

Timothy L Cover

List of Publications by Citations

Source: <https://exaly.com/author-pdf/1678432/timothy-l-cover-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Mosaicism in vacuolating cytotoxin alleles of <i>Helicobacter pylori</i> . Association of specific vacA types with cytotoxin production and peptic ulceration. <i>Journal of Biological Chemistry</i> , 1995 , 270, 17771-7	5.4	1139
194	Soluble proteins produced by probiotic bacteria regulate intestinal epithelial cell survival and growth. <i>Gastroenterology</i> , 2007 , 132, 562-75	13.3	567
193	<i>Yersinia enterocolitica</i> . <i>New England Journal of Medicine</i> , 1989 , 321, 16-24	59.2	532
192	Clinical and pathological importance of heterogeneity in vacA, the vacuolating cytotoxin gene of <i>Helicobacter pylori</i> . <i>Gastroenterology</i> , 1997 , 112, 92-9	13.3	520
191	<i>Helicobacter pylori</i> in health and disease. <i>Gastroenterology</i> , 2009 , 136, 1863-73	13.3	462
190	<i>Helicobacter pylori</i> VacA, a paradigm for toxin multifunctionality. <i>Nature Reviews Microbiology</i> , 2005 , 3, 320-32	22.2	403
189	The vacuolating cytotoxin of <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 1996 , 20, 241-6	4.1	243
188	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
187	Inhibition of primary human T cell proliferation by <i>Helicobacter pylori</i> 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
186	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
185	Induction of gastric epithelial cell apoptosis by <i>Helicobacter pylori</i> vacuolating cytotoxin. <i>Cancer Research</i> , 2003 , 63, 951-7	10.1	200
184	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
183	<i>Helicobacter pylori</i> and gastric acid: biological and therapeutic implications. <i>Gastroenterology</i> , 1996 , 110, 926-38	13.3	178
182	Acid-induced dissociation of VacA, the <i>Helicobacter pylori</i> vacuolating cytotoxin, reveals its pattern of assembly. <i>Journal of Cell Biology</i> , 1997 , 138, 759-69	7.3	177
181	<i>Helicobacter pylori</i> persistence: an overview of interactions between <i>H. pylori</i> and host immune defenses. <i>Clinical Microbiology Reviews</i> , 2006 , 19, 597-613	34	171
180	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
179	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

178	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
177	Density of <i>Helicobacter pylori</i> infection in vivo as assessed by quantitative culture and histology. <i>Journal of Infectious Diseases</i> , 1996 , 174, 552-6	7	154
176	<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
175	Essential role of a GXXXG motif for membrane channel formation by <i>Helicobacter pylori</i> vacuolating toxin. <i>Journal of Biological Chemistry</i> , 2003 , 278, 12101-8	5.4	128
174	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
173	High dietary salt intake exacerbates <i>Helicobacter pylori</i> -induced gastric carcinogenesis. <i>Infection and Immunity</i> , 2013 , 81, 2258-67	3.7	125
172	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
171	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
170	<i>Helicobacter pylori</i> Diversity and Gastric Cancer Risk. <i>MBio</i> , 2016 , 7, e01869-15	7.8	118
169	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
168	Phylogeographic origin of <i>Helicobacter pylori</i> is a determinant of gastric cancer risk. <i>Gut</i> , 2011 , 60, 1189-92	9.5	110
167	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
166	Regulation of <i>Helicobacter pylori</i> cagA expression in response to salt. <i>Cancer Research</i> , 2007 , 67, 4709-15	10.1	108
165	VacA from <i>Helicobacter pylori</i> : a hexameric chloride channel. <i>FEBS Letters</i> , 1999 , 450, 101-4	3.8	108
164	Functional plasticity in the type IV secretion system of <i>Helicobacter pylori</i> . <i>PLoS Pathogens</i> , 2013 , 9, e1003189	7.3	107
163	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
162	Molecular analysis of sarcoidosis tissues for mycobacterium species DNA. <i>Emerging Infectious Diseases</i> , 2002 , 8, 1334-41	10.2	100
161	Potentiation of <i>Helicobacter pylori</i> vacuolating toxin activity by nicotine and other weak bases. <i>Journal of Infectious Diseases</i> , 1992 , 166, 1073-8	7	97

