

# Richard L Ferrero

## List of Publications by Citations

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91  
papers

5,921  
citations

36  
h-index

76  
g-index

95  
ext. papers

6,809  
ext. citations

6.8  
avg, IF

5.55  
L-index

#	Paper	IF	Citations
91	Nod1 responds to peptidoglycan delivered by the <i>Helicobacter pylori</i> cag pathogenicity island. <i>Nature Immunology</i> , <b>2004</b> , 5, 1166-74	19.1	982
90	Nod-like proteins in immunity, inflammation and disease. <i>Nature Immunology</i> , <b>2006</b> , 7, 1250-7	19.1	692
89	Immune modulation by bacterial outer membrane vesicles. <i>Nature Reviews Immunology</i> , <b>2015</b> , 15, 375-87	36.5	389
88	Bacterial membrane vesicles deliver peptidoglycan to NOD1 in epithelial cells. <i>Cellular Microbiology</i> , <b>2010</b> , 12, 372-85	3.9	287
87	Nod1-mediated innate immune recognition of peptidoglycan contributes to the onset of adaptive immunity. <i>Immunity</i> , <b>2007</b> , 26, 445-59	32.3	258
86	Essential role of <i>Helicobacter pylori</i> gamma-glutamyltranspeptidase for the colonization of the gastric mucosa of mice. <i>Molecular Microbiology</i> , <b>1999</b> , 31, 1359-72	4.1	161
85	The immune receptor NOD1 and kinase RIP2 interact with bacterial peptidoglycan on early endosomes to promote autophagy and inflammatory signaling. <i>Cell Host and Microbe</i> , <b>2014</b> , 15, 623-35	23.4	158
84	Bacterial membrane vesicles transport their DNA cargo into host cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 7072	4.9	145
83	Muc1 mucin limits both <i>Helicobacter pylori</i> colonization of the murine gastric mucosa and associated gastritis. <i>Gastroenterology</i> , <b>2007</b> , 133, 1210-8	13.3	138
82	<i>Helicobacter pylori</i> induces MAPK phosphorylation and AP-1 activation via a NOD1-dependent mechanism. <i>Journal of Immunology</i> , <b>2009</b> , 183, 8099-109	5.3	134
81	<i>Helicobacter pylori</i> heat shock protein 60 mediates interleukin-6 production by macrophages via a toll-like receptor (TLR)-2-, TLR-4-, and myeloid differentiation factor 88-independent mechanism. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 245-50	5.4	127
80	<i>Helicobacter pylori</i> hspA-hspB heat-shock gene cluster: nucleotide sequence, expression, putative function and immunogenicity. <i>Molecular Microbiology</i> , <b>1994</b> , 14, 959-74	4.1	127
79	Reduced activation of inflammatory responses in host cells by mouse-adapted <i>Helicobacter pylori</i> isolates. <i>Cellular Microbiology</i> , <b>2002</b> , 4, 285-96	3.9	111
78	Immune responses of specific-pathogen-free mice to chronic <i>Helicobacter pylori</i> (strain SS1) infection. <i>Infection and Immunity</i> , <b>1998</b> , 66, 1349-55	3.7	111
77	<i>Helicobacter pylori</i> rocF is required for arginase activity and acid protection in vitro but is not essential for colonization of mice or for urease activity. <i>Journal of Bacteriology</i> , <b>1999</b> , 181, 7314-22	3.5	98
76	The innate immune molecule, NOD1, regulates direct killing of <i>Helicobacter pylori</i> by antimicrobial peptides. <i>Cellular Microbiology</i> , <b>2010</b> , 12, 626-39	3.9	79
75	The mouse colonizing <i>Helicobacter pylori</i> strain SS1 may lack a functional cag pathogenicity island. <i>Helicobacter</i> , <b>2002</b> , 7, 139-40; author reply 140-1	4.9	77

