Pietro Mastroeni

List of Publications by Citations

135 papers	7,201 citations	44 h-index	82 g-index
140 ext. papers	7,793 ext. citations	5.6 avg, IF	5.41 L-index

#	Paper	IF	Citations
135	Salmonella pathogenicity island 2-dependent evasion of the phagocyte NADPH oxidase. *Science*, **2000**, 287, 1655-8	33.3	462
134	Antimicrobial actions of the NADPH phagocyte oxidase and inducible nitric oxide synthase in experimental salmonellosis. I. Effects on microbial killing by activated peritoneal macrophages in vitro. *Journal of Experimental Medicine*, **2000**, 192, 227-36	16.6	441
133	Entry of Listeria monocytogenes into hepatocytes requires expression of inIB, a surface protein of the internalin multigene family. *Molecular Microbiology*, **1995**, 16, 251-61	4.1	389
132	Antimicrobial actions of the NADPH phagocyte oxidase and inducible nitric oxide synthase in experimental salmonellosis. II. Effects on microbial proliferation and host survival in vivo. *Journal of Experimental Medicine*, **2000**, 192, 237-48	16.6	329
131	Antibiotic treatment of clostridium difficile carrier mice triggers a supershedder state, spore-mediated transmission, and severe disease in immunocompromised hosts. *Infection and Immunity*, **2009**, 77, 3661-9	3.7	265
130	Adoptive transfer of immunity to oral challenge with virulent salmonellae in innately susceptible BALB/c mice requires both immune serum and T cells. *Infection and Immunity*, **1993**, 61, 3981-4	3.7	178
129	Rapid expression of chemokines and proinflammatory cytokines in newly hatched chickens infected with Salmonella enterica serovar typhimurium. *Infection and Immunity*, **2004**, 72, 2152-9	3.7	177
128	Salmonella: immune responses and vaccines. *Veterinary Journal*, **2001**, 161, 132-64	2.5	169
127	Interleukin 18 contributes to host resistance and gamma interferon production in mice infected with virulent Salmonella typhimurium. *Infection and Immunity*, **1999**, 67, 478-83	3.7	166
126	Cytokine and chemokine responses associated with clearance of a primary Salmonella enterica serovar Typhimurium infection in the chicken and in protective immunity to rechallenge. *Infection and Immunity*, **2005**, 73, 5173-82	3.7	160
125	Role of T cells, TNF alpha and IFN gamma in recall of immunity to oral challenge with virulent salmonellae in mice vaccinated with live attenuated aro- Salmonella vaccines. *Microbial Pathogenesis*, **1992**, 13, 477-91	3.8	160
124	Igh-6(-/-) (B-cell-deficient) mice fail to mount solid acquired resistance to oral challenge with virulent Salmonella enterica serovar typhimurium and show impaired Th1 T-cell responses to Salmonella antigens. *Infection and Immunity*, **2000**, 68, 46-53	3.7	155
123	Modelling within-host spatiotemporal dynamics of invasive bacterial disease. *PLoS Biology*, **2008**, 6, e74	9.7	153
122	Immunity to salmonellosis. *Immunological Reviews*, **2011**, 240, 196-210	11.3	151
121	Role of antibody to lipopolysaccharide in protection against low- and high-virulence strains of Francisella tularensis. *Vaccine*, **2001**, 19, 4465-72	4.1	133
120	Copper homeostasis in Salmonella is atypical and copper-CueP is a major periplasmic metal complex. *Journal of Biological Chemistry*, **2010**, 285, 25259-68	5.4	125
119	Interleukin-12 is required for control of the growth of attenuated aromatic-compound-dependent salmonellae in BALB/c mice: role of gamma interferon and macrophage activation. *Infection and Immunity*, **1998**, 66, 4767-76	3.7	121