160	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
159	An Overview of <i>Helicobacter pylori</i> VacA Toxin Biology. <i>Toxins</i> , 2016 , 8,	4.9	92
158	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
157	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
156	<i>Helicobacter pylori</i> 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
155	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
154	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
153	L-arginine availability regulates inducible nitric oxide synthase-dependent host defense against <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 2007 , 75, 4305-15	3.7	85
152	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
151	Cellular vacuolation and mitochondrial cytochrome c release are independent outcomes of <i>Helicobacter pylori</i> vacuolating cytotoxin activity that are each dependent on membrane channel formation. <i>Journal of Biological Chemistry</i> , 2003 , 278, 48204-9	5.4	83
150	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
149	<i>Helicobacter pylori</i> VacA induces programmed necrosis in gastric epithelial cells. <i>Infection and Immunity</i> , 2011 , 79, 2535-43	3.7	78
148	In search of the <i>Helicobacter pylori</i> VacA mechanism of action. <i>Toxicon</i> , 2001 , 39, 1757-67	2.8	78
147	Extracellular release of antigenic proteins by <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 1998 , 66, 2984-9	5.7	78
146	Diet, microbial virulence, and <i>Helicobacter pylori</i> -induced gastric cancer. <i>Gut Microbes</i> , 2013 , 4, 482-93	8.8	77
145	Acid-induced expression of an LPS-associated gene in <i>Helicobacter pylori</i> . <i>Molecular Microbiology</i> , 1998 , 30, 19-31	4.1	77
144	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
143	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

142	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
141	<i>Helicobacter pylori</i> upregulates expression of epidermal growth factor-related peptides, but inhibits their proliferative effect in MKN 28 gastric mucosal cells. <i>Journal of Clinical Investigation</i> , 1998 , 101, 1604-13	15.9	67
140	<i>Helicobacter pylori</i> infection in Japanese patients with adenocarcinoma of the stomach. <i>International Journal of Cancer</i> , 1993 , 55, 799-802	7.5	66
139	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
138	Carboxy-terminal proteolytic processing of <i>Helicobacter pylori</i> vacuolating toxin. <i>Infection and Immunity</i> , 2001 , 69, 543-6	3.7	65
137	Two different families of hopQ alleles in <i>Helicobacter pylori</i> . <i>Journal of Clinical Microbiology</i> , 2002 , 40, 4504-11	9.7	64
136	Characterization of HeLa cell vacuoles induced by <i>Helicobacter pylori</i> broth culture supernatant. <i>Human Pathology</i> , 1992 , 23, 1004-10	3.7	64
135	<i>Helicobacter pylori</i> Vacuolating Toxin and Gastric Cancer. <i>Toxins</i> , 2017 , 9,	4.9	62
134	Heterogeneity among <i>Helicobacter pylori</i> strains in expression of the outer membrane protein BabA. <i>Infection and Immunity</i> , 2004 , 72, 3429-35	3.7	61
133	Serum neutralizing antibody response to the vacuolating cytotoxin of <i>Helicobacter pylori</i> . <i>Journal of Clinical Investigation</i> , 1992 , 90, 913-8	15.9	60
132	Serologic Response to <i>Helicobacter pylori</i> 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
131	Clustering and redistribution of late endocytic compartments in response to <i>Helicobacter pylori</i> vacuolating toxin. <i>Molecular Biology of the Cell</i> , 2004 , 15, 1946-59	3.5	59
130	Global analysis of <i>Helicobacter pylori</i> gene expression in human gastric mucosa. <i>Gastroenterology</i> , 2002 , 123, 1637-48	13.3	59
129	Protein-protein interactions among <i>Helicobacter pylori</i> cag proteins. <i>Journal of Bacteriology</i> , 2006 , 188, 4787-800	3.5	58
128	Functional properties of the p33 and p55 domains of the <i>Helicobacter pylori</i> vacuolating cytotoxin. <i>Journal of Biological Chemistry</i> , 2005 , 280, 21107-14	5.4	58
127	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
126	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
125	The proton pump inhibitor omeprazole inhibits acid survival of <i>Helicobacter pylori</i> by a urease-independent mechanism. <i>Gastroenterology</i> , 1994 , 107, 738-43	13.3	55

