

# Tyler C Thacker

## List of Publications by Year in descending order

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101  
papers

3,387  
citations

136740

32  
h-index

161609

54  
g-index

103  
all docs

103  
docs citations

103  
times ranked

2836  
citing authors

#	ARTICLE	IF	CITATIONS
1	Viral Booster Vaccines Improve <i>Mycobacterium bovis</i> BCG-Induced Protection against Bovine Tuberculosis. <i>Infection and Immunity</i> , 2009, 77, 3364-3373.	1.0	237
2	Bovine Tuberculosis: A Review of Current and Emerging Diagnostic Techniques in View of their Relevance for Disease Control and Eradication. <i>Transboundary and Emerging Diseases</i> , 2010, 57, no-no.	1.3	208
3	Early Antibody Responses to Experimental <i>Mycobacterium bovis</i> Infection of Cattle. <i>Vaccine Journal</i> , 2006, 13, 648-654.	3.2	133
4	Characterization of the Follicular Dendritic Cell Reservoir of Human Immunodeficiency Virus Type 1. <i>Journal of Virology</i> , 2008, 82, 5548-5561.	1.5	132
5	Tuberculosis Immunity: Opportunities from Studies with Cattle. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-11.	3.3	104
6	Lesion Development and Immunohistochemical Changes in Granulomas from Cattle Experimentally Infected with <i>Mycobacterium bovis</i> . <i>Veterinary Pathology</i> , 2007, 44, 863-874.	0.8	99
7	<i>Mycobacterium bovis</i> : A Model Pathogen at the Interface of Livestock, Wildlife, and Humans. <i>Veterinary Medicine International</i> , 2012, 2012, 1-17.	0.6	98
8	EFFICACY OF ORAL AND PARENTERAL ROUTES OF MYCOBACTERIUM BOVIS BACILLE CALMETTE-GUERIN VACCINATION AGAINST EXPERIMENTAL BOVINE TUBERCULOSIS IN WHITE-TAILED DEER (ODOCOILEUS) Tj ETQq0 0.0 rgBT /Gwlock 10	0.3	94
9	Development and Evaluation of an Enzyme-Linked Immunosorbent Assay for Use in the Detection of Bovine Tuberculosis in Cattle. <i>Vaccine Journal</i> , 2011, 18, 1882-1888.	3.2	83
10	Bovine tuberculosis in Europe from the perspective of an officially tuberculosis free country: Trade, surveillance and diagnostics. <i>Veterinary Microbiology</i> , 2011, 151, 153-159.	0.8	81
11	Follicular dendritic cell contributions to HIV pathogenesis. <i>Seminars in Immunology</i> , 2002, 14, 275-284.	2.7	80
12	Modulation of the bovine innate immune response by production of 1 $\alpha$ ,25-dihydroxyvitamin D3 in bovine monocytes. <i>Journal of Dairy Science</i> , 2010, 93, 1041-1049.	1.4	77
13	Follicular Dendritic Cell Regulation of CXCR4-Mediated Germinal Center CD4 T Cell Migration. <i>Journal of Immunology</i> , 2004, 173, 6169-6178.	0.4	70
14	A <i>Leptospira borgpetersenii</i> Serovar Hardjo Vaccine Induces a Th1 Response, Activates NK Cells, and Reduces Renal Colonization. <i>Vaccine Journal</i> , 2011, 18, 684-691.	3.2	69
15	Effects of Different Tuberculin Skin-Testing Regimens on Gamma Interferon and Antibody Responses in Cattle Experimentally Infected with <i>Mycobacterium bovis</i> . <i>Vaccine Journal</i> , 2006, 13, 387-394.	3.2	68
16	Efficacy and immunogenicity of <i>Mycobacterium bovis</i> $\gamma$ RD1 against aerosol <i>M. bovis</i> infection in neonatal calves. <i>Vaccine</i> , 2009, 27, 1201-1209.	1.7	66
17	Associations between cytokine gene expression and pathology in <i>Mycobacterium bovis</i> infected cattle. <i>Veterinary Immunology and Immunopathology</i> , 2007, 119, 204-213.	0.5	64
18	Bovine tuberculosis: Effect of the tuberculin skin test on in vitro interferon gamma responses. <i>Veterinary Immunology and Immunopathology</i> , 2010, 136, 1-11.	0.5	63

