

# Rebecca L Smith

## List of Publications by Year in descending order

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Version: 2024-02-01

94  
papers

1,815  
citations

331670

21  
h-index

361022

35  
g-index

104  
all docs

104  
docs citations

104  
times ranked

1916  
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal Assessment of Diagnostic Test Performance Over the Course of Acute SARS-CoV-2 Infection. <i>Journal of Infectious Diseases</i> , 2021, 224, 976-982.	4.0	119
2	Daily longitudinal sampling of SARS-CoV-2 infection reveals substantial heterogeneity in infectiousness. <i>Nature Microbiology</i> , 2022, 7, 640-652.	13.3	99
3	Free Fatty Acids Rewire Cancer Metabolism in Obesity-Associated Breast Cancer via Estrogen Receptor and mTOR Signaling. <i>Cancer Research</i> , 2019, 79, 2494-2510.	0.9	81
4	The importance of culling in Johne's disease control. <i>Journal of Theoretical Biology</i> , 2008, 254, 135-146.	1.7	73
5	A longitudinal study on the impact of Johne's disease status on milk production in individual cows. <i>Journal of Dairy Science</i> , 2009, 92, 2653-2661.	3.4	72
6	Evaluation of Environmental Sampling and Culture to Determine <i>Mycobacterium avium</i> subspecies paratuberculosis Distribution and Herd Infection Status on US Dairy Operations. <i>Journal of Dairy Science</i> , 2006, 89, 4163-4171.	3.4	69
7	Effect of Johne's disease status on reproduction and culling in dairy cattle. <i>Journal of Dairy Science</i> , 2010, 93, 3513-3524.	3.4	60
8	Economic analysis of <i>Mycobacterium avium</i> subspecies paratuberculosis vaccines in dairy herds. <i>Journal of Dairy Science</i> , 2012, 95, 1855-1872.	3.4	51
9	Stochastic simulations of a multi-group compartmental model for Johne's disease on US dairy herds with test-based culling intervention. <i>Journal of Theoretical Biology</i> , 2010, 264, 1190-1201.	1.7	47
10	Factors associated with poor sleep during menopause: results from the Midlife Women's Health Study. <i>Sleep Medicine</i> , 2018, 45, 98-105.	1.6	43
11	Long-Term Administration of Conjugated Estrogen and Bazedoxifene Decreased Murine Fecal $\beta$ -Glucuronidase Activity Without Impacting Overall Microbiome Community. <i>Scientific Reports</i> , 2018, 8, 8166.	3.3	40
12	Modelling farm-to-farm disease transmission through personnel movements: from visits to contacts, and back. <i>Scientific Reports</i> , 2017, 7, 2375.	3.3	39
13	A Survey of Tick Surveillance and Control Practices in the United States. <i>Journal of Medical Entomology</i> , 2021, 58, 1503-1512.	1.8	39
14	Environmental contamination with <i>Mycobacterium avium</i> subsp. paratuberculosis in endemically infected dairy herds. <i>Preventive Veterinary Medicine</i> , 2011, 102, 1-9.	1.9	38
15	Economic consequences of paratuberculosis control in dairy cattle: A stochastic modeling study. <i>Preventive Veterinary Medicine</i> , 2017, 138, 17-27.	1.9	37
16	Longitudinal Analysis of SARS-CoV-2 Vaccine Breakthrough Infections Reveals Limited Infectious Virus Shedding and Restricted Tissue Distribution. <i>Open Forum Infectious Diseases</i> , 2022, 9, .	0.9	36
17	Transmission of waterborne fish and plant pathogens in aquaponics and their control with physical disinfection and filtration: A systematized review. <i>Aquaculture</i> , 2019, 504, 380-395.	3.5	26
18	PREVALENCE OF TERRAPENE HERPESVIRUS 1 IN FREE-RANGING EASTERN BOX TURTLES ( <i>TERRAPENE</i> )	0.8	25

