Jayne C Hope

List of Publications by Year
in descending order

116 papers	5,320 citations	70961 41 h-index	95083 68 g-index
117 all docs	117 docs citations	117 times ranked	5551 citing authors

#	Article	IF	Citations
1	Escherichia coli and Staphylococcus aureus Elicit Differential Innate Immune Responses following Intramammary Infection. Vaccine Journal, 2004, 11, 463-472.	2.6	403
2	Variability in cytokine production and cell proliferation by mitogen-activated ovine peripheral blood mononuclear cells: modulation by interleukin (IL)-10 and IL-12. Veterinary Immunology and Immunopathology, 2004, 102, 67-76.	0.5	298
3	Involvement of caveolae in the uptake of respiratory syncytial virus antigen by dendritic cells. Journal of Leukocyte Biology, 1999, 66, 50-58.	1.5	176
4	Bovine cryptosporidiosis: impact, host-parasite interaction and control strategies. Veterinary Research, 2017, 48, 42.	1.1	171
5	Caveolae and caveolin in immune cells: distribution and functions. Trends in Immunology, 2002, 23, 158-164.	2.9	144
6	Differential production of cytokines, reactive oxygen and nitrogen by bovine macrophages and dendritic cells stimulated with Toll-like receptor agonists. Immunology, 2004, 111, 41-52.	2.0	133
7	Animal African Trypanosomiasis: Time to Increase Focus on Clinically Relevant Parasite and Host Species. Trends in Parasitology, 2016, 32, 599-607.	1.5	127
8	Development of an ELISA for bovine IL-10. Veterinary Immunology and Immunopathology, 2002, 85, 213-223.	0.5	120
9	Tumor Necrosis Factor Blockers Influence Macrophage Responses toMycobacterium tuberculosis. Journal of Infectious Diseases, 2008, 198, 1842-1850.	1.9	117
10	Innate immune response to intramammary infection with Serratia marcescens and Streptococcus uberis. Veterinary Research, 2004, 35, 681-700.	1.1	114
11	NKp46 defines a subset of bovine leukocytes with natural killer cell characteristics. European Journal of Immunology, 2004, 34, 669-676.	1.6	113
12	Existence of CD8Î±-Like Dendritic Cells with a Conserved Functional Specialization and a Common Molecular Signature in Distant Mammalian Species. Journal of Immunology, 2010, 185, 3313-3325.	0.4	107
13	Tuberculosis Immunity: Opportunities from Studies with Cattle. Clinical and Developmental Immunology, 2011, 2011, 1-11.	3.3	104
14	Vaccination of neonatal calves with Mycobacterium bovis BCG induces protection against intranasal challenge with virulent M. bovis. Clinical and Experimental Immunology, 2005, 139, 48-56.	1.1	95
15	Exposure to Mycobacterium avium induces low-level protection from Mycobacterium bovis infection but compromises diagnosis of disease in cattle. Clinical and Experimental Immunology, 2005, 141, 432-439.	1.1	90
16	Bovine Î³Î´ T Cells Are a Major Regulatory T Cell Subset. Journal of Immunology, 2014, 193, 208-222.	0.4	90
17	Dietary-induced negative energy balance has minimal effects on innate immunity during a Streptococcus uberis mastitis challenge in dairy cows during midlactation. Journal of Dairy Science, 2009, 92, 4301-4316.	1.4	87
18	Autophagy in the immune response to tuberculosis: clinical perspectives. Clinical and Experimental Immunology, 2011, 164, 291-300.	1.1	76

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19	Bovine NK Cells Can Produce Gamma Interferon in Response to the Secreted Mycobacterial Proteins ESAT-6 and MPP14 but Not in Response to MPB70. Infection and Immunity, 2005, 73, 5628-5635.	1.0	75
20	DEC-205 expression on migrating dendritic cells in afferent lymph. Immunology, 2004, 111, 262-272.	2.0	69