124	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
123	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
122	The pathobiology of <i>Campylobacter</i> infections in humans. <i>Annual Review of Medicine</i> , 1989 , 40, 269-85	17.4	52
121	<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
120	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
119	Analysis of surface-exposed outer membrane proteins in <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 2014 , 196, 2455-71	3.5	50
118	The proton pump inhibitor omeprazole inhibits acid survival of <i>Helicobacter pylori</i> by a urease-independent mechanism. <i>Gastroenterology</i> , 1994 , 107, 1573-8	13.3	48
117	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, 211-8	3.4	46
116	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
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	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
113	Molecular evolution of the <i>Helicobacter pylori</i> vacuolating toxin gene vacA. <i>Journal of Bacteriology</i> , 2010 , 192, 6126-35	3.5	43
112	<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
111	Interactions between p-33 and p-55 domains of the <i>Helicobacter pylori</i> vacuolating cytotoxin (VacA). <i>Journal of Biological Chemistry</i> , 2004 , 279, 2324-31	5.4	42
110	Multiple chromosomal loci for the babA gene in <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 2006 , 74, 3046-51	3.7	41
109	High resolution structural analysis of <i>Helicobacter pylori</i> VacA toxin oligomers by cryo-negative staining electron microscopy. <i>Journal of Structural Biology</i> , 2005 , 151, 215-28	3.4	41
108	Targeting of <i>Helicobacter pylori</i> vacuolating toxin to lipid raft membrane domains analysed by atomic force microscopy. <i>Biochemical Journal</i> , 2004 , 381, 911-7	3.8	41
107	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

106	Analysis of genetic diversity in cytotoxin-producing and non-cytotoxin-producing <i>Helicobacter pylori</i> strains. <i>Journal of Infectious Diseases</i> , 1995 , 172, 290-3	7	39
105	Structure of the Cag type IV secretion system. <i>ELife</i> , 2019 , 8,	8.9	38
104	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
103	Effects of <i>Helicobacter pylori</i> vacuolating cytotoxin on primary cultures of human gastric epithelial cells. <i>Gut</i> , 1996 , 39, 795-9	19.2	36
102	Requirement of histidine kinases HP0165 and HP1364 for acid resistance in <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 2006 , 74, 3052-9	3.7	35
101	<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
100	Functional analysis of neutralizing antibodies against <i>Clostridium perfringens</i> epsilon-toxin. <i>Infection and Immunity</i> , 2007 , 75, 1785-93	3.7	34
99	<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
98	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
97	Reconstitution of <i>Helicobacter pylori</i> VacA toxin from purified components. <i>Biochemistry</i> , 2010 , 49, 5743-52	3.5	33
96	Growth phase regulation of flaA expression in <i>Helicobacter pylori</i> is luxS dependent. <i>Infection and Immunity</i> , 2004 , 72, 5506-10	3.7	33
95	Analysis of hopQ alleles in East Asian and Western strains of <i>Helicobacter pylori</i> . <i>FEMS Microbiology Letters</i> , 2005 , 251, 37-43	2.9	33
94	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
93	<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
92	Molecular Architecture of the <i>Helicobacter pylori</i> Cag Type IV Secretion System. <i>MBio</i> , 2019 , 10,	7.8	31
91	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
90	Promoter analysis of <i>Helicobacter pylori</i> genes with enhanced expression at low pH. <i>Molecular Microbiology</i> , 2003 , 48, 1225-39	4.1	31
89	H. pylori Pathogenesis 2001 , 509-558		31

88	Kinetics and mechanisms of extracellular protein release by <i>Helicobacter pylori</i> . <i>Infection and Immunity</i> , 1999 , 67, 5247-52	3.7	31
87	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
86	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
85	Mutational analysis of the vacA promoter provides insight into gene transcription in <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 1999 , 181, 2261-6	3.5	30
84	High-level genetic diversity in the vapD chromosomal region of <i>Helicobacter pylori</i> . <i>Journal of Bacteriology</i> , 1997 , 179, 2852-6	3.5	29
83	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
82	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
81	Peptidomimetic Small Molecules Disrupt Type IV Secretion System Activity in Diverse Bacterial Pathogens. <i>MBio</i> , 2016 , 7, e00221-16	7.8	28
80	Resistance of primary murine CD4+ T cells to <i>Helicobacter pylori</i> vacuolating cytotoxin. <i>Infection and Immunity</i> , 2007 , 75, 334-41	3.7	27
79	Recovery from lactacidosis-induced glial cell swelling with the aid of exogenous anion channels. <i>Glia</i> , 2003 , 41, 247-59	9	27
78	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
77	Effects of <i>Helicobacter pylori</i> 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
76	Transmaternal <i>Helicobacter pylori</i> 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
75	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
74	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
73	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
72	Flagellar localization of a <i>Helicobacter pylori</i> autotransporter protein. <i>MBio</i> , 2013 , 4, e00613-12	7.8	21
71	Quantitative effect of luxS gene inactivation on the fitness of <i>Helicobacter pylori</i> . <i>Applied and Environmental Microbiology</i> , 2006 , 72, 6615-22	4.8	21

