

Michael T Collins

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77
papers

2,779
citations

30
h-index

50
g-index

77
ext. papers

3,045
ext. citations

4.2
avg, IF

4.91
L-index

#	Paper	IF	Citations
77	Conditional dependence between tests affects the diagnosis and surveillance of animal diseases. <i>Preventive Veterinary Medicine</i> , 2000 , 45, 107-22	3.1	259
76	Evaluation of five antibody detection tests for diagnosis of bovine paratuberculosis. <i>Vaccine Journal</i> , 2005 , 12, 685-92		200
75	Thermal tolerance of <i>Mycobacterium paratuberculosis</i> . <i>Applied and Environmental Microbiology</i> , 1998 , 64, 999-1005	4.8	136
74	Consensus recommendations on diagnostic testing for the detection of paratuberculosis in cattle in the United States. <i>Journal of the American Veterinary Medical Association</i> , 2006 , 229, 1912-9	1	127
73	Diagnosis of paratuberculosis. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 1996 , 12, 357-71	4.6	106
72	Results of multiple diagnostic tests for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in patients with inflammatory bowel disease and in controls. <i>Journal of Clinical Microbiology</i> , 2000 , 38, 4373-81	9.7	104
71	Population-based case control study of seroprevalence of <i>Mycobacterium paratuberculosis</i> in patients with Crohn's disease and ulcerative colitis. <i>Journal of Clinical Microbiology</i> , 2004 , 42, 1129-35	9.7	87
70	Evaluation of a rapid fecal PCR test for detection of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in dairy cattle. <i>Vaccine Journal</i> , 2006 , 13, 1125-30		64
69	Emerging pathogens: is <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> zoonotic?. <i>Lancet, The</i> , 2004 , 364, 396-7	4.0	64
68	Consensus-based reporting standards for diagnostic test accuracy studies for paratuberculosis in ruminants. <i>Preventive Veterinary Medicine</i> , 2011 , 101, 18-34	3.1	59
67	Decision analysis model for paratuberculosis control in commercial dairy herds. <i>Preventive Veterinary Medicine</i> , 2006 , 75, 92-122	3.1	57
66	The Consensus from the (MAP) Conference 2017. <i>Frontiers in Public Health</i> , 2017 , 5, 208	6	56
65	<i>Mycobacterium paratuberculosis</i> : a potential food-borne pathogen?. <i>Journal of Dairy Science</i> , 1997 , 80, 3445-8	4	56
64	Frequentist and Bayesian approaches to prevalence estimation using examples from Johne's disease. <i>Animal Health Research Reviews</i> , 2008 , 9, 1-23	2.1	56
63	Thiopurine drugs azathioprine and 6-mercaptopurine inhibit <i>Mycobacterium paratuberculosis</i> growth in vitro. <i>Antimicrobial Agents and Chemotherapy</i> , 2008 , 52, 418-26	5.9	56
62	Efficient differentiation of <i>Mycobacterium avium</i> complex species and subspecies by use of five-target multiplex PCR. <i>Journal of Clinical Microbiology</i> , 2010 , 48, 4057-62	9.7	53
61	Effect of three factors in cheese production (pH, salt, and heat) on <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> viability. <i>Applied and Environmental Microbiology</i> , 2000 , 66, 1334-9	4.8	50