74	A novel NOD1- and CagA-independent pathway of interleukin-8 induction mediated by the <i>Helicobacter pylori</i> type IV secretion system. <i>Cellular Microbiology</i> , <b>2013</b> , 15, 554-70	3.9	73
73	<i>Helicobacter pylori</i> -induced histone modification, associated gene expression in gastric epithelial cells, and its implication in pathogenesis. <i>PLoS ONE</i> , <b>2010</b> , 5, e9875	3.7	73
72	Outer Membrane Vesicle Size Determines Their Mechanisms of Host Cell Entry and Protein Content. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1466	8.4	70
71	Bismuth(III) complexes derived from non-steroidal anti-inflammatory drugs and their activity against <i>Helicobacter pylori</i> . <i>Dalton Transactions</i> , <b>2010</b> , 39, 2861-8	4.3	61
70	Increased Outer Membrane Vesicle Formation in a <i>Helicobacter pylori</i> tolB Mutant. <i>Helicobacter</i> , <b>2015</b> , 20, 269-83	4.9	58
69	<i>Helicobacter pylori</i> exploits cholesterol-rich microdomains for induction of NF-kappaB-dependent responses and peptidoglycan delivery in epithelial cells. <i>Infection and Immunity</i> , <b>2010</b> , 78, 4523-31	3.7	58
68	Cloning, expression and sequencing of <i>Helicobacter felis</i> urease genes. <i>Molecular Microbiology</i> , <b>1993</b> , 9, 323-33	4.1	57
67	Cloning and allelic exchange mutagenesis of two flagellin genes of <i>Helicobacter felis</i> . <i>Molecular Microbiology</i> , <b>1999</b> , 33, 350-62	4.1	53
66	The beta1 integrin activates JNK independent of CagA, and JNK activation is required for <i>Helicobacter pylori</i> CagA+-induced motility of gastric cancer cells. <i>Journal of Biological Chemistry</i> , <b>2008</b> , 283, 13952-63	5.4	49
65	Mammalian NLR proteins; discriminating foe from friend. <i>Immunology and Cell Biology</i> , <b>2007</b> , 85, 495-502	5	49
64	Genetic modulation of TLR8 response following bacterial phagocytosis. <i>Human Mutation</i> , <b>2010</b> , 31, 1069-79	4.7	48
63	Both the p33 and p55 subunits of the <i>Helicobacter pylori</i> VacA toxin are targeted to mammalian mitochondria. <i>Journal of Molecular Biology</i> , <b>2010</b> , 401, 792-8	6.5	44
62	Nucleotide oligomerization domain 1 enhances IFN- $\beta$ signaling in gastric epithelial cells during <i>Helicobacter pylori</i> infection and exacerbates disease severity. <i>Journal of Immunology</i> , <b>2013</b> , 190, 3706-15	5.3	42
61	Outbred mice with long-term <i>Helicobacter felis</i> infection develop both gastric lymphoid tissue and glandular hyperplastic lesions. <i>Journal of Pathology</i> , <b>2000</b> , 191, 333-40	9.4	40
60	Loss of NF- $\kappa$ B1 Causes Gastric Cancer with Aberrant Inflammation and Expression of Immune Checkpoint Regulators in a STAT-1-Dependent Manner. <i>Immunity</i> , <b>2018</b> , 48, 570-583.e8	32.3	39
59	Peptidoglycan maturation enzymes affect flagellar functionality in bacteria. <i>Molecular Microbiology</i> , <b>2012</b> , 86, 845-56	4.1	39
58	Bismuth(III) 5-sulfosalicylate complexes: structure, solubility and activity against <i>Helicobacter pylori</i> . <i>Dalton Transactions</i> , <b>2009</b> , 6377-84	4.3	39
57	Membrane vesicles from <i>Pseudomonas aeruginosa</i> activate the noncanonical inflammasome through caspase-5 in human monocytes. <i>Immunology and Cell Biology</i> , <b>2018</b> , 96, 1120-1130	5	37