70	Growth phase-dependent composition of the <i>Helicobacter pylori</i> exoproteome. <i>Journal of Proteomics</i> , 2016 , 130, 94-107	3.9	18
69	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
68	J-Western forms of <i>Helicobacter pylori</i> <i>cagA</i> constitute a distinct phylogenetic group with a widespread geographic distribution. <i>Journal of Bacteriology</i> , 2012 , 194, 1593-604	3.5	18
67	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
66	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
65	<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
64	<i>Helicobacter pylori</i> VacA toxin inhibits human immunodeficiency virus infection of primary human T cells. <i>Journal of Virology</i> , 2006 , 80, 11767-75	6.6	16
63	Expression of <i>Helicobacter pylori</i> vacuolating toxin in <i>Escherichia coli</i> . <i>Infection and Immunity</i> , 2003 , 71, 2266-71	3.7	16
62	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
61	The <i>Helicobacter pylori</i> Cag Type IV Secretion System. <i>Trends in Microbiology</i> , 2020 , 28, 682-695	12.4	15
60	Pan-genomic analyses identify key pathogenic loci modified by carcinogenic host microenvironments. <i>Gut</i> , 2018 , 67, 1793-1804	19.2	15
59	Antigenic diversity among <i>Helicobacter pylori</i> vacuolating toxins. <i>Infection and Immunity</i> , 2001 , 69, 4329-36	3.7	15
58	High-Salt Conditions Alter Transcription of <i>Helicobacter pylori</i> Genes Encoding Outer Membrane Proteins. <i>Infection and Immunity</i> , 2018 , 86,	3.7	15
57	An intracellular target for <i>Helicobacter pylori</i> vacuolating toxin. <i>Trends in Microbiology</i> , 1998 , 6, 127-8; discussion 128-9	12.4	14
56	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
55	<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
54	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
53	Vacuolating Cytotoxin97-110		13

52	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
51	Mapping of a domain required for protein-protein interactions and inhibitory activity of a <i>Helicobacter pylori</i> dominant-negative VacA mutant protein. <i>Infection and Immunity</i> , 2006 , 74, 2093-101	3.7	12
50	Mimicry of a host anion channel by a <i>Helicobacter pylori</i> pore-forming toxin. <i>Biophysical Journal</i> , 2005 , 89, 3093-101	2.9	12
49	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
48	Cryo-EM Analysis Reveals Structural Basis of <i>Helicobacter pylori</i> VacA Toxin Oligomerization. <i>Journal of Molecular Biology</i> , 2019 , 431, 1956-1965	6.5	11
47	Bacterial Energetic Requirements for <i>Helicobacter pylori</i> Cag Type IV Secretion System-Dependent Alterations in Gastric Epithelial Cells. <i>Infection and Immunity</i> , 2020 , 88,	3.7	11
46	Oxidative Phosphorylation System in Gastric Carcinomas and Gastritis. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 1320241	6.7	11
45	Genome Sequences of Three hpAfrica2 Strains of <i>Helicobacter pylori</i> . <i>Genome Announcements</i> , 2013 , 1,		11
44	Intracellular Degradation of <i>Helicobacter pylori</i> VacA Toxin as a Determinant of Gastric Epithelial Cell Viability. <i>Infection and Immunity</i> , 2019 , 87,	3.7	10
43	Determinants of Raft Partitioning of the <i>Helicobacter pylori</i> Pore-Forming Toxin VacA. <i>Infection and Immunity</i> , 2018 , 86,	3.7	10
42	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
41	Role of <i>Helicobacter pylori</i> CagL in modulating gastrin expression. <i>Gut</i> , 2012 , 61, 965-6	19.2	9
40	Commentary: <i>Helicobacter pylori</i> transmission, host factors, and bacterial factors. <i>Gastroenterology</i> , 1997 , 113, S29-30	13.3	9
39	Random mutagenesis of <i>Helicobacter pylori</i> vacA to identify amino acids essential for vacuolating cytotoxic activity. <i>Infection and Immunity</i> , 2006 , 74, 6188-95	3.7	9
38	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
37	Genomic Comparison of cag pathogenicity island (PAI)-positive and -negative <i>Helicobacter pylori</i> strains: identification of novel markers for cag PAI-positive strains. <i>Infection and Immunity</i> , 2005 , 73, 3794-8	3.7	9
36	Cryo-EM reveals species-specific components within the Cag type IV secretion system core complex. <i>ELife</i> , 2020 , 9,	8.9	9
35	Colistin-Functionalized Nanoparticles for the Rapid Capture of <i>Acinetobacter baumannii</i> . <i>Journal of Biomedical Nanotechnology</i> , 2016 , 12, 1806-19	4	9