118	Immunity to systemic Salmonella infections. *Current Molecular Medicine*, **2002**, 2, 393-406	2.5	118
117	Dynamics of bacterial growth and distribution within the liver during Salmonella infection. *Cellular Microbiology*, **2003**, 5, 593-600	3.9	114
116	Importance of antibody and complement for oxidative burst and killing of invasive nontyphoidal Salmonella by blood cells in Africans. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 3070-5	11.5	105
115	Effect of interleukin 12 neutralization on host resistance and gamma interferon production in mouse typhoid. *Infection and Immunity*, **1996**, 64, 189-96	3.7	102
114	TLR and B cell receptor signals to B cells differentially program primary and memory Th1 responses to Salmonella enterica. *Journal of Immunology*, **2010**, 185, 2783-9	5.3	99
113	A dynamic view of the spread and intracellular distribution of Salmonella enterica. *Nature Reviews Microbiology*, **2009**, 7, 73-80	22.2	94
112	Characterization of an isogenic mutant of Streptococcus pyogenes Manfredo lacking the ability to make streptococcal acid glycoprotein. *Infection and Immunity*, **2000**, 68, 2441-8	3.7	94
111	B cell intrinsic MyD88 signals drive IFN-gamma production from T cells and control switching to IgG2c. *Journal of Immunology*, **2009**, 183, 1005-12	5.3	90
110	Development of acquired immunity to Salmonella. *Journal of Medical Microbiology*, **2003**, 52, 453-459	3.2	83
109	A Salmonella typhimurium effector protein SifA is modified by host cell prenylation and S-acylation machinery. *Journal of Biological Chemistry*, **2005**, 280, 14620-7	5.4	83
108	Salmonella typhimurium aroA, htrA, and aroD htrA mutants cause progressive infections in athymic (nu/nu) BALB/c mice. *Infection and Immunity*, **1997**, 65, 1566-9	3.7	80
107	Correlates of protection induced by live Aro- Salmonella typhimurium vaccines in the murine typhoid model. *Immunology*, **1997**, 90, 618-25	7.8	79
106	Salmonella infections in the mouse model: host resistance factors and in vivo dynamics of bacterial spread and distribution in the tissues. *Microbes and Infection*, **2004**, 6, 398-405	9.3	79
105	Serum TNF alpha in mouse typhoid and enhancement of a Salmonella infection by anti-TNF alpha antibodies. *Microbial Pathogenesis*, **1991**, 11, 33-8	3.8	77
104	MHC class I-restricted cytotoxic lymphocyte responses induced by enterotoxin-based mucosal adjuvants. *Journal of Immunology*, **1999**, 163, 6502-10	5.3	73
103	Effect of anti-tumor necrosis factor alpha antibodies on histopathology of primary Salmonella infections. *Infection and Immunity*, **1995**, 63, 3674-82	3.7	71
102	A clinical, microbiological, and pathological study of intestinal perforation associated with typhoid fever. *Clinical Infectious Diseases*, **2004**, 39, 61-7	11.6	70
101	Protection against oral challenge three months after i.v. immunization of BALB/c mice with live Aro Salmonella typhimurium and Salmonella enteritidis vaccines is serotype (species)-dependent and only partially determined by the main LPS O antigen. *Vaccine*, **1996**, 14, 251-9	4.1	63