56	Posttranslational Modification as a Critical Determinant of Cytoplasmic Innate Immune Recognition. <i>Physiological Reviews</i> , <b>2017</b> , 97, 1165-1209	47.9	36
55	Bismuth(III) Ethioxonates as antibiotics against <i>Helicobacter pylori</i> and as anti-leishmanial agents. <i>Dalton Transactions</i> , <b>2014</b> , 43, 1279-91	4.3	36
54	Structural and solution studies of phenylbismuth(III) sulfonate complexes and their activity against <i>Helicobacter pylori</i> . <i>Dalton Transactions</i> , <b>2010</b> , 39, 9633-41	4.3	36
53	Remarkable in vitro bactericidal activity of bismuth(III) sulfonates against <i>Helicobacter pylori</i> . <i>Dalton Transactions</i> , <b>2012</b> , 41, 11798-806	4.3	35
52	Loss of gastrin-2 drives premalignant gastric inflammation and tumor progression. <i>Journal of Clinical Investigation</i> , <b>2016</b> , 126, 1383-400	15.9	34
51	Bismuth(III) Saccharinate and Thiosaccharinate Complexes and the Effect of Ligand Substitution on Their Activity against <i>Helicobacter pylori</i> . <i>Organometallics</i> , <b>2011</b> , 30, 6283-6291	3.8	32
50	NF-kappaB activation during acute <i>Helicobacter pylori</i> infection in mice. <i>Infection and Immunity</i> , <b>2008</b> , 76, 551-61	3.7	32
49	<i>Helicobacter pylori</i> cag pathogenicity island (cagPAI) involved in bacterial internalization and IL-8 induced responses via NOD1- and MyD88-dependent mechanisms in human biliary epithelial cells. <i>PLoS ONE</i> , <b>2013</b> , 8, e77358	3.7	31
48	Nod-like receptors are critical for gut-brain axis signalling in mice. <i>Journal of Physiology</i> , <b>2019</b> , 597, 5777-5797	3.7	30
47	Vitamin B6 is required for full motility and virulence in <i>Helicobacter pylori</i> . <i>MBio</i> , <b>2010</b> , 1,	7.8	30
46	Exposure to metronidazole in vivo readily induces resistance in <i>Helicobacter pylori</i> and reduces the efficacy of eradication therapy in mice. <i>Antimicrobial Agents and Chemotherapy</i> , <b>1999</b> , 43, 777-81	5.9	29
45	Bismuth(III) benzohydroxamates: powerful anti-bacterial activity against <i>Helicobacter pylori</i> and hydrolysis to a unique Bi34 oxido-cluster [Bi34O22(BHA)22(H-BHA)14(DMSO)6]. <i>Chemical Communications</i> , <b>2014</b> , 50, 15232-4	5.8	28
44	Review: <i>Helicobacter</i> : Inflammation, immunology, and vaccines. <i>Helicobacter</i> , <b>2019</b> , 24 Suppl 1, e12644	4.9	26
43	Protease-activated receptor-1 down-regulates the murine inflammatory and humoral response to <i>Helicobacter pylori</i> . <i>Gastroenterology</i> , <b>2010</b> , 138, 573-82	13.3	26
42	The molecular pathogenesis of STAT3-driven gastric tumorigenesis in mice is independent of IL-17. <i>Journal of Pathology</i> , <b>2011</b> , 225, 255-64	9.4	25
41	Structural influences on the activity of bismuth(III) indole-carboxylato complexes towards <i>Helicobacter pylori</i> and <i>Leishmania</i> . <i>Journal of Inorganic Biochemistry</i> , <b>2017</b> , 177, 266-275	4.2	23
40	Anti- activity of ethoxzolamide. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2019</b> , 34, 1660-1667	3.6	23
39	Synthesis and structural characterisation of bismuth(III) hydroxamates and their activity against <i>Helicobacter pylori</i> . <i>Dalton Transactions</i> , <b>2015</b> , 44, 16903-13	4.3	23

38	Hyperactive gp130/STAT3-driven gastric tumorigenesis promotes submucosal tertiary lymphoid structure development. <i>International Journal of Cancer</i> , <b>2018</b> , 143, 167-178	7.5	23
37	Synthesis and characterisation of bismuth(III) aminoarenesulfonate complexes and their powerful bactericidal activity against <i>Helicobacter pylori</i> . <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 5264-75	4.8	23
36	Electron microscopic, genetic and protein expression analyses of <i>Helicobacter acinonychis</i> strains from a Bengal tiger. <i>PLoS ONE</i> , <b>2013</b> , 8, e71220	3.7	23
35	<i>Helicobacter pylori</i> VacA suppresses <i>Lactobacillus acidophilus</i> -induced interferon beta signaling in macrophages via alterations in the endocytic pathway. <i>MBio</i> , <b>2013</b> , 4, e00609-12	7.8	22
34	A commensal <i>Helicobacter</i> sp. of the rodent intestinal flora activates TLR2 and NOD1 responses in epithelial cells. <i>PLoS ONE</i> , <b>2009</b> , 4, e5396	3.7	22
33	Making bispirin: synthesis, structure and activity against <i>Helicobacter pylori</i> of bismuth(III) acetylsalicylate. <i>Chemical Communications</i> , <b>2013</b> , 49, 2870-2	5.8	21
32	A Homolog of Eukaryotic Flotillin Is Involved in Cholesterol Accumulation, Epithelial Cell Responses and Host Colonization. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2017</b> , 7, 219	5.9	21
31	Secretion of flagellin by the LEE-encoded type III secretion system of enteropathogenic <i>Escherichia coli</i> . <i>BMC Microbiology</i> , <b>2009</b> , 9, 30	4.5	21
30	Evaluation of nitrofurantoin combination therapy of metronidazole-sensitive and -resistant <i>Helicobacter pylori</i> infections in mice. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2000</b> , 44, 2623-9	5.9	19
29	NOD1 is required for <i>Helicobacter pylori</i> induction of IL-33 responses in gastric epithelial cells. <i>Cellular Microbiology</i> , <b>2018</b> , 20, e12826	3.9	18
28	Nod1 promotes colorectal carcinogenesis by regulating the immunosuppressive functions of tumor-infiltrating myeloid cells. <i>Cell Reports</i> , <b>2021</b> , 34, 108677	10.6	18
27	Bismuth(III) complexes derived from amino acids: the impact of hydrolysis and oxido-cluster formation on their activity against <i>Helicobacter pylori</i> . <i>Dalton Transactions</i> , <b>2014</b> , 43, 17980-90	4.3	15
26	Regulation and functions of inflammasome-mediated cytokines in <i>Helicobacter pylori</i> infection. <i>Microbes and Infection</i> , <b>2017</b> , 19, 449-458	9.3	14
25	Role of virulence factors and host cell signaling in the recognition of <i>Helicobacter pylori</i> and the generation of immune responses. <i>Future Microbiology</i> , <b>2010</b> , 5, 1233-55	2.9	14
24	Constitutive STAT3 Serine Phosphorylation Promotes <i>Helicobacter</i> -Mediated Gastric Disease. <i>American Journal of Pathology</i> , <b>2020</b> , 190, 1256-1270	5.8	13
23	Des-acyl ghrelin inhibits the capacity of macrophages to stimulate the expression of aromatase in breast adipose stromal cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2017</b> , 170, 49-53	5.1	12
22	Innate Immune Molecule NLRC5 Protects Mice From <i>Helicobacter</i> -induced Formation of Gastric Lymphoid Tissue. <i>Gastroenterology</i> , <b>2020</b> , 159, 169-182.e8	13.3	10
21	Bismuth(III) Thiobenzoates and their Activity against <i>Helicobacter pylori</i> . <i>Australian Journal of Chemistry</i> , <b>2012</b> , 65, 883	1.2	10