21	Differential effects of bovine viral diarrhoea virus on monocytes and dendritic cells. Journal of General Virology, 2003, 84, 1771-1780.	1.3	64
22	The bovine innate immune response during experimentally-induced Pseudomonas aeruginosa mastitis. Veterinary Immunology and Immunopathology, 2005, 107, 201-215.	0.5	63
23	Th1â€“Th2 polarisation and autophagy in the control of intracellular mycobacteria by macrophages. Veterinary Immunology and Immunopathology, 2009, 128, 37-43.	0.5	59
24	Development of detection methods for ruminant interleukin (IL)-12. Journal of Immunological Methods, 2002, 266, 117-126.	0.6	58
25	Characterization of the Bovine Innate Immune Response to Intramammary Infection with Klebsiella pneumoniae. Journal of Dairy Science, 2004, 87, 2420-2432.	1.4	58
26	Plasmacytoid Dendritic Cells Migrate in Afferent Skin Lymph. Journal of Immunology, 2008, 180, 5963-5972.	0.4	58
27	Duration of Immunity against Mycobacterium bovis following Neonatal Vaccination with Bacillus Calmette-GuÃ©rin Danish: Significant Protection against Infection at 12, but Not 24, Months. Vaccine Journal, 2012, 19, 1254-1260.	3.2	58
28	Bovine Î³Î´ T cells: Cells with multiple functions and important roles in immunity. Veterinary Immunology and Immunopathology, 2012, 148, 161-167.	0.5	58
29	DNA-Encoded Fetal Liver Tyrosine Kinase 3 Ligand and Granulocyte Macrophage-Colony-Stimulating Factor Increase Dendritic Cell Recruitment to the Inoculation Site and Enhance Antigen-Specific CD4+ T Cell Responses Induced by DNA Vaccination of Outbred Animals. Journal of Immunology, 2002, 169, 3837-3846.	0.4	56
30	Alpha/Beta and Gamma Interferons Are Induced by Infection with Noncytopathic Bovine Viral Diarrhea Virus In Vivo. Journal of Virology, 2002, 76, 923-927.	1.5	54
31	Interaction of antigen presenting cells with mycobacteria. Veterinary Immunology and Immunopathology, 2004, 100, 187-195.	0.5	54
32	Fasciola hepatica and Fasciola gigantica: Comparison of cellular response to experimental infection in sheep. Experimental Parasitology, 2005, 111, 154-159.	0.5	54
33	Dendritic Cells Induce CD4+ and CD8+ T-Cell Responses to Mycobacterium bovis and M. avium Antigens in Bacille Calmette Guerin Vaccinated and Nonvaccinated Cattle. Scandinavian Journal of Immunology, 2000, 52, 285-291.	1.3	53
34	Identification of Surrogates and Correlates of Protection in Protective Immunity against Mycobacterium bovis Infection Induced in Neonatal Calves by Vaccination with M. bovis BCG Pasteur and M. bovis BCG Danish. Vaccine Journal, 2011, 18, 373-379.	3.2	52
35	Phenotypic and functional analysis of monocyte populations in cattle peripheral blood identifies a subset with high endocytic and allogeneic T-cell stimulatory capacity. Veterinary Research, 2015, 46, 112.	1.1	49
36	Rapid and Long-Term Disappearance of CD4+ T Lymphocyte Responses Specific for Anaplasma Marginale Major Surface Protein-2 (MSP2) in MSP2 Vaccinates following Challenge with Live A. marginale. Journal of Immunology, 2005, 174, 6702-6715.	0.4	45

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37	The Double-Stranded RNA Bluetongue Virus Induces Type I Interferon in Plasmacytoid Dendritic Cells via a MYD88-Dependent TLR7/8-Independent Signaling Pathway. Journal of Virology, 2012, 86, 5817-5828.	1.5	45
38	Dendritic cells in cattle: phenotype and function. Veterinary Immunology and Immunopathology, 1999, 72, 119-124.	0.5	43
