

Michael T Collins

List of Publications by Year in descending order

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77
papers

3,341
citations

136885

32
h-index

149623

56
g-index

77
all docs

77
docs citations

77
times ranked

2445
citing authors

#	ARTICLE	IF	CITATIONS
1	Conditional dependence between tests affects the diagnosis and surveillance of animal diseases. Preventive Veterinary Medicine, 2000, 45, 107-122.	0.7	303
2	Evaluation of Five Antibody Detection Tests for Diagnosis of Bovine Paratuberculosis. Vaccine Journal, 2005, 12, 685-692.	3.2	216
3	Thermal Tolerance of <i>Mycobacterium paratuberculosis</i> . Applied and Environmental Microbiology, 1998, 64, 999-1005.	1.4	159
4	Diagnosis of Paratuberculosis. Veterinary Clinics of North America - Food Animal Practice, 1996, 12, 357-371.	0.5	146
5	Consensus recommendations on diagnostic testing for the detection of paratuberculosis in cattle in the United States. Journal of the American Veterinary Medical Association, 2006, 229, 1912-1919.	0.2	140
6	Results of Multiple Diagnostic Tests for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in Patients with Inflammatory Bowel Disease and in Controls. Journal of Clinical Microbiology, 2000, 38, 4373-4381.	1.8	125
7	Population-Based Case Control Study of Seroprevalence of <i>Mycobacterium paratuberculosis</i> in Patients with Crohn's Disease and Ulcerative Colitis. Journal of Clinical Microbiology, 2004, 42, 1129-1135.	1.8	110
8	The Consensus from the <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> (MAP) Conference 2017. Frontiers in Public Health, 2017, 5, 208.	1.3	90
9	Rapid and Reliable Method for Quantification of <i>Mycobacterium paratuberculosis</i> by Use of the BACTEC MGIT 960 System. Journal of Clinical Microbiology, 2007, 45, 1941-1948.	1.8	75
10	Evaluation of a Rapid Fecal PCR Test for Detection of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> in Dairy Cattle. Vaccine Journal, 2006, 13, 1125-1130.	3.2	74
11	Frequentist and Bayesian approaches to prevalence estimation using examples from Johne's disease. Animal Health Research Reviews, 2008, 9, 1-23.	1.4	74
12	Emerging pathogens: is <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> zoonotic?. Lancet, The, 2004, 364, 396-397.	6.3	73
13	Pathogenesis, Molecular Genetics, and Genomics of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> , the Etiologic Agent of Johne's Disease. Frontiers in Veterinary Science, 2017, 4, 187.	0.9	73
14	Consensus-based reporting standards for diagnostic test accuracy studies for paratuberculosis in ruminants. Preventive Veterinary Medicine, 2011, 101, 18-34.	0.7	69
15	<i>Mycobacterium paratuberculosis</i> : A Potential Food-Borne Pathogen?. Journal of Dairy Science, 1997, 80, 3445-3448.	1.4	68
16	Bayesian inferences for receiver operating characteristic curves in the absence of a gold standard. Journal of Agricultural, Biological, and Environmental Statistics, 2006, 11, 210-229.	0.7	66
17	Thiopurine Drugs Azathioprine and 6-Mercaptopurine Inhibit <i>Mycobacterium paratuberculosis</i> Growth In Vitro. Antimicrobial Agents and Chemotherapy, 2008, 52, 418-426.	1.4	66
18	Effect of Three Factors in Cheese Production (pH, Salt, and Heat) on <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Viability. Applied and Environmental Microbiology, 2000, 66, 1334-1339.	1.4	65