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19	Immune Responses to Defined Antigens of <i>Mycobacterium bovis</i> in Cattle Experimentally Infected with <i>Mycobacterium kansasii</i> . <i>Vaccine Journal</i> , 2006, 13, 611-619.	3.2	62
20	Vaccination of white-tailed deer ( <i>Odocoileus virginianus</i> ) with <i>Mycobacterium bovis</i> bacillus Calmette Guérin. <i>Vaccine</i> , 2007, 25, 6589-6597.	1.7	57
21	Follicular Dendritic Cells and the Persistence of HIV Infectivity: The Role of Antibodies and Fc $\gamma$ 3 Receptors. <i>Journal of Immunology</i> , 2002, 168, 2408-2414.	0.4	55
22	Vaccination with <i>Mycobacterium bovis</i> BCG Strains Danish and Pasteur in White-tailed Deer ( <i>Odocoileus virginianus</i> ) Experimentally Challenged with <i>Mycobacterium bovis</i> . <i>Zoonoses and Public Health</i> , 2009, 56, 243-251.	0.9	50
23	Single Nucleotide Polymorphisms in the <i>Mycobacterium bovis</i> Genome Resolve Phylogenetic Relationships. <i>Journal of Clinical Microbiology</i> , 2012, 50, 3853-3861.	1.8	50
24	Characterization of Effector and Memory T Cell Subsets in the Immune Response to Bovine Tuberculosis in Cattle. <i>PLoS ONE</i> , 2015, 10, e0122571.	1.1	49
25	Optimization of a Whole-Blood Gamma Interferon Assay for Detection of <i>Mycobacterium bovis</i> -Infected Cattle. <i>Vaccine Journal</i> , 2009, 16, 1196-1202.	3.2	47
26	Interleukin-17A as a Biomarker for Bovine Tuberculosis. <i>Vaccine Journal</i> , 2016, 23, 168-180.	3.2	47
27	Follicular Dendritic Cells and Human Immunodeficiency Virus Type 1 Transcription in CD4 <sup>+</sup> T Cells. <i>Journal of Virology</i> , 2009, 83, 150-158.	1.5	45
28	Improved specificity for detection of <i>Mycobacterium bovis</i> in fresh tissues using IS6110 real-time PCR. <i>BMC Veterinary Research</i> , 2011, 7, 50.	0.7	44
29	Effects of Serial Skin Testing with Purified Protein Derivative on the Level and Quality of Antibodies to Complex and Defined Antigens in <i>Mycobacterium bovis</i> -Infected Cattle. <i>Vaccine Journal</i> , 2015, 22, 641-649.	3.2	43
30	Failure of a <i>Mycobacterium tuberculosis</i> RD1 panCD double deletion mutant in a neonatal calf aerosol <i>M. bovis</i> challenge model: Comparisons to responses elicited by <i>M. bovis</i> bacille Calmette Guérin. <i>Vaccine</i> , 2007, 25, 7832-7840.	1.7	37
31	Increased TNF- $\alpha$ /IFN- $\gamma$ /IL-2 and Decreased TNF- $\alpha$ /IFN- $\gamma$ Production by Central Memory T Cells Are Associated with Protective Responses against Bovine Tuberculosis Following BCG Vaccination. <i>Frontiers in Immunology</i> , 2016, 7, 421.	2.2	37
32	Single-Antigen Serological Testing for Bovine Tuberculosis. <i>Vaccine Journal</i> , 2009, 16, 1309-1313.	3.2	34
33	Biomarkers of cell-mediated immunity to bovine tuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2020, 220, 109988.	0.5	33
34	Binding of bovine parvovirus to erythrocyte membrane sialylglycoproteins.. <i>Journal of General Virology</i> , 1998, 79, 2163-2169.	1.3	32
35	Virulence of Two Strains of <i>Mycobacterium bovis</i> in Cattle Following Aerosol Infection. <i>Journal of Comparative Pathology</i> , 2014, 151, 410-419.	0.1	31
36	Patterns and Processes of <i>Mycobacterium bovis</i> Evolution Revealed by Phylogenomic Analyses. <i>Genome Biology and Evolution</i> , 2017, 9, 521-535.	1.1	31