100	Characterization and development of T-Cell immune responses in B-cell-deficient (Igh-6(-/-)) mice with Salmonella enterica serovar Typhimurium infection. *Infection and Immunity*, **2003**, 71, 6808-19	3.7	60
99	Intracellular demography and the dynamics of Salmonella enterica infections. *PLoS Biology*, **2006**, 4, e349	9.7	58
98	Inhibition of cell surface MHC class II expression by Salmonella. *European Journal of Immunology*, **2004**, 34, 2559-67	6.1	55
97	Comparative immunogenicity and efficacy of equivalent outer membrane vesicle and glycoconjugate vaccines against nontyphoidal. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 10428-10433	11.5	55
96	T cells do not mediate the initial suppression of a Salmonella infection in the RES. *Immunology*, **1990**, 70, 247-50	7.8	54
95	Dynamics of Salmonella infection of macrophages at the single cell level. *Journal of the Royal Society Interface*, **2012**, 9, 2696-707	4.1	53
94	Attenuated Salmonella Typhimurium lacking the pathogenicity island-2 type 3 secretion system grow to high bacterial numbers inside phagocytes in mice. *PLoS Pathogens*, **2012**, 8, e1003070	7.6	49
93	Toll-like receptor 4 signalling through MyD88 is essential to control Salmonella enterica serovar typhimurium infection, but not for the initiation of bacterial clearance. *Immunology*, **2009**, 128, 472-83	7.8	45
92	Anaesthetic impairment of immune function is mediated via GABA(A) receptors. *PLoS ONE*, **2011**, 6, e17152	3.7	44
91	Effect of late administration of anti-TNF alpha antibodies on a Salmonella infection in the mouse model. *Microbial Pathogenesis*, **1993**, 14, 473-80	3.8	44
90	Spread of Salmonella enterica in the body during systemic infection: unravelling host and pathogen determinants. *Expert Reviews in Molecular Medicine*, **2011**, 13, e12	6.7	43
89	Effect of immune serum and role of individual Fcgamma receptors on the intracellular distribution and survival of Salmonella enterica serovar Typhimurium in murine macrophages. *Immunology*, **2006**, 119, 147-58	7.8	42
88	Slc11a1-mediated resistance to Salmonella enterica serovar Typhimurium and Leishmania donovani infections does not require functional inducible nitric oxide synthase or phagocyte oxidase activity. *Journal of Leukocyte Biology*, **2005**, 77, 311-20	6.5	42
87	Increased susceptibility of C1q-deficient mice to Salmonella enterica serovar Typhimurium infection. *Infection and Immunity*, **2002**, 70, 551-7	3.7	41
86	Design of glycoconjugate vaccines against invasive African Salmonella enterica serovar Typhimurium. *Infection and Immunity*, **2015**, 83, 996-1007	3.7	40
85	Salmonella typhimurium infection halts development of type 1 diabetes in NOD mice. *European Journal of Immunology*, **2004**, 34, 3246-56	6.1	40
84	A Salmonella Typhimurium-Typhi genomic chimera: a model to study Vi polysaccharide capsule function in vivo. *PLoS Pathogens*, **2011**, 7, e1002131	7.6	38
83	Salmonella typhimurium infection in nonobese diabetic mice generates immunomodulatory dendritic cells able to prevent type 1 diabetes. *Journal of Immunology*, **2006**, 177, 2224-33	5.3	35

82	Enhanced susceptibility to Citrobacter rodentium infection in microRNA-155-deficient mice. *Infection and Immunity*, **2013**, 81, 723-32	3.7	34
81	Human IgG isotypes and activating Fc receptors in the interaction of Salmonella enterica serovar Typhimurium with phagocytic cells. *Immunology*, **2011**, 133, 74-83	7.8	34
80	Interactions of proteoliposomes from serogroup B Neisseria meningitidis with bone marrow-derived dendritic cells and macrophages: adjuvant effects and antigen delivery. *Vaccine*, **2005**, 23, 1312-21	4.1	33
79	DNA-Salmonella enterica serovar Typhimurium primer-booster vaccination biases towards T helper 1 responses and enhances protection against Leishmania major infection in mice. *Infection and Immunity*, **2004**, 72, 4924-8	3.7	33
78	Oxidative and nitrosative responses of the chicken macrophage cell line MQ-NCSU to experimental Salmonella infection. *British Poultry Science*, **2005**, 46, 261-7	1.9	33
77	Monoclonal Antibodies of a Diverse Isotype Induced by an O-Antigen Glycoconjugate Vaccine Mediate In Vitro and In Vivo Killing of African Invasive Nontyphoidal Salmonella. *Infection and Immunity*, **2015**, 83, 3722-31	3.7	30
76	Live bacteria as the basis for immunotherapies against cancer. *Expert Review of Vaccines*, **2002**, 1, 495-505	5.2	30
75	Activation of murine dendritic cells and macrophages induced by Salmonella enterica serovar Typhimurium. *Immunology*, **2005**, 115, 462-72	7.8	29
74	Proliferative and T-cell specific interleukin (IL-2/IL-4) production responses in spleen cells from mice vaccinated with aroA live attenuated Salmonella vaccines. *Microbial Pathogenesis*, **1992**, 13, 305-15	3.8	29
73	Caspase-3-dependent phagocyte death during systemic Salmonella enterica serovar Typhimurium infection of mice. *Immunology*, **2008**, 125, 28-37	7.8	28
72	LuxS affects flagellar phase variation independently of quorum sensing in Salmonella enterica serovar typhimurium. *Journal of Bacteriology*, **2008**, 190, 769-71	3.5	28
71	The bacterial cytoskeleton modulates motility, type 3 secretion, and colonization in Salmonella. *PLoS Pathogens*, **2012**, 8, e1002500	7.6	26
70	In vivo regulation of the Vi antigen in Salmonella and induction of immune responses with an in vivo-inducible promoter. *Infection and Immunity*, **2011**, 79, 2481-8	3.7	25
69	The effects of vaccination and immunity on bacterial infection dynamics in vivo. *PLoS Pathogens*, **2014**, 10, e1004359	7.6	24
68	Fcgamma receptors are crucial for the expression of acquired resistance to virulent Salmonella enterica serovar Typhimurium in vivo but are not required for the induction of humoral or T-cell-mediated immunity. *Immunology*, **2007**, 120, 424-32	7.8	24
67	Early responses to Salmonella typhimurium infection in mice occur at focal lesions in infected organs. *Microbial Pathogenesis*, **2001**, 30, 29-38	3.8	24
66	Enhanced virulence of Salmonella enterica serovar typhimurium after passage through mice. *Infection and Immunity*, **2011**, 79, 636-43	3.7	23
65	Salmonella typhimurium infections in mice deficient in interleukin-4 production: role of IL-4 in infection-associated pathology. *Journal of Immunology*, **1997**, 159, 1820-7	5.3	23