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19	Decision analysis model for paratuberculosis control in commercial dairy herds. Preventive Veterinary Medicine, 2006, 75, 92-122.	0.7	63
20	Efficient Differentiation of <i>Mycobacterium avium</i> Complex Species and Subspecies by Use of Five-Target Multiplex PCR. Journal of Clinical Microbiology, 2010, 48, 4057-4062.	1.8	61
21	Exploring the role of <i>Mycobacterium avium</i> subspecies paratuberculosis in the pathogenesis of type 1 diabetes mellitus: a pilot study. Gut Pathogens, 2013, 5, 14.	1.6	49
22	Contribution of environmental mycobacteria to false-positive serum ELISA results for paratuberculosis. Journal of the American Veterinary Medical Association, 2007, 230, 896-901.	0.2	47
23	Genome-Wide Association Analysis and Genomic Prediction of <i>Mycobacterium avium</i> Subspecies paratuberculosis Infection in US Jersey Cattle. PLoS ONE, 2014, 9, e88380.	1.1	43
24	Variation in Resistance of <i>Mycobacterium paratuberculosis</i> to Acid Environments as a Function of Culture Medium. Applied and Environmental Microbiology, 2003, 69, 6833-6840.	1.4	42
25	In vitro antimicrobial activities of capuramycin analogues against non-tuberculous mycobacteria. Journal of Antimicrobial Chemotherapy, 2010, 65, 2590-2597.	1.3	42
26	Identification of proteins of potential diagnostic value for bovine paratuberculosis. Proteomics, 2006, 6, 5785-5794.	1.3	41
27	Cloning, expression, purification and serodiagnostic evaluation of fourteen <i>Mycobacterium paratuberculosis</i> proteins. Protein Expression and Purification, 2007, 53, 411-420.	0.6	41
28	<i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> Fibronectin Attachment Protein Activates Dendritic Cells and Induces a Th1 Polarization. Infection and Immunity, 2009, 77, 2979-2988.	1.0	41
29	Diagnosis of Bovine Paratuberculosis by a Novel Enzyme-Linked Immunosorbent Assay Based on Early Secreted Antigens of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . Vaccine Journal, 2008, 15, 1277-1281.	3.2	39
30	Genome-Wide Association Study of Susceptibility to Infection by <i>Mycobacterium avium</i> Subspecies paratuberculosis in Holstein Cattle. PLoS ONE, 2014, 9, e111704.	1.1	38
31	Simulation model of paratuberculosis control in a dairy herd. Preventive Veterinary Medicine, 1992, 14, 21-32.	0.7	37
32	Inability to detect mycobactin in <i>Mycobacteria</i> -infected tissues suggests an alternative iron acquisition mechanism by <i>Mycobacteria</i> in vivo. Microbial Pathogenesis, 1993, 14, 229-238.	1.3	34
33	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. The Open Inflammation Journal, 2009, 2, 22-23.	0.5	34
34	Diagnosis of Paratuberculosis. Veterinary Clinics of North America - Food Animal Practice, 2011, 27, 581-591.	0.5	33
35	Comparison of three methods for susceptibility testing of <i>Mycobacterium avium</i> subsp. paratuberculosis to 11 antimicrobial drugs. Journal of Antimicrobial Chemotherapy, 2009, 64, 310-316.	1.3	30
36	A Repository of Specimens for Comparison of Diagnostic Testing Procedures for Bovine Paratuberculosis. Journal of Veterinary Diagnostic Investigation, 1992, 4, 188-191.	0.5	28

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37	Comparison of the Proteosomes and Antigenicities of Secreted and Cellular Proteins Produced by <i>Mycobacterium paratuberculosis</i> . <i>Vaccine Journal</i> , 2006, 13, 1155-1161.	3.2	28
38	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, 968-971.	1.8	28
39	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, 890-895.	0.2	28
40	Effect of polyoxyethylene sorbate compounds (Tweens) on colonial morphology, growth, and ultrastructure of <i>Mycobacterium paratuberculosis</i> . <i>Apmis</i> , 1990, 98, 901-908.	0.9	27
41	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.	0.5	26
42	Resolution of Crohn's disease and complex regional pain syndrome following treatment of paratuberculosis. <i>World Journal of Gastroenterology</i> , 2015, 21, 4048.	1.4	26
43	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.	0.7	25
44	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, 350-354.	0.5	25
45	Diagnostic testing patterns of natural <i>Mycobacterium paratuberculosis</i> infection in pygmy goats. <i>Canadian Journal of Veterinary Research</i> , 2003, 67, 213-8.	1.1	25
46	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, 153-159.	0.8	23
47	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, 329-332.	0.5	23
48	Viable <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> isolated from calf milk replacer. <i>Journal of Dairy Science</i> , 2017, 100, 9723-9735.	1.4	23
49	Effects of interactions of antibacterial drugs with each other and with 6-mercaptopurine on in vitro growth of <i>Mycobacterium avium</i> subspecies <i>paratuberculosis</i> . <i>Journal of Antimicrobial Chemotherapy</i> , 2009, 64, 1018-1023.	1.3	22
50	Possible Association of GroES and Antigen 85 Proteins with Heat Resistance of <i>Mycobacterium paratuberculosis</i> . <i>Applied and Environmental Microbiology</i> , 2004, 70, 1688-1697.	1.4	21
51	Identification of seroreactive proteins in the culture filtrate antigen of <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> human isolates to sera from Crohn's disease patients. <i>FEMS Immunology and Medical Microbiology</i> , 2010, 58, 128-137.	2.7	21
52	Protein G Binding to Enriched Serum Immunoglobulin from Nondomestic Hoofstock Species. <i>Journal of Veterinary Diagnostic Investigation</i> , 2003, 15, 253-261.	0.5	20
53	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, 476-479.	0.5	19
54	An across-breed genome wide association analysis of susceptibility to paratuberculosis in dairy cattle. <i>Journal of Dairy Research</i> , 2017, 84, 61-67.	0.7	19

