

# Douglas J Begg

## List of Publications by Year in descending order

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44  
papers

1,286  
citations

361045

20  
h-index

360668

35  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1291  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering Synthetic Lipopeptide Antigen for Specific Detection of Mycobacterium avium subsp. paratuberculosis Infection. <i>Frontiers in Veterinary Science</i> , 2021, 8, 637841.	0.9	5
2	The humoral immune response is essential for successful vaccine protection against paratuberculosis in sheep. <i>BMC Veterinary Research</i> , 2019, 15, 223.	0.7	18
3	Gene expression profiles during subclinical Mycobacterium avium subspecies paratuberculosis infection in sheep can predict disease outcome. <i>Scientific Reports</i> , 2019, 9, 8245.	1.6	21
4	Immunopathological changes and apparent recovery from infection revealed in cattle in an experimental model of Johne's disease using a lyophilised culture of Mycobacterium avium subspecies paratuberculosis. <i>Veterinary Microbiology</i> , 2018, 219, 53-62.	0.8	22
5	Defining resilience to mycobacterial disease: Characteristics of survivors of ovine paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2018, 195, 56-64.	0.5	19
6	Integrated vaccine screening system: using cellular functional capacity in vitro to assess genuine vaccine protectiveness in ruminants. <i>Pathogens and Disease</i> , 2018, 76, .	0.8	5
7	A national serosurvey to determine the prevalence of paratuberculosis in cattle in Bhutan following detection of clinical cases. <i>Veterinary Medicine and Science</i> , 2018, 4, 288-295.	0.6	4
8	Evaluation of the limitations and methods to improve rapid phage-based detection of viable Mycobacterium avium subsp. paratuberculosis in the blood of experimentally infected cattle. <i>BMC Veterinary Research</i> , 2016, 12, 115.	0.7	14
9	Experimental infection of New Zealand Merino sheep with a suspension of Mycobacterium avium subspecies paratuberculosis ( Map ) strain Telford: Kinetics of the immune response, histopathology and Map culture. <i>Veterinary Microbiology</i> , 2016, 195, 136-143.	0.8	3
10	A Rapid Method for Quantifying Viable Mycobacterium avium subsp. paratuberculosis in Cellular Infection Assays. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5553-5562.	1.4	20
11	Efficient, Validated Method for Detection of Mycobacterial Growth in Liquid Culture Media by Use of Bead Beating, Magnetic-Particle-Based Nucleic Acid Isolation, and Quantitative PCR. <i>Journal of Clinical Microbiology</i> , 2015, 53, 1121-1128.	1.8	22
12	Macrophage polarization in cattle experimentally exposed to Mycobacterium avium subsp. paratuberculosis. <i>Pathogens and Disease</i> , 2015, 73, ftv085.	0.8	41
13	CD4+ T-cells, $\gamma\delta$ T-cells and B-cells are associated with lack of vaccine protection in Mycobacterium avium subspecies paratuberculosis infection. <i>Vaccine</i> , 2015, 33, 149-155.	1.7	19
14	Cellular and humoral immune responses in sheep vaccinated with candidate antigens MAP2698c and MAP3567 from Mycobacterium avium subspecies paratuberculosis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2014, 4, 93.	1.8	10
15	Environmental Survival of Mycobacterium avium subsp. paratuberculosis in Different Climatic Zones of Eastern Australia. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2337-2342.	1.4	27
16	Antigenicity in sheep of synthetic peptides derived from stress-regulated Mycobacterium avium subsp. paratuberculosis proteins and comparison with recombinant protein and complex native antigens. <i>Veterinary Immunology and Immunopathology</i> , 2014, 158, 46-52.	0.5	2
17	Lymphoproliferative and Gamma Interferon Responses to Stress-Regulated Mycobacterium avium subsp. paratuberculosis Recombinant Proteins. <i>Vaccine Journal</i> , 2014, 21, 831-837.	3.2	8
18	High-Throughput Direct Fecal PCR Assay for Detection of Mycobacterium avium subsp. paratuberculosis in Sheep and Cattle. <i>Journal of Clinical Microbiology</i> , 2014, 52, 745-757.	1.8	76