64	Dynamics of spread of Salmonella enterica in the systemic compartment. *Microbes and Infection*, **2013**, 15, 849-57	9.3	21
63	TARM1 Is a Novel Leukocyte Receptor Complex-Encoded ITAM Receptor That Costimulates Proinflammatory Cytokine Secretion by Macrophages and Neutrophils. *Journal of Immunology*, **2015**, 195, 3149-59	5.3	20
62	Plant lectins ConBr and CFL modulate expression toll-like receptors, pro-inflammatory cytokines and reduce the bacterial burden in macrophages infected with Salmonella enterica serovar Typhimurium. *Phytomedicine*, **2017**, 25, 52-60	6.5	18
61	LuxS-based quorum sensing does not affect the ability of Salmonella enterica serovar Typhimurium to express the SPI-1 type 3 secretion system, induce membrane ruffles, or invade epithelial cells. *Journal of Bacteriology*, **2009**, 191, 7253-9	3.5	18
60	Resistance and susceptibility to Salmonella infections. *Reviews in Medical Microbiology*, **2003**, 14, 53-62	1.1	18
59	Expression of Siglec-E Alters the Proteome of Lipopolysaccharide (LPS)-Activated Macrophages but Does Not Affect LPS-Driven Cytokine Production or Toll-Like Receptor 4 Endocytosis. *Frontiers in Immunology*, **2017**, 8, 1926	8.4	17
58	Evaluation of a novel Vi conjugate vaccine in a murine model of salmonellosis. *Vaccine*, **2006**, 24, 4312-20	4.1	17
57	Vaccines against gut pathogens. *Gut*, **1999**, 45, 633-5	19.2	17
56	Morphological modifications of the choroid plexus in a rodent model of acute ventriculitis induced by gram-negative liquoral sepsis. Possible implications in the pathophysiology of hypersecretory hydrocephalus. *Childs Nervous System*, **1995**, 11, 511-6	1.7	17
55	Genomic variations leading to alterations in cell morphology of Campylobacter spp. *Scientific Reports*, **2016**, 6, 38303	4.9	17
54	Genes Required for the Fitness of Salmonella enterica Serovar Typhimurium during Infection of Immunodeficient gp91-/- phox Mice. *Infection and Immunity*, **2016**, 84, 989-997	3.7	16
53	Bacterial growth rate and host factors as determinants of intracellular bacterial distributions in systemic Salmonella enterica infections. *Infection and Immunity*, **2009**, 77, 5608-11	3.7	16
52	Multiple redundant stress resistance mechanisms are induced in Salmonella enterica serovar Typhimurium in response to alteration of the intracellular environment via TLR4 signalling. *Microbiology (United Kingdom)*, **2009**, 155, 2919-2929	2.9	14
51	Virulent Salmonella enterica infections can be exacerbated by concomitant infection of the host with a live attenuated S. enterica vaccine via Toll-like receptor 4-dependent interleukin-10 production with the involvement of both TRIF and MyD88. *Immunology*, **2008**, 124, 469-79	7.8	14
50	Within-host spatiotemporal dynamics of systemic Salmonella infection during and after antimicrobial treatment. *Journal of Antimicrobial Chemotherapy*, **2017**, 72, 3390-3397	5.1	13
49	Intracellular adhesion molecule 1 plays a key role in acquired immunity to salmonellosis. *Infection and Immunity*, **2003**, 71, 5881-91	3.7	13
48	Attenuated Salmonella typhimurium htrA mutants cause fatal infections in mice deficient in NADPH oxidase and destroy NADPH oxidase-deficient macrophage monolayers. *Vaccine*, **2004**, 22, 4124-31	4.1	13
47	Salmonella enterica serovar typhimurium trxA mutants are protective against virulent challenge and induce less inflammation than the live-attenuated vaccine strain SL3261. *Infection and Immunity*, **2010**, 78, 326-36	3.7	12