39	CpG ODN 2006 and IL-12 are comparable for priming Th1 lymphocyte and IgG responses in cattle immunized with a rickettsial outer membrane protein in alum. Vaccine, 2003, 21, 3307-3318.	1.7	43
40	Development of detection methods for ruminant interleukin (IL)-4. Journal of Immunological Methods, 2005, 301, 114-123.	0.6	43
41	Enhanced secretion of interferonâ€Î³ by bovine Î³Î´ T cells induced by coculture with Mycobacterium bovisâ€infected dendritic cells: evidence for reciprocal activating signals. Immunology, 2009, 126, 201-208.	2.0	43
42	Mycobacterium bovis shedding patterns from experimentally infected calves and the effect of concurrent infection with bovine viral diarrhoea virus. Journal of the Royal Society Interface, 2007, 4, 545-551.	1.5	42
43	The effect of repeated tuberculin skin testing of cattle on immune responses and disease following experimental infection with Mycobacterium bovis. Veterinary Immunology and Immunopathology, 2004, 102, 399-412.	0.5	41
44	Differential distribution of WC1+ Î³Î´ TCR+ T lymphocyte subsets within lymphoid tissues of the head and respiratory tract and effects of intranasal M. bovis BCG vaccination. Veterinary Immunology and Immunopathology, 2010, 136, 133-137.	0.5	41
45	The role of dendritic cells in shaping the immune response. Animal Health Research Reviews, 2004, 5, 191-195.	1.4	40
46	Anaplasma marginale Major Surface Protein 2 CD4 + -T-Cell Epitopes Are Evenly Distributed in Conserved and Hypervariable Regions (HVR), Whereas Linear B-Cell Epitopes Are Predominantly Located in the HVR. Infection and Immunity, 2004, 72, 7360-7366.	1.0	40
47	Deficiency of IL-2 or IL-6 reduces lymphocyte proliferation, but only IL-6 deficiency decreases the contact hypersensitivity response. European Journal of Immunology, 2000, 30, 197-203.	1.6	38
48	The effect of tuberculin testing on the development of cell-mediated immune responses during Mycobacterium bovis infection. Veterinary Immunology and Immunopathology, 2006, 114, 25-36.	0.5	38
49	Isolation and purification of afferent lymph dendritic cells that drain the skin of cattle. Nature Protocols, 2006, 1, 982-987.	5.5	38
50	Differential Effects of Viral Vectors on Migratory Afferent Lymph Dendritic CellsIn VitroPredict Enhanced ImmunogenicityIn Vivo. Journal of Virology, 2011, 85, 9385-9394.	1.5	38
51	Flt-3 Ligand, in Combination with Bovine Granulocyte-Macrophage Colony-Stimulating Factor and Interleukin-4, Promotes the Growth of Bovine Bone Marrow Derived Dendritic Cells. Scandinavian Journal of Immunology, 2000, 51, 60-66.	1.3	36
52	CD205 antigen targeting combined with dendritic cell recruitment factors and antigen-linked CD40L activation primes and expands significant antigen-specific antibody and CD4+ T cell responses following DNA vaccination of outbred animals. Vaccine, 2012, 30, 1624-1635.	1.7	36
53	Autophagy and the Immune Response to TB. Transboundary and Emerging Diseases, 2009, 56, 248-254.	1.3	35
54	Modified Vaccinia Virus Ankara-Based Vaccine Vectors Induce Apoptosis in Dendritic Cells Draining from the Skin via both the Extrinsic and Intrinsic Caspase Pathways, Preventing Efficient Antigen Presentation. Journal of Virology, 2012, 86, 5452-5466.	1.5	35

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55	Dendritic cells, implications on function from studies of the afferent lymph veiled cell. Veterinary Immunology and Immunopathology, 2000, 77, 1-13.	0.5	34
56	NKp46+CD3+ Cells: A Novel Nonconventional T Cell Subset in Cattle Exhibiting Both NK Cell and T Cell Features. Journal of Immunology, 2014, 192, 3868-3880.	0.4	34