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55	Reproducibility of a Commercial Enzyme-Linked Immunosorbent Assay for Bovine Paratuberculosis among Eight Laboratories. <i>Journal of Veterinary Diagnostic Investigation</i> , 1993, 5, 52-55.	0.5	18
56	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, 183-193.	0.7	18
57	Effects of Prevalence and Testing by Enzyme-Linked Immunosorbent Assay and Fecal Culture on the Risk of Introduction of <i>Mycobacterium Avium</i> subsp. <i>Paratuberculosis</i> "Infected Cows into Dairy Herds. <i>Journal of Veterinary Diagnostic Investigation</i> , 2004, 16, 31-38.	0.5	18
58	Specificity of four Serologic Assays for <i>Mycobacterium Avium</i> ss <i>Paratuberculosis</i> in Llamas and Alpacas: A Single Herd Study. <i>Journal of Veterinary Diagnostic Investigation</i> , 2000, 12, 345-353.	0.5	16
59	Food Safety Concerns Regarding Paratuberculosis. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2011, 27, 631-636.	0.5	15
60	A Multilaboratory Evaluation of a Commercial Enzyme-Linked Immunosorbent Assay Test for the Detection of Antibodies against <i>Mycobacterium Avium</i> Subsp. <i>Paratuberculosis</i> in Cattle. <i>Journal of Veterinary Diagnostic Investigation</i> , 2004, 16, 509-514.	0.5	13
61	Adherence of <i>Bordetella bronchiseptica</i> and <i>Pasteurella multocida</i> to swine nasal ciliated epithelial cells <i>in vitro</i> . <i>Apmis</i> , 1990, 98, 453-461.	0.9	12
62	Crossed immunoelectrophoretic analysis of <i>Mycobacterium paratuberculosis</i> . <i>Apmis</i> , 1991, 99, 83-92.	0.9	9
63	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.	0.7	9
64	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, 613-620.	3.2	9
65	Production of and applications for a polyclonal IgY diagnostic reagent specific for <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> . <i>Journal of Microbiology</i> , 2009, 47, 600-609.	1.3	9
66	Polymerase chain reaction "restriction fragment length polymorphism of the <i>rpoB</i> gene for identification of <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> and differentiation of <i>Mycobacterium avium</i> subspecies. <i>Diagnostic Microbiology and Infectious Disease</i> , 2011, 70, 65-71.	0.8	8
67	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.	1.0	6
68	A comparison of different challenge methods for induction of atrophic rhinitis in pigs. <i>Apmis</i> , 1990, 98, 442-452.	0.9	4
69	B-CELL EPITOPE SPECIFICITY OF CARBOXY TERMINUS OF MYCOBACTERIUM PARATUBERCULOSIS ModD. <i>Journal of Immunoassay and Immunochemistry</i> , 2010, 31, 181-192.	0.5	4
70	Familial associations with paratuberculosis ELISA results in Texas Longhorn cattle. <i>Veterinary Microbiology</i> , 2008, 129, 131-138.	0.8	3
71	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.	0.7	2
72	Johne's Disease. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2011, 27, xi-xii.	0.5	2

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73	Proper Estimation of Sensitivity and Specificity. <i>Vaccine Journal</i> , 2006, 13, 1373-1374.	3.2	1
74	Stability of antibacterial agents in MGIT [®] , [®] Para TB Medium. <i>International Journal of Antimicrobial Agents</i> , 2009, 33, 186-187.	1.1	1
75	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.	0.6	0
76	Infectious Diseases: Johne's Disease. , 2022, , 331-338.		0
77	Johne's Disease (Paratuberculosis). , 2009, , 65-69.		0