46	Salmonella enterica serovar Typhimurium mutants completely lacking the F(0)F(1) ATPase are novel live attenuated vaccine strains. *Vaccine*, **2010**, 28, 940-9	4.1	12
45	Immunological bases of increased susceptibility to invasive nontyphoidal Salmonella infection in children with malaria and anaemia. *Microbes and Infection*, **2018**, 20, 589-598	9.3	11
44	PD-L1 blockade overrides Salmonella typhimurium-mediated diabetes prevention in NOD mice: no role for Tregs. *European Journal of Immunology*, **2011**, 41, 2966-76	6.1	11
43	Delayed (footpad) hypersensitivity and Arthus reactivity using protein-rich antigens and LPS in mice immunized with live attenuated aroA Salmonella vaccines. *Microbial Pathogenesis*, **1993**, 14, 369-79	3.8	11
42	Serum TNF alpha inhibitor in mouse typhoid. *Microbial Pathogenesis*, **1992**, 12, 343-9	3.8	11
41	Toxicity of lipopolysaccharide and of soluble extracts of Salmonella typhimurium in mice immunized with a live attenuated aroA salmonella vaccine. *Infection and Immunity*, **1994**, 62, 2285-8	3.7	11
40	A Restricted Role for FcR in the Regulation of Adaptive Immunity. *Journal of Immunology*, **2018**, 200, 2615-2626	5.3	10
39	Cytotoxicity against tumor cell lines and anti-inflammatory properties of chitinases from Calotropis procera latex. *Naunyn-Schmiedebergs Archives of Pharmacology*, **2017**, 390, 1005-1013	3.4	10
38	Bacterial derived proteoliposome as ideal delivery system and cellular adjuvant. *Vaccine*, **2006**, 24 Suppl 2, S2-24-5	4.1	10
37	Modifying bacterial flagellin to evade Nod-like Receptor CARD 4 recognition enhances protective immunity against Salmonella. *Nature Microbiology*, **2020**, 5, 1588-1597	26.6	10
36	An efficient moments-based inference method for within-host bacterial infection dynamics. *PLoS Computational Biology*, **2017**, 13, e1005841	5	9
35	Paratyphi A Outer Membrane Vesicles Displaying Vi Polysaccharide as a Multivalent Vaccine against Enteric Fever. *Infection and Immunity*, **2021**, 89,	3.7	9
34	Identification and initial characterisation of a protein involved in Campylobacter jejuni cell shape. *Microbial Pathogenesis*, **2017**, 104, 202-211	3.8	8
33	The MHP36 line of murine neural stem cells expresses functional CXCR1 chemokine receptors that initiate chemotaxis in vitro. *Journal of Neuroimmunology*, **2007**, 184, 198-208	3.5	8
32	Induction of tumor necrosis factor alpha by Leishmania infantum in murine macrophages from different inbred mice strains. *Microbial Pathogenesis*, **1992**, 12, 9-17	3.8	8
31	Immunology, epidemiology and mathematical modelling towards a better understanding of invasive non-typhoidal Salmonella disease and rational vaccination approaches. *Expert Review of Vaccines*, **2016**, 15, 1545-1555	5.2	8
30	Single passage in mouse organs enhances the survival and spread of Salmonella enterica. *Journal of the Royal Society Interface*, **2015**, 12, 20150702	4.1	7
29	Salmonella infection of afferent lymph dendritic cells. *Journal of Leukocyte Biology*, **2008**, 83, 272-9	6.5	7