57	NK-like CD8(+) cells in immunologically naÃ¯ve neonatal calves that respond to dendritic cells infected with Mycobacterium bovis BCG. Journal of Leukocyte Biology, 2002, 71, 184-94.	1.5	34
58	Bovine TB and the development of new vaccines. Comparative Immunology, Microbiology and Infectious Diseases, 2008, 31, 77-100.	0.7	33
59	Workshop cluster 1+?? T-cell receptor+T cells from calves express high levels of interferon-? in response to stimulation with interleukin-12 and -18. Immunology, 2007, 120, 57-65.	2.0	32
60	Differences in the induction of CD8+ T cell responses by subpopulations of dendritic cells from afferent lymph are related to IL-1 alpha secretion. Journal of Leukocyte Biology, 2001, 69, 271-9.	1.5	32
61	Masking of two in vitro immunological assays for Mycobacterium bovis (BCG) in calves acutely infected with nonâ€cytopathic bovine viral diarrhoea virus. Veterinary Record, 2001, 149, 481-484.	0.2	31
62	Exposure to Mycobacterium avium primes the immune system of calves for vaccination with Mycobacterium bovis BCG. Clinical and Experimental Immunology, 2002, 130, 190-195.	1.1	30
63	Consequence of prior exposure to environmental mycobacteria on BCG vaccination and diagnosis of tuberculosis infection. Tuberculosis, 2008, 88, 324-334.	0.8	30
64	Tools and reagents for caprine immunology. Small Ruminant Research, 2012, 103, 23-27.	0.6	30
65	Modulation of the Bovine Delayed-Type Hypersensitivity Responses to Defined Mycobacterial Antigens by a Synthetic Bacterial Lipopeptide. Infection and Immunity, 2003, 71, 6420-6420.	1.0	29
66	Tuberculosis due toMycobacterium bovisin pet cats associated with feeding a commercial raw food diet. Journal of Feline Medicine and Surgery, 2019, 21, 667-681.	0.6	28
67	Antigen-specific peripheral immune responses are unaltered during normal pregnancy in sheep. Journal of Reproductive Immunology, 2008, 77, 171-178.	0.8	27
68	Foot-and-Mouth Disease Virus Exhibits an Altered Tropism in the Presence of Specific Immunoglobulins, Enabling Productive Infection and Killing of Dendritic Cells. Journal of Virology, 2011, 85, 2212-2223.	1.5	26
69	Identification of dendritic cells as a major source of interleukin-6 in draining lymph nodes following skin sensitization of mice. Immunology, 1995, 86, 441-7.	2.0	25
70	Maturation of bovine dendritic cells by lipopeptides. Veterinary Immunology and Immunopathology, 2003, 95, 21-31.	0.5	24
71	Interleukin-6 Production by Draining Lymph Node Cells following Primary Contact Sensitisation of Mice: Relationship to the Proliferative Response. International Archives of Allergy and Immunology, 1994, 103, 378-383.	0.9	22
72	DNA Vaccine Construct Incorporating Intercellular Trafficking and Intracellular Targeting Motifs Effectively Primes and Induces Memory B- and T-Cell Responses in Outbred Animals. Vaccine Journal, 2007, 14, 304-311.	3.2	22

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73	Natural killer cell number and phenotype in bovine peripheral blood is influenced by age. Veterinary Immunology and Immunopathology, 2009, 132, 101-108.	0.5	22
74	Production and characterization of two monoclonal antibodies to bovine tumour necrosis factor alpha (TNF-Î±) and their cross-reactivity with ovine TNF-Î±. Veterinary Immunology and Immunopathology, 2010, 135, 320-324.	0.5	22
75	Migratory sub-populations of afferent lymphatic dendritic cells differ in their interactions with Mycobacterium bovis Bacille Calmette Guerin. Vaccine, 2012, 30, 2357-2367.	1.7	22