60	Rapid and reliable method for quantification of <i>Mycobacterium paratuberculosis</i> by use of the BACTEC MGIT 960 system. <i>Journal of Clinical Microbiology</i> , 2007 , 45, 1941-8	9.7	49
59	Bayesian inferences for receiver operating characteristic curves in the absence of a gold standard. <i>Journal of Agricultural, Biological, and Environmental Statistics</i> , 2006 , 11, 210-229	1.9	48
58	Pathogenesis, Molecular Genetics, and Genomics of subsp. , the Etiologic Agent of Johne's Disease. <i>Frontiers in Veterinary Science</i> , 2017 , 4, 187	3.1	45
57	Contribution of environmental mycobacteria to false-positive serum ELISA results for paratuberculosis. <i>Journal of the American Veterinary Medical Association</i> , 2007 , 230, 896-901	1	42
56	Exploring the role of <i>Mycobacterium avium</i> subspecies paratuberculosis in the pathogenesis of type 1 diabetes mellitus: a pilot study. <i>Gut Pathogens</i> , 2013 , 5, 14	5.4	41
55	Variation in resistance of <i>Mycobacterium paratuberculosis</i> to acid environments as a function of culture medium. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 6833-40	4.8	39
54	Cloning, expression, purification and serodiagnostic evaluation of fourteen <i>Mycobacterium paratuberculosis</i> proteins. <i>Protein Expression and Purification</i> , 2007 , 53, 411-20	2	37
53	Identification of proteins of potential diagnostic value for bovine paratuberculosis. <i>Proteomics</i> , 2006 , 6, 5785-94	4.8	37
52	In vitro antimicrobial activities of capuramycin analogues against non-tuberculous mycobacteria. <i>Journal of Antimicrobial Chemotherapy</i> , 2010 , 65, 2590-7	5.1	36
51	Genome-wide association analysis and genomic prediction of <i>Mycobacterium avium</i> subspecies paratuberculosis infection in US Jersey cattle. <i>PLoS ONE</i> , 2014 , 9, e88380	3.7	36
50	<i>Mycobacterium avium</i> subsp. paratuberculosis fibronectin attachment protein activates dendritic cells and induces a Th1 polarization. <i>Infection and Immunity</i> , 2009 , 77, 2979-88	3.7	33
49	Diagnosis of bovine paratuberculosis by a novel enzyme-linked immunosorbent assay based on early secreted antigens of <i>Mycobacterium avium</i> subsp. paratuberculosis. <i>Vaccine Journal</i> , 2008 , 15, 1277-81		33
48	Simulation model of paratuberculosis control in a dairy herd. <i>Preventive Veterinary Medicine</i> , 1992 , 14, 21-32	3.1	31
47	Genome-wide association study of susceptibility to infection by <i>Mycobacterium avium</i> subspecies paratuberculosis in Holstein cattle. <i>PLoS ONE</i> , 2014 , 9, e111704	3.7	30
46	Inability to detect mycobactin in mycobacteria-infected tissues suggests an alternative iron acquisition mechanism by mycobacteria in vivo. <i>Microbial Pathogenesis</i> , 1993 , 14, 229-38	3.8	30
45	Diagnosis of paratuberculosis. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2011 , 27, 581-91, vi	4.6	29
44	Comparison of the proteosomes and antigenicities of secreted and cellular proteins produced by <i>Mycobacterium paratuberculosis</i> . <i>Vaccine Journal</i> , 2006 , 13, 1155-61		27
43	Association of fecal shedding of mycobacteria with high ELISA-determined seroprevalence for paratuberculosis in beef herds. <i>Journal of the American Veterinary Medical Association</i> , 2007 , 230, 890-5 ¹		27