28	Igg Subclasses Targeting the Flagella of Serovar Typhimurium Can Mediate Phagocytosis and Bacterial Killing. *Journal of Vaccines & Vaccination*, **2016**, 7,		7
27	Comparative effect of gentamicin and pefloxacin treatment on the late stages of mouse typhoid. *New Microbiologica*, **1998**, 21, 9-14	1.1	7
26	Beta-lactam antibiotics (aztreonam, ampicillin, cefazolin and ceftazidime) in the control and eradication of Salmonella typhimurium in naturally resistant and susceptible mice. *Journal of Antimicrobial Chemotherapy*, **1990**, 25, 813-23	5.1	6
25	Antidipsogenic effect of endotoxin in the rat. *Circulatory Shock*, **1983**, 11, 341-50		6
24	Transcriptome and proteome analysis of Salmonella enterica serovar Typhimurium systemic infection of wild type and immune-deficient mice. *PLoS ONE*, **2017**, 12, e0181365	3.7	6
23	Quantification of the effects of antibodies on the extra- and intracellular dynamics of Salmonella enterica. *Journal of the Royal Society Interface*, **2013**, 10, 20120866	4.1	5
22	Nested sampling for Bayesian model comparison in the context of Salmonella disease dynamics. *PLoS ONE*, **2013**, 8, e82317	3.7	5
21	The essential role of complement in antibody-mediated resistance to Salmonella. *Immunology*, **2019**, 156, 69-73	7.8	5
20	Evidence that prostaglandins within preoptic area (POA) may mediate the antidipsogenic effect of Escherichia coli endotoxin in the rat. *Circulatory Shock*, **1985**, 17, 137-45		4
19	Changes in the Epidemiology of Cutaneous Leishmaniasis in Northeastern Iran. *Turkiye Parazitolojii Dergisi*, **2020**, 44, 52-57	0.7	4
18	Immunity Mechanisms in Experimental Salmonellosis **1993**, 223-235		4
17	Dual role of splenic mononuclear and polymorphonuclear cells in the outcome of ciprofloxacin treatment of Salmonella enterica infections. *Journal of Antimicrobial Chemotherapy*, **2020**, 75, 2914-2918	5.1	3
16	Host-specificity of Salmonella infections in animal species57-88		3
15	Effects of rufloxacin in Salmonella typhimurium infection in mice. *Journal of Chemotherapy*, **1992**, 4, 353-7	2.3	3
14	Inferring within-host bottleneck size: A Bayesian approach. *Journal of Theoretical Biology*, **2017**, 435, 218-228	2.3	2
13	Enzyme-linked immunosorbent assay (ELISA) for streptokinase antibodies. *Diagnostic Immunology*, **1983**, 1, 64-7		2
12	Interactions of S. enterica with phagocytic cells255-278		2
11	Within-host spatiotemporal dynamic of systemic salmonellosis: Ways to track infection, reaction to vaccination and antimicrobial treatment. *Journal of Microbiological Methods*, **2020**, 176, 106008	2.8	2

List of Publications

10	A data-based mathematical modelling study to quantify the effects of ciprofloxacin and ampicillin on the within-host dynamics of during treatment and relapse. *Journal of the Royal Society Interface*, **2020**, 17, 20200299	4.1	2
9	Effect of in vivo neutralization of tumor necrosis alpha on the efficacy of antibiotic treatment in systemic Salmonella enterica infections. *Pathogens and Disease*, **2017**, 75,	4.2	1
8	Fish tank granuloma: An emerging skin disease in Iran mimicking Cutaneous Leishmaniasis. *PLoS ONE*, **2019**, 14, e0221367	3.7	1
7	Antibodies and Protection in Systemic Infections: Do We Still Have More Questions than Answers?. *Infection and Immunity*, **2020**, 88,	3.7	1
6	The rK39 Antigen from an Iranian Strain of : Detection of Anti- Antibodies in Humans and Dogs. *Iranian Journal of Parasitology*, **2020**, 15, 48-56	0.8	1
5	Interactions between Salmonella and dendritic cells: what happens along the way?279-298		1
4	Holistic Characterization of a Typhimurium Infection Model Using Integrated Molecular Imaging. *Journal of the American Society for Mass Spectrometry*, **2021**, 32, 2791-2802	3.5	0
3	Role of Salmonella enteritidis lipopolysaccharide on anti-HSV activity of macrophages from different anatomical sites. *International Journal of Tissue Reactions*, **1989**, 11, 169-73		
2	Immunity to Salmonella in domestic (food animal) species299-322		
1	Granulocyte-macrophage colony stimulating factor modulates the production of TNF alpha by differentiated U937 cells infected with Leishmania major. *New Microbiologica*, **1999**, 22, 31-9	1.1	