34	Effect of environmental salt concentration on the Helicobacter pylori exoproteome. <i>Journal of Proteomics</i> , 2019 , 202, 103374	3.9	7
33	Lipoprotein Processing and Sorting in Helicobacter pylori. <i>MBio</i> , 2020 , 11,	7.8	7
32	Control of gene expression in Helicobacter pylori using the Tet repressor. <i>Journal of Microbiological Methods</i> , 2013 , 95, 336-41	2.8	7
31	Magnetic Extraction of Acinetobacter baumannii Using Colistin-Functionalized FeO/Au Core/Shell Composite Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26719-26730	9.5	7
30	Perspectives on methodology for in vitro culture of Helicobacter pylori. <i>Methods in Molecular Biology</i> , 2012 , 921, 11-5	1.4	7
29	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
28	Dynamic Computational Model of Symptomatic Bacteremia to Inform Bacterial Separation Treatment Requirements. <i>PLoS ONE</i> , 2016 , 11, e0163167	3.7	5
27	Pseudomonas paucimobilis empyema after cardiac transplantation. <i>Southern Medical Journal</i> , 1988 , 81, 796-8	0.6	4
26	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
25	Role of a Stem-Loop Structure in Transcript Stability. <i>Infection and Immunity</i> , 2019 , 87,	3.7	4
24	Biotinylation and Purification of Surface-exposed Proteins. <i>Bio-protocol</i> , 2015 , 5, e1455	0.9	3
23	genetic diversification in the Mongolian gerbil model. <i>PeerJ</i> , 2018 , 6, e4803	3.1	3
22	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
21	Functional Properties of Helicobacter pylori VacA Toxin m1 and m2 Variants. <i>Infection and Immunity</i> , 2020 , 88,	3.7	3
20	Loss of Corpus-Specific Lipids in Helicobacter pylori-Induced Atrophic Gastritis. <i>MSphere</i> , 2021 , e0082623		2
19	Helicobacter pylori vacuolating toxin 2006 , 468-490		2
18	Helicobacter pylori and Other Gastric Helicobacter Species 2015 , 2494-2502.e4		2
17	Association of Combined Sero-Positivity to and with Risk of Colorectal Cancer. <i>Microorganisms</i> , 2020 , 8,	4.9	2

16	Genetic signatures for <i>Helicobacter pylori</i> strains of West African origin. <i>PLoS ONE</i> , 2017 , 12, e0188804	3.7	1
15	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
14	Supporting data for analysis of the <i>Helicobacter pylori</i> exoproteome. <i>Data in Brief</i> , 2015 , 5, 560-3	1.2	1
13	Beta2 integrin mediates entry of a bacterial toxin into T lymphocytes. <i>Cell Host and Microbe</i> , 2008 , 3, 5-6	23.4	1
12	Evaluation of cytotoxic activity in fecal filtrates from patients with or enteritis. <i>FEMS Microbiology Letters</i> , 1990 , 70, 301-304	2.9	1
11	<i>Helicobacter pylori</i> -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
10	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
9	<i>Helicobacter pylori</i> Vacuolating Toxin 2016 , 113-141		1
8	Functional Properties of Oligomeric and Monomeric Forms of <i>Helicobacter pylori</i> VacA Toxin. <i>Infection and Immunity</i> , 2021 , 89, e0034821	3.7	0
7	Enhanced Fitness of a <i>Helicobacter pylori</i> Mutant in a Murine Model. <i>Infection and Immunity</i> , 2021 , 89, e0072520	3.7	0
6	Characterizing the Intracellular Trafficking of <i>Helicobacter pylori</i> VacA. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1362-1363	0.5	
5	Structural Analysis of <i>Helicobacter pylori</i> VacA Reveals Insights into Oligomerization. <i>Microscopy and Microanalysis</i> , 2019 , 25, 1290-1291	0.5	
4	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	
3	Over The Fence. <i>Helicobacter</i> , 1997 , 2, 107-110	4.9	
2	Tracking bacterial effector protein delivery into host cells. <i>Molecular Microbiology</i> , 2021 , 116, 724-728	4.1	
1	Inertial-based Fluidic Platform for Rapid Isolation of Blood-borne Pathogens. <i>Military Medicine</i> , 2021 , 186, 129-136	1.3	