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37	Evaluation of Gamma Interferon (IFN- $\gamma$ )-Induced Protein 10 Responses for Detection of Cattle Infected with <i>Mycobacterium bovis</i> : Comparisons to IFN- $\gamma$ Responses. <i>Vaccine Journal</i> , 2012, 19, 346-351.	3.2	30
38	Potential for rapid antibody detection to identify tuberculous cattle with non-reactive tuberculin skin test results. <i>BMC Veterinary Research</i> , 2017, 13, 164.	0.7	30
39	Genomic and Transcriptomic Analysis of <i>Escherichia coli</i> Strains Associated with Persistent and Transient Bovine Mastitis and the Role of Colanic Acid. <i>Infection and Immunity</i> , 2018, 86, .	1.0	28
40	Clinical and Diagnostic Developments of a Gamma Interferon Release Assay for Use in Bovine Tuberculosis Control Programs. <i>Vaccine Journal</i> , 2013, 20, 1827-1835.	3.2	27
41	Circulating <i>Mycobacterium bovis</i> Peptides and Host Response Proteins as Biomarkers for Unambiguous Detection of Subclinical Infection. <i>Journal of Clinical Microbiology</i> , 2014, 52, 536-543.	1.8	27
42	Blood culture and stimulation conditions for the diagnosis of tuberculosis in cervids by the Cervigam assay. <i>Veterinary Record</i> , 2008, 162, 203-208.	0.2	25
43	Follicular Dendritic Cell-Mediated Up-Regulation of CXCR4 Expression on CD4 T Cells and HIV Pathogenesis. <i>Journal of Immunology</i> , 2002, 169, 2313-2322.	0.4	24
44	Comparison of tuberculin activity using the interferon- $\gamma$ assay for the diagnosis of bovine tuberculosis. <i>Veterinary Record</i> , 2010, 167, 322-326.	0.2	24
45	Persistence of <i>Mycobacterium bovis</i> Bacillus Calmette-Guérin in White-Tailed Deer ( <i>Odocoileus virginianus</i> ) after Oral or Parenteral Vaccination. <i>Zoonoses and Public Health</i> , 2010, 57, e206-12.	0.9	24
46	Isolation of mycobacteria from clinical samples collected in the United States from 2004 to 2011. <i>BMC Veterinary Research</i> , 2013, 9, 100.	0.7	24
47	Early Pulmonary Lesions in Cattle Infected via Aerosolized <i>Mycobacterium bovis</i> . <i>Veterinary Pathology</i> , 2019, 56, 544-554.	0.8	24
48	The calf model of immunity for development of a vaccine against tuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2009, 128, 199-204.	0.5	23
49	Oral Vaccination of White-Tailed Deer ( <i>Odocoileus virginianus</i> ) with <i>Mycobacterium bovis</i> Bacillus Calmette-Guerin (BCG). <i>PLoS ONE</i> , 2014, 9, e97031.	1.1	23
50	Testing a molasses-based bait for oral vaccination of white-tailed deer ( <i>Odocoileus virginianus</i> ) against <i>Mycobacterium bovis</i> . <i>European Journal of Wildlife Research</i> , 2014, 60, 265-270.	0.7	22
51	Multinucleated giant cell cytokine expression in pulmonary granulomas of cattle experimentally infected with <i>Mycobacterium bovis</i> . <i>Veterinary Immunology and Immunopathology</i> , 2016, 180, 34-39.	0.5	22
52	Analysis of Cytokine Gene Expression using a Novel Chromogenic In-situ Hybridization Method in Pulmonary Granulomas of Cattle Infected Experimentally by Aerosolized <i>Mycobacterium bovis</i> . <i>Journal of Comparative Pathology</i> , 2015, 153, 150-159.	0.1	21
53	Differential Cytokine Gene Expression in Granulomas from Lungs and Lymph Nodes of Cattle Experimentally Infected with Aerosolized <i>Mycobacterium bovis</i> . <i>PLoS ONE</i> , 2016, 11, e0167471.	1.1	21
54	Histology, immunohistochemistry and ultrastructure of the bovine palatine tonsil with special emphasis on reticular epithelium. <i>Veterinary Immunology and Immunopathology</i> , 2009, 127, 277-285.	0.5	20

