric states of the <i>Helicobacter pylori</i> vacuolating toxin demonstrated by cryo-electron microscopy. <i>Journal of Molecular Biology</i> , 2002 , 318, 121-33	6.5	45
46	Carboxy-terminal proteolytic processing of <i>Helicobacter pylori</i> vacuolating toxin. <i>Infection and Immunity</i> , 2001 , 69, 543-6	3.7	65
45	Amino-terminal hydrophobic region of <i>Helicobacter pylori</i> vacuolating cytotoxin (VacA) mediates transmembrane protein dimerization. <i>Infection and Immunity</i> , 2001 , 69, 1181-4	3.7	51
44	Antigenic diversity among <i>Helicobacter pylori</i> vacuolating toxins. <i>Infection and Immunity</i> , 2001 , 69, 4329-36	3.7	15
43	<i>H. pylori</i> Pathogenesis 2001 , 509-558		31
42	A 12-amino-acid segment, present in type s2 but not type s1 <i>Helicobacter pylori</i> VacA proteins, abolishes cytotoxin activity and alters membrane channel formation. <i>Journal of Bacteriology</i> , 2001 , 183, 6499-508	3.5	94
41	<i>Helicobacter pylori</i> genotypes, host factors, and gastric mucosal histopathology in peptic ulcer disease. <i>Human Pathology</i> , 2001 , 32, 264-73	3.7	34
40	In search of the <i>Helicobacter pylori</i> VacA mechanism of action. <i>Toxicon</i> , 2001 , 39, 1757-67	2.8	78
39	Acid activation of <i>Helicobacter pylori</i> vacuolating cytotoxin (VacA) results in toxin internalization by eukaryotic cells. <i>Molecular Microbiology</i> , 2000 , 37, 433-42	4.1	83
38	Cell vacuolation induced by the VacA cytotoxin of <i>Helicobacter pylori</i> is regulated by the Rac1 GTPase. <i>Journal of Biological Chemistry</i> , 2000 , 275, 14009-12	5.4	55
37	Intercellular communication in <i>Helicobacter pylori</i> : luxS is essential for the production of an extracellular signaling molecule. <i>Infection and Immunity</i> , 2000 , 68, 3193-9	3.7	75
36	The vacuolating toxin from <i>Helicobacter pylori</i> forms hexameric pores in lipid bilayers at low pH. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 2001-6	11.5	181
35	A dominant negative mutant of <i>Helicobacter pylori</i> vacuolating toxin (VacA) inhibits VacA-induced cell vacuolation. <i>Journal of Biological Chemistry</i> , 1999 , 274, 37736-42	5.4	113

34	Vacuolating cytotoxin (vacA) alleles of <i>Helicobacter pylori</i> comprise two geographically widespread types, m1 and m2, and have evolved through limited recombination. <i>Current Microbiology</i> , 1999 , 39, 211-84	3.4	46
33	Release of <i>Helicobacter pylori</i> vacuolating cytotoxin by both a specific secretion pathway and budding of outer membrane vesicles. Uptake of released toxin and vesicles by gastric epithelium. <i>Journal of Pathology</i> , 1999 , 188, 220-6	9.4	204
32	VacA from <i>Helicobacter pylori</i> : a hexameric chloride channel. <i>FEBS Letters</i> , 1999 , 450, 101-4	3.8	108
31	<i>Helicobacter pylori</i> vacuolating cytotoxin (VacA) disorganizes the cytoskeletal architecture of gastric epithelial cells. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 262, 245-50	3.4	43
30	Detection of anti-VacA antibody responses in serum and gastric juice samples using type s1/m1 and s2/m2 <i>Helicobacter pylori</i> VacA antigens. <i>Vaccine Journal</i> , 1999 , 6, 489-93		23
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27	Acid-induced expression of an LPS-associated gene in <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 1998 , 30, 19-31	4.1	77
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25	The m2 form of the <i>Helicobacter pylori</i> cytotoxin has cell type-specific vacuolating activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1998 , 95, 10212-7	11.5	160
24	Extracellular release of antigenic proteins by <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 1998 , 66, 2984-67	6.7	78
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