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19	Expression of genes associated with cholesterol and lipid metabolism identified as a novel pathway in the early pathogenesis of Mycobacterium avium subspecies paratuberculosis-infection in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 147-157.	0.5	24
20	Immunoreactivity of protein tyrosine phosphatase A (PtpA) in sera from sheep infected with Mycobacterium avium subspecies paratuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2014, 160, 129-132.	0.5	4
21	Apoptosis of lymph node and peripheral blood cells in ovine Johne's disease. <i>Veterinary Immunology and Immunopathology</i> , 2013, 156, 82-90.	0.5	2
22	Can early host responses to mycobacterial infection predict eventual disease outcomes?. <i>Preventive Veterinary Medicine</i> , 2013, 112, 203-212.	0.7	37
23	Tissue localisation of Mycobacterium avium subspecies paratuberculosis following artificially induced intracellular and naked bacteraemia. <i>Veterinary Microbiology</i> , 2013, 162, 112-118.	0.8	5
24	Antigenicity of Recombinant Maltose Binding Protein-Mycobacterium avium subsp. paratuberculosis Fusion Proteins with and without Factor Xa Cleaving. <i>Vaccine Journal</i> , 2013, 20, 1817-1826.	3.2	8
25	Development and Validation of a Liquid Medium (M7H9C) for Routine Culture of Mycobacterium avium subsp. paratuberculosis To Replace Modified Bactec 12B Medium. <i>Journal of Clinical Microbiology</i> , 2013, 51, 3993-4000.	1.8	52
26	<i>In Silico</i> Identification of Epitopes in Mycobacterium avium subsp. paratuberculosis Proteins That Were Upregulated under Stress Conditions. <i>Vaccine Journal</i> , 2012, 19, 855-864.	3.2	27
27	Comparative immunological and microbiological aspects of paratuberculosis as a model mycobacterial infection. <i>Veterinary Immunology and Immunopathology</i> , 2012, 148, 29-47.	0.5	310
28	Enhancement of the interferon gamma assay to detect paratuberculosis using interleukin-7 and interleukin-12 potentiation. <i>Veterinary Immunology and Immunopathology</i> , 2012, 149, 28-37.	0.5	11
29	In silico screened Mycobacterium avium subsp. paratuberculosis (MAP) recombinant proteins upregulated under stress conditions are immunogenic in sheep. <i>Veterinary Immunology and Immunopathology</i> , 2012, 149, 186-196.	0.5	12
30	Expression of genes associated with the antigen presentation and processing pathway are consistently regulated in early Mycobacterium avium subsp. paratuberculosis infection. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2012, 35, 151-162.	0.7	40
31	Indoleamine 2,3-Dioxygenase, Tryptophan Catabolism, and Mycobacterium avium subsp. paratuberculosis: a Model for Chronic Mycobacterial Infections. <i>Infection and Immunity</i> , 2011, 79, 3821-3832.	1.0	32
32	The interleukin 10 response in ovine Johne's disease. <i>Veterinary Immunology and Immunopathology</i> , 2011, 139, 10-16.	0.5	29
33	Culture of Mycobacterium avium subspecies paratuberculosis (MAP) from blood and extra-intestinal tissues in experimentally infected sheep. <i>Veterinary Microbiology</i> , 2011, 147, 127-132.	0.8	21
34	A longitudinal study to evaluate the diagnostic potential of a direct faecal quantitative PCR test for Johne's disease in sheep. <i>Veterinary Microbiology</i> , 2011, 148, 35-44.	0.8	19
35	Candidate gene and genome-wide association studies of Mycobacterium avium subsp. paratuberculosis infection in cattle and sheep: A review. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2011, 34, 197-208.	0.7	45
36	Experimental infection model for Johne's disease using a lyophilised, pure culture, seedstock of Mycobacterium avium subspecies paratuberculosis. <i>Veterinary Microbiology</i> , 2010, 141, 301-311.	0.8	57

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37	Optimization of a Whole Blood Gamma Interferon Assay for the Detection of Sheep Infected with <i>Mycobacterium Avium</i> Subspecies <i>Paratuberculosis</i> . <i>Journal of Veterinary Diagnostic Investigation</i> , 2010, 22, 210-217.	0.5	7
38	Optimisation of culture of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> from blood samples. <i>Journal of Microbiological Methods</i> , 2010, 80, 93-99.	0.7	11
39	The early lymphocyte proliferation response in sheep exposed to <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> compared to infection status. <i>Immunobiology</i> , 2010, 215, 12-25.	0.8	32
40	Toll-like receptor (TLR)6 and TLR1 differentiation in gene expression studies of Johne's disease. <i>Veterinary Immunology and Immunopathology</i> , 2010, 137, 142-148.	0.5	23
41	Enzyme-Linked Immunospot: An Alternative Method for the Detection of Interferon Gamma in Johne's Disease. <i>Journal of Veterinary Diagnostic Investigation</i> , 2009, 21, 187-196.	0.5	21
42	Experimental animal infection models for Johne's disease, an infectious enteropathy caused by <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>Veterinary Journal</i> , 2008, 176, 129-145.	0.6	69
43	Toll-like receptor genes are differentially expressed at the sites of infection during the progression of Johne's disease in outbred sheep. <i>Veterinary Immunology and Immunopathology</i> , 2008, 124, 132-151.	0.5	47
44	Normal levels of immunocompetence in possums ( <i>Trichosurus vulpecula</i> ) exposed to different laboratory housing conditions post capture. <i>Immunology and Cell Biology</i> , 2004, 82, 253-256.	1.0	4