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55	Correlation of Cytokine Gene Expression with Pathology in White-Tailed Deer ( <i>Odocoileus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5	3.2	18
56	Experimentally Induced Infection of Reindeer ( <i>Rangifer Tarandus</i> ) with <i>Mycobacterium Bovis</i> . Journal of Veterinary Diagnostic Investigation, 2006, 18, 52-60.	0.5	17
57	Persistence of <i>Mycobacterium bovis</i> bacillus Calmette-Guérin (BCG) Danish In White-tailed Deer ( <i>Odocoileus virginianus</i> ) Vaccinated with a Lipid-Formulated Oral Vaccine. Transboundary and Emerging Diseases, 2014, 61, 266-272.	1.3	17
58	Identification of Novel Antigens Recognized by Serum Antibodies in Bovine Tuberculosis. Vaccine Journal, 2017, 24, .	3.2	16
59	Examination of the Reticular Epithelium of the Bovine Pharyngeal Tonsil. Anatomical Record, 2011, 294, 1939-1950.	0.8	15
60	Active and Latent Ovine Herpesvirus-2 (OvHV-2) Infection in a Herd of Captive White-tailed Deer ( <i>Odocoileus virginianus</i> ). Journal of Comparative Pathology, 2013, 149, 162-166.	0.1	15
61	Humoral Immune Responses of White-Tailed Deer ( <i>Odocoileus virginianus</i> ) to <i>Mycobacterium bovis</i> BCG Vaccination and Experimental Challenge with <i>M. bovis</i> . Vaccine Journal, 2009, 16, 323-329.	3.2	14
62	Polymorphisms of 20 regulatory proteins between <i>Mycobacterium tuberculosis</i> and <i>Mycobacterium bovis</i> . Microbiology and Immunology, 2016, 60, 552-560.	0.7	14
63	Screening of Microbial Volatile Organic Compounds for Detection of Disease in Cattle: Development of Lab-scale Method. Scientific Reports, 2019, 9, 12103.	1.6	13
64	T-Cell mRNA Expression in Response to <i>Mycobacterium bovis</i> BCG Vaccination and <i>Mycobacterium bovis</i> Infection of White-Tailed Deer. Vaccine Journal, 2009, 16, 1139-1145.	3.2	12
65	Assessment of <i>Mycobacterium tuberculosis</i> OmpATb as a Novel Antigen for the Diagnosis of Bovine Tuberculosis. Vaccine Journal, 2009, 16, 1314-1321.	3.2	12
66	Differential Gene Expression of Three Mastitis-Causing <i>Escherichia coli</i> Strains Grown under Planktonic, Swimming, and Swarming Culture Conditions. MSystems, 2016, 1, .	1.7	12
67	Early Detection of Circulating Antigen and IgM-Associated Immune Complexes during Experimental <i>Mycobacterium bovis</i> Infection in Cattle. Vaccine Journal, 2017, 24, .	3.2	12
68	Effects of Inactivated <i>Mycobacterium bovis</i> Vaccination on Molokai-Origin Wild Pigs Experimentally Infected with Virulent <i>M. bovis</i> . Pathogens, 2020, 9, 199.	1.2	12
69	Heterogeneity of Pulmonary Granulomas in Cattle Experimentally Infected With <i>Mycobacterium bovis</i> . Frontiers in Veterinary Science, 2021, 8, 671460.	0.9	12
70	Anatomical distribution of <i>Mycobacterium bovis</i> genotypes in experimentally infected white-tailed deer. Veterinary Microbiology, 2015, 180, 75-81.	0.8	11
71	Use of the Human Vaccine, <i>Mycobacterium bovis</i> Bacillus Calmette Guérin in Deer. Frontiers in Veterinary Science, 2018, 5, 244.	0.9	10
72	Symposium review: Omics in dairy and animal science—Promise, potential, and pitfalls. Journal of Dairy Science, 2019, 102, 4741-4754.	1.4	9