76	An outbreak of tuberculosis due toMycobacterium bovisinfection in a pack of English Foxhounds (2016-2017). Transboundary and Emerging Diseases, 2018, 65, 1872-1884.	1.3	22
77	Vaccines for bovine tuberculosis: current views and future prospects. Expert Review of Vaccines, 2005, 4, 891-903.	2.0	20
78	Characterization of a Phenotypically Unique Population of CD13 + Dendritic Cells Resident in the Spleen. Vaccine Journal, 2006, 13, 1064-1069.	3.2	20
79	BCG vaccination of neonatal calves: Potential roles for innate immune cells in the induction of protective immunity. Comparative Immunology, Microbiology and Infectious Diseases, 2012, 35, 219-226.	0.7	19
80	The kinetics of cytokine production by draining lymph node cells following primary exposure of mice to chemical allergens. Immunology, 1994, 83, 250-5.	2.0	19
81	Role of bovine chemokines produced by dendritic cells in respiratory syncytial virus-induced T cell proliferation. Veterinary Immunology and Immunopathology, 2002, 87, 225-233.	0.5	18
82	Mycobacterium avium ssp. paratuberculosis Recombinant Heat Shock Protein 70 Interaction with Different Bovine Antigen-Presenting Cells. Scandinavian Journal of Immunology, 2005, 61, 242-250.	1.3	17
83	Humoral and cellular immune responses to Fasciola gigantica experimental infection in buffaloes. Research in Veterinary Science, 2006, 80, 299-307.	0.9	17
84	Immunity, safety and protection of an Adenovirus 5 prime - Modified Vaccinia virus Ankara boost subunit vaccine against Mycobacterium avium subspecies paratuberculosis infection in calves. Veterinary Research, 2014, 45, 112.	1.1	17
85	Enhancing the toolbox to study IL-17A in cattle and sheep. Veterinary Research, 2017, 48, 20.	1.1	17
86	Differential recruitment and activation of natural killer cell subâ€populations by Mycobacterium bovisâ€infected dendritic cells. European Journal of Immunology, 2013, 43, 159-169.	1.6	16
87	Breadth of the CD4+ T cell response to Anaplasma marginale VirB9-1, VirB9-2 and VirB10 and MHC class II DR and DQ restriction elements. Immunogenetics, 2012, 64, 507-523.	1.2	15
88	Interactions between natural killer cells and dendritic cells favour T helper1-type responses to BCG in calves. Veterinary Research, 2016, 47, 85.	1.1	15
89	Nature and consequences of interactions between Salmonella enterica serovar Dublin and host cells in cattle. Veterinary Research, 2019, 50, 99.	1.1	15
90	Single-cell analysis divides bovine monocyte-derived dendritic cells into subsets expressing either high or low levels of inducible nitric oxide synthase. Veterinary Immunology and Immunopathology, 2006, 114, 1-14.	0.5	14

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91	Flow Cytometric Detection of Gamma Interferon Can Effectively Discriminate Mycobacterium bovis BCG-Vaccinated Cattle from M. bovis-Infected Cattle. Vaccine Journal, 2006, 13, 1343-1348.	3.2	14
92	Characterisation of antibodies to bovine toll-like receptor (TLR)-2 and cross-reactivity with ovine TLR2. Veterinary Immunology and Immunopathology, 2011, 139, 313-318.	0.5	13
93	Co-stimulation and modulation of the ensuing immune response. Veterinary Immunology and Immunopathology, 2002, 87, 123-130.	0.5	12
94	Development of a simple, sensitive, rapid test which discriminates BCG-vaccinated from Mycobacterium bovis-infected cattle. Vaccine, 2008, 26, 5470-5476.	1.7	12
95	Cytotoxicity and cytokine production by bovine alveolar macrophages challenged with wild type and leukotoxin-deficient Mannheimia haemolytica. Veterinary Journal, 2011, 188, 221-227.	0.6	11