42	Culture of <i>Mycobacterium avium</i> subspecies paratuberculosis (MAP) from the Blood of Patients with Crohn's disease: A Follow-Up Blind Multi Center Investigation. <i>The Open Inflammation Journal</i> , 2009 , 2, 22-23	5	27
41	Diagnostic testing patterns of natural <i>Mycobacterium paratuberculosis</i> infection in pygmy goats. <i>Canadian Journal of Veterinary Research</i> , 2003 , 67, 213-8		25
40	Comparison of three methods for susceptibility testing of <i>Mycobacterium avium</i> subsp. paratuberculosis to 11 antimicrobial drugs. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 64, 310-6	5.1	24
39	Testing the interaction between NOD-2 status and serological response to <i>Mycobacterium paratuberculosis</i> in cases of inflammatory bowel disease. <i>Journal of Clinical Microbiology</i> , 2007 , 45, 968-977	4.7	24
38	Performance of a Johne's disease enzyme-linked immunosorbent assay adapted for milk samples from goats. <i>Journal of Veterinary Diagnostic Investigation</i> , 2005 , 17, 350-4	1.5	24
37	A repository of specimens for comparison of diagnostic testing procedures for bovine paratuberculosis. <i>Journal of Veterinary Diagnostic Investigation</i> , 1992 , 4, 188-91	1.5	23
36	Environmental mycobacteria in soil and water on beef ranches: association between presence of cultivable mycobacteria and soil and water physicochemical characteristics. <i>Veterinary Microbiology</i> , 2007 , 124, 153-9	3.3	22
35	Diagnosis of paratuberculosis by fecal culture and ELISA on milk and serum samples in two types of Chilean dairy goat herds. <i>Journal of Veterinary Diagnostic Investigation</i> , 2007 , 19, 99-102	1.5	22
34	Effect of polyoxyethylene sorbate compounds (Tweens) on colonial morphology, growth, and ultrastructure of <i>Mycobacterium paratuberculosis</i> . <i>Apmis</i> , 1990 , 98, 901-8	3.4	22
33	Effects of interactions of antibacterial drugs with each other and with 6-mercaptopurine on in vitro growth of <i>Mycobacterium avium</i> subspecies paratuberculosis. <i>Journal of Antimicrobial Chemotherapy</i> , 2009 , 64, 1018-23	5.1	21
32	Effect of milk sample collection strategy on the sensitivity and specificity of bacteriologic culture and somatic cell count for detection of <i>Staphylococcus aureus</i> intramammary infection in dairy cattle. <i>Preventive Veterinary Medicine</i> , 1996 , 26, 1-8	3.1	21
31	Possible association of GroES and antigen 85 proteins with heat resistance of <i>Mycobacterium paratuberculosis</i> . <i>Applied and Environmental Microbiology</i> , 2004 , 70, 1688-97	4.8	20
30	Identification of seroreactive proteins in the culture filtrate antigen of <i>Mycobacterium avium</i> ssp. paratuberculosis human isolates to sera from Crohn's disease patients. <i>FEMS Immunology and Medical Microbiology</i> , 2010 , 58, 128-37		19
29	Resolution of Crohn's disease and complex regional pain syndrome following treatment of paratuberculosis. <i>World Journal of Gastroenterology</i> , 2015 , 21, 4048-62	5.6	18
28	Viable <i>Mycobacterium avium</i> ssp. paratuberculosis isolated from calf milk replacer. <i>Journal of Dairy Science</i> , 2017 , 100, 9723-9735	4	17
27	Effects of prevalence and testing by enzyme-linked immunosorbent assay and fecal culture on the risk of introduction of <i>Mycobacterium avium</i> subsp. paratuberculosis-infected cows into dairy herds. <i>Journal of Veterinary Diagnostic Investigation</i> , 2004 , 16, 31-8	1.5	17
26	An across-breed genome wide association analysis of susceptibility to paratuberculosis in dairy cattle. <i>Journal of Dairy Research</i> , 2017 , 84, 61-67	1.6	16
25	Evaluation of four commercial enzyme-linked immunosorbent assays for the diagnosis of bovine paratuberculosis in Chilean dairy herds. <i>Journal of Veterinary Diagnostic Investigation</i> , 2008 , 20, 329-32	1.5	16