20	Mouse models of Helicobacter-induced gastric cancer: use of cocarcinogens. <i>Methods in Molecular Biology</i> , <b>2012</b> , 921, 157-73	1.4	10
19	Role of NOD1 and ALPK1/TIFA Signalling in Innate Immunity Against Helicobacter pylori Infection. <i>Current Topics in Microbiology and Immunology</i> , <b>2019</b> , 421, 159-177	3.3	8
18	In Vivo Modeling of Helicobacter-Associated Gastrointestinal Diseases 565-582		7
17	NLR5 deficiency has a moderate impact on immunodominant CD8 T-cell responses during rotavirus infection of adult mice. <i>Immunology and Cell Biology</i> , <b>2019</b> , 97, 552-562	5	6
16	In Vivo Adaptation to the Host 583-592		6
15	Interferon- $\gamma$ promotes gastric lymphoid follicle formation but not gastritis in $\gamma$ -infected BALB/c mice. <i>Gut Pathogens</i> , <b>2016</b> , 8, 61	5.4	5
14	A sweeter way to combat Helicobacter pylori? Bismuth(III) complexes and oxido-clusters derived from non-nutritive sweeteners and their activity against H. pylori. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 724, 88-94	2.3	4
13	The use of AlbuMAX II ( ) as a blood or serum alternative for the culture of Helicobacter pylori. <i>Helicobacter</i> , <b>2012</b> , 17, 68-76	4.9	4
12	Isolation of Mouse Primary Gastric Epithelial Cells to Investigate the Mechanisms of Helicobacter pylori Associated Disease. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1725, 119-126	1.4	3
11	Nuclear trafficking of bacterial effector proteins. <i>Cellular Microbiology</i> , <b>2021</b> , 23, e13320	3.9	3
10	The Use of CRISPR/Cas9 Gene Editing to Confirm Congenic Contaminations in Host-Pathogen Interaction Studies. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2018</b> , 8, 87	5.9	2
9	Mouse Models Of Helicobacter Infection And Gastric Pathologies. <i>Journal of Visualized Experiments</i> , <b>2018</b> ,	1.6	2
8	Complete genome sequence of Helicobacter pylori B128 7.13 and a single-step method for the generation of unmarked mutations. <i>Helicobacter</i> , <b>2019</b> , 24, e12587	4.9	1
7	Xanthine-Guanine-Hypoxanthine Phosphoribosyltransferase-A Putative Target for Drug Discovery against Gastrointestinal Tract Infections. <i>Journal of Medicinal Chemistry</i> , <b>2021</b> , 64, 5710-5729	8.3	1
6	Virulence Mechanisms of Helicobacter pylori: An Overview <b>2016</b> , 57-87		1
5	Analysis of Innate Immune Responses to Helicobacter pylori. <i>Methods in Molecular Biology</i> , <b>2021</b> , 2283, 191-214	1.4	1
4	Helicobacter pylori-induced gastric carcinogenesis <b>2021</b> , 91-118		0
3	93. <i>Cytokine</i> , <b>2014</b> , 70, 50	4	

- 2 Peptidoglycan maturation enzymes affect flagellar functionality in bacteria. *Molecular Microbiology*, **2013**, 88, 456-457 4.1
- 1 Vaccination contre les infections  $\square$ Helicobacter pylori. *Annales De L'Institut Pasteur / Actualit s*, **1995**, 6, 237-244