96	Dendritic Cell Subtypes from Lymph Nodes and Blood Show Contrasted Gene Expression Programs upon Bluetongue Virus Infection. Journal of Virology, 2013, 87, 9333-9343.	1.5	11
97	Frequency and phenotype of natural killer cells and natural killer cell subsets in bovine lymphoid compartments and blood. Immunology, 2017, 151, 89-97.	2.0	10
98	Subset-Specific Expression of Toll-Like Receptors by Bovine Afferent Lymph Dendritic Cells. Frontiers in Veterinary Science, 2017, 4, 44.	0.9	10
99	Relative quantitative kinetics of interferon-gamma and interleukin-10 mRNA and protein production by activated ovine peripheral blood mononuclear cells. Veterinary Immunology and Immunopathology, 2010, 136, 34-42.	0.5	9
100	Natural Killer Cells in Afferent Lymph Express an Activated Phenotype and Readily Produce IFN-Î³. Frontiers in Immunology, 2013, 4, 395.	2.2	9
101	Cytokine and Chemokine Concentrations as Biomarkers of Feline Mycobacteriosis. Scientific Reports, 2018, 8, 17314.	1.6	7
102	Inhibition of Antigen-Specific and Nonspecific Stimulation of Bovine T and B Cells by Lymphostatin from Attaching and Effacing Escherichia coli. Infection and Immunity, 2017, 85, .	1.0	6
103	Diagnostic accuracy of the interferon-gamma release assay (IGRA) for cases of feline mycobacteriosis. Preventive Veterinary Medicine, 2021, 193, 105409.	0.7	6
104	Migration of Interleukin-6 Producing Langerhans Cells to Draining Lymph Nodes following Skin Sensitization. Advances in Experimental Medicine and Biology, 1995, 378, 531-533.	0.8	6
105	Antigen-induced unresponsiveness in contact sensitivity: association of depressed T lymphocyte proliferative responses with decreased interleukin 6 secretion. Immunology Letters, 1996, 50, 29-34.	1.1	3
106	Ocular Tuberculosis: More than â€˜Of Mice and Menâ€™. Ocular Immunology and Inflammation, 2020, , 1-5.	1.0	3
107	Anatomical distribution of respiratory tract leukocyte cell subsets in neonatal calves. Veterinary Immunology and Immunopathology, 2020, 227, 110090.	0.5	2
108	Transduction of skin-migrating dendritic cells by human adenovirus 5 occurs via an actin-dependent phagocytic pathway. Journal of General Virology, 2016, 97, 2703-2718.	1.3	2

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109	Protein Levels of Pro-Inflammatory Cytokines and Chemokines as Biomarkers of Mycobacterium bovis Infection and BCG Vaccination in Cattle. Pathogens, 2022, 11, 738.	1.2	2
110	Serial Interferon-Gamma Release Assay (IGRA) Testing to Monitor Treatment Responses in Cases of Feline Mycobacteriosis. Pathogens, 2021, 10, 657.	1.2	1
111	Histological and immunohistochemical features suggesting aetiological differences in lymph node and (muco)cutaneous feline tuberculosis lesions. Journal of Small Animal Practice, 2022, 63, 174-187.	0.5	1
112	Recognition of recombinant interferon-gamma from Felidae species by anti-cat antibodies. Veterinary Immunology and Immunopathology, 2021, 241, 110327.	0.5	1
113	Deficiency of IL-2 or IL-6 reduces lymphocyte proliferation, but only IL-6 deficiency decreases the contact hypersensitivity response. , 2000, 30, 197.		1
114	Characterisation of dendritic cell frequency and phenotype in bovine afferent lymph reveals kinetic changes in costimulatory molecule expression. Veterinary Immunology and Immunopathology, 2022, 243, 110363.	0.5	1
115	The Immune System of Cattle. , 2016, , 532-537.		0
116	Ocular mycobacterial lesions in cats. Veterinary Pathology, 2022, , 030098582210984.	0.8	0