24	Protein G binding to enriched serum immunoglobulin from nondomestic hoofstock species. <i>Journal of Veterinary Diagnostic Investigation</i> , 2003 , 15, 253-61	1.5	16
23	Food safety concerns regarding paratuberculosis. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2011 , 27, 631-6, vii-viii	4.6	15
22	Reproducibility of a commercial enzyme-linked immunosorbent assay for bovine paratuberculosis among eight laboratories. <i>Journal of Veterinary Diagnostic Investigation</i> , 1993 , 5, 52-5	1.5	15
21	Goat paratuberculosis in Chile: first isolation and confirmation of <i>Mycobacterium avium</i> subspecies paratuberculosis infection in a dairy goat. <i>Journal of Veterinary Diagnostic Investigation</i> , 2006 , 18, 476-9	1.5	14
20	A linear programming assessment of the profit from strategies to reduce the prevalence of <i>Staphylococcus aureus</i> mastitis. <i>Preventive Veterinary Medicine</i> , 1998 , 33, 183-93	3.1	11
19	Specificity of four serologic assays for <i>Mycobacterium avium</i> ss paratuberculosis in llamas and alpacas: a single herd study. <i>Journal of Veterinary Diagnostic Investigation</i> , 2000 , 12, 345-53	1.5	10
18	Adherence of <i>Bordetella bronchiseptica</i> and <i>Pasteurella multocida</i> to swine nasal ciliated epithelial cells in vitro. <i>Apmis</i> , 1990 , 98, 453-461	3.4	10
17	Rapid mycobacterial liquid culture-screening method for <i>Mycobacterium avium</i> complex based on secreted antigen-capture enzyme-linked immunosorbent assay. <i>Vaccine Journal</i> , 2009 , 16, 613-20		9
16	A multilaboratory evaluation of a commercial enzyme-linked immunosorbent assay test for the detection of antibodies against <i>Mycobacterium avium</i> subsp. paratuberculosis in cattle. <i>Journal of Veterinary Diagnostic Investigation</i> , 2004 , 16, 509-14	1.5	9
15	Crossed immunoelectrophoretic analysis of <i>Mycobacterium paratuberculosis</i> . <i>Apmis</i> , 1991 , 99, 83-92	3.4	9
14	Production of and applications for a polyclonal IgY diagnostic reagent specific for <i>Mycobacterium avium</i> subsp. paratuberculosis. <i>Journal of Microbiology</i> , 2009 , 47, 600-9	3	8
13	A model to determine sampling strategies and milk inoculum volume for detection of intramammary <i>Staphylococcus aureus</i> infections in dairy cattle by bacteriological culture. <i>Preventive Veterinary Medicine</i> , 1996 , 25, 343-355	3.1	8
12	Polymerase chain reaction-restriction fragment length polymorphism of the <i>rpoB</i> gene for identification of <i>Mycobacterium avium</i> subsp. paratuberculosis and differentiation of <i>Mycobacterium avium</i> subspecies. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011 , 70, 65-71	2.9	7
11	Evaluation of a bovine antibody test for diagnosing <i>Mycobacterium avium</i> complex in patients with cystic fibrosis. <i>Pediatric Pulmonology</i> , 2017 , 52, 34-40	3.5	5
10	B-cell epitope specificity of carboxy terminus of <i>Mycobacterium paratuberculosis</i> ModD. <i>Journal of Immunoassay and Immunochemistry</i> , 2010 , 31, 181-92	1.8	4
9	Familial associations with paratuberculosis ELISA results in Texas Longhorn cattle. <i>Veterinary Microbiology</i> , 2008 , 129, 131-8	3.3	3
8	A comparison of different challenge methods for induction of atrophic rhinitis in pigs. <i>Apmis</i> , 1990 , 98, 442-52	3.4	3
7	Corrigendum to "A linear programming assessment of the profit from strategies to reduce the prevalence of <i>Staphylococcus aureus</i> mastitis" [Prev. Vet. Med. 33 (1998) 183-193]. <i>Preventive Veterinary Medicine</i> , 2000 , 44, 61-71	3.1	2

6	Preface: Johne's Disease. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2011 , 27, xi-xii	4.6	1
5	Stability of antibacterial agents in MGIT Para TB Medium. <i>International Journal of Antimicrobial Agents</i> , 2009 , 33, 186-7	14.3	1
4	Proper estimation of sensitivity and specificity. <i>Vaccine Journal</i> , 2006 , 13, 1373; author reply 1373-4		1
3	Efficacy of a Modified Health Assessment Utilized on Two Genetically Distinct Stocks of Rainbow Trout. <i>Journal of Aquatic Animal Health</i> , 2020 , 32, 59-64	2.6	
2	Johne's Disease (Paratuberculosis) 2009 , 65-69		
1	Infectious Diseases: Johne's Disease 2022 , 331-338		