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73	Signal Regulatory Protein $\hat{\pm}$ (SIRP $\hat{\pm}$ ) <sup>+</sup> Cells in the Adaptive Response to ESAT-6/CFP-10 Protein of Tuberculous Mycobacteria. PLoS ONE, 2009, 4, e6414.	1.1	8
74	Severity of bovine tuberculosis is associated with innate immune-biased transcriptional signatures of whole blood in early weeks after experimental Mycobacterium bovis infection. PLoS ONE, 2020, 15, e0239938.	1.1	8
75	Using White-tailed Deer ( ) in Infectious Disease Research. Journal of the American Association for Laboratory Animal Science, 2017, 56, 350-360.	0.6	8
76	Characteristics of subclinical <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> infection in a captive white-tailed deer herd. Journal of Veterinary Diagnostic Investigation, 2019, 31, 844-851.	0.5	7
77	Antigen-specific proliferation and activation of peripheral blood mononuclear cells from Mycobacterium bovis-infected reindeer. Veterinary Immunology and Immunopathology, 2006, 111, 263-277.	0.5	6
78	Retrospective Analysis of Archived Pyrazinamide Resistant Mycobacterium tuberculosis Complex Isolates from Uganda—Evidence of Interspecies Transmission. Microorganisms, 2019, 7, 221.	1.6	6
79	Whole-Genome SNP Analysis Identifies Putative Mycobacterium bovis Transmission Clusters in Livestock and Wildlife in Catalonia, Spain. Microorganisms, 2021, 9, 1629.	1.6	6
80	Whole Genome Sequencing Links Mycobacterium bovis From Cattle, Cheese and Humans in Baja California, Mexico. Frontiers in Veterinary Science, 2021, 8, 674307.	0.9	6
81	Notes from the Field: Brucella abortus RB51 Infections Associated with Consumption of Raw Milk from Pennsylvania—2017 and 2018. Morbidity and Mortality Weekly Report, 2020, 69, 482-483.	9.0	6
82	Mannosylated lipoarabinomannan in serum as a biomarker candidate for subclinical bovine tuberculosis. BMC Research Notes, 2014, 7, 559.	0.6	5
83	Mistaken identity of an open reading frame proposed for PCR-based identification of Mycoplasma bovis and the effect of polymorphisms and insertions on assay performance. Journal of Veterinary Diagnostic Investigation, 2018, 30, 637-641.	0.5	5
84	Novel polyprotein antigens designed for improved serodiagnosis of bovine tuberculosis. Veterinary Immunology and Immunopathology, 2021, 240, 110320.	0.5	5
85	Evaluation of pathogen-specific biomarkers for the diagnosis of tuberculosis in white-tailed deer (Odocoileus virginianus). American Journal of Veterinary Research, 2017, 78, 729-734.	0.3	4
86	Vaccination of white-tailed deer (Odocoileus virginianus) with Mycobacterium bovis bacille Calmette-Guérin (BCG) results in positive tuberculin skin test results in a dose-dependent fashion. Research in Veterinary Science, 2020, 129, 70-73.	0.9	4
87	Investigations on Deer to Deer and Deer to Cattle Transmission of the Vaccine Mycobacterium bovis Bacillus Calmette-Guérin (BCG). Journal of Vaccines & Vaccination, 2010, 01, .	0.3	4
88	Transcriptional Profiling of Early and Late Phases of Bovine Tuberculosis. Infection and Immunity, 2022, 90, IAI0031321.	1.0	4
89	Serum 25-hydroxyvitamin D Concentrations in Captive and Free-ranging, White-tailed Deer (Odocoileus Tj ETQq1 1 0.784314 rgBT /Ov	0.6	3
90	Large-scale survey of prion protein genetic variability in scrapie disease-free goats from the United States. PLoS ONE, 2021, 16, e0254998.	1.1	3

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91	Use of blood matrices and alternative biological fluids for antibody detection in animal tuberculosis. <i>Veterinary Immunology and Immunopathology</i> , 2021, 239, 110303.	0.5	3
92	Potential for improved detection of bovine tuberculosis by targeting combined blood biomarkers in multi-test algorithms. <i>Veterinary Immunology and Immunopathology</i> , 2022, 248, 110419.	0.5	3
93	Genome Sequences of <i>Escherichia coli</i> Strains That Cause Persistent and Transient Mastitis. <i>Genome Announcements</i> , 2017, 5, .	0.8	1
94	Genome Sequences of <i>Mycobacterium tuberculosis</i> Biovar <i>bovis</i> Strains Ravenel and 10-7428. <i>Microbiology Resource Announcements</i> , 2021, 10, e0041121.	0.3	1
95	Evaluation of Tissue Fixation Methods to Inactivate <i>Mycobacterium bovis</i> Under Routine Laboratory Conditions. <i>Applied Biosafety</i> , 2017, 22, 152-155.	0.2	1
96	Title is missing!. , 2020, 15, e0239938.		0
97	Title is missing!. , 2020, 15, e0239938.		0
98	Title is missing!. , 2020, 15, e0239938.		0
99	Title is missing!. , 2020, 15, e0239938.		0
100	Title is missing!. , 2020, 15, e0239938.		0
101	Title is missing!. , 2020, 15, e0239938.		0