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19	Cost-effective Control Strategies for Johne's Disease in Dairy Herds. Canadian Journal of Agricultural Economics, 2013, 61, 583-608.	2.1	24
20	Using vaccination to prevent the invasion of Mycobacterium avium subsp. paratuberculosis in dairy herds: A stochastic simulation study. Preventive Veterinary Medicine, 2013, 110, 335-345.	1.9	23
21	The effects of progressing and nonprogressing Mycobacterium avium ssp. paratuberculosis infection on milk production in dairy cows. Journal of Dairy Science, 2016, 99, 1383-1390.	3.4	23
22	The drivers of West Nile virus human illness in the Chicago, Illinois, USA area: Fine scale dynamic effects of weather, mosquito infection, social, and biological conditions. PLoS ONE, 2020, 15, e0227160.	2.5	23
23	A new compartmental model of Mycobacterium avium subsp. paratuberculosis infection dynamics in cattle. Preventive Veterinary Medicine, 2015, 122, 298-305.	1.9	22
24	The Midlife Women's Health Study – a study protocol of a longitudinal prospective study on predictors of menopausal hot flashes. Women's Midlife Health, 2017, 3, 4.	1.5	22
25	A proposed framework for the development and qualitative evaluation of West Nile virus models and their application to local public health decision-making. PLoS Neglected Tropical Diseases, 2021, 15, e0009653.	3.0	22
26	Mitigation of SARS-CoV-2 transmission at a large public university. Nature Communications, 2022, 13, .	12.8	21
27	Impact of imperfect Mycobacterium avium subsp. paratuberculosis vaccines in dairy herds: A mathematical modeling approach. Preventive Veterinary Medicine, 2013, 108, 148-158.	1.9	20
28	The effect of Mycobacterium avium ssp. paratuberculosis infection on clinical mastitis occurrence in dairy cows. Journal of Dairy Science, 2017, 100, 7446-7454.	3.4	20
29	Comparing Contributions of Passive and Active Tick Collection Methods to Determine Establishment of Ticks of Public Health Concern Within Illinois. Journal of Medical Entomology, 2021, 58, 1849-1864.	1.8	20
30	Urinary phthalate metabolite concentrations and serum hormone levels in pre- and perimenopausal women from the Midlife Women's Health Study. Environment International, 2021, 156, 106633.	10.0	20
31	Does quitting smoking decrease the risk of midlife hot flashes? A longitudinal analysis. Maturitas, 2015, 82, 123-127.	2.4	19
32	Risk Factors for Extended Duration and Timing of Peak Severity of Hot Flashes. PLoS ONE, 2016, 11, e0155079.	2.5	19
33	Factors Affecting Sexual Function in Midlife Women: Results from the Midlife Women's Health Study. Journal of Women's Health, 2017, 26, 923-932.	3.3	19
34	Development of a model to simulate infection dynamics of Mycobacterium bovis in cattle herds in the United States. Journal of the American Veterinary Medical Association, 2013, 243, 411-423.	0.5	18
35	Economic risk analysis model for bovine viral diarrhea virus biosecurity in cow-calf herds. Preventive Veterinary Medicine, 2014, 113, 492-503.	1.9	18
36	Association of phthalate exposure and endogenous hormones with self-reported sleep disruptions: results from the Midlife Women's Health Study. Menopause, 2020, 27, 1251-1264.	2.0	18

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37	Sensitivity of Polymerase Chain Reaction for Detection of Bovine Viral Diarrhea Virus in Pooled Serum Samples and Use of Pooled Polymerase Chain Reaction to Determine Prevalence of Bovine Viral Diarrhea Virus in Auction Market Cattle. <i>Journal of Veterinary Diagnostic Investigation</i> , 2008, 20, 75-78.	1.1	16
38	ERK1-XPO1 Cross Talk Controls Tamoxifen Sensitivity in Tumors by Altering ERK5 Cellular Localization. <i>Molecular Endocrinology</i> , 2016, 30, 1029-1045.	3.7	16
39	Assessing the potential impact of Salmonella vaccines in an endemically infected dairy herd. <i>Journal of Theoretical Biology</i> , 2009, 259, 770-784.	1.7	15
40	A stochastic risk-analysis model for the spread of bovine viral diarrhoea virus after introduction to naïve cow-calf herds. <i>Preventive Veterinary Medicine</i> , 2010, 95, 86-98.	1.9	15
41	Minimization of bovine tuberculosis control costs in US dairy herds. <i>Preventive Veterinary Medicine</i> , 2013, 112, 266-275.	1.9	15
42	Minimum cost to control bovine tuberculosis in cow-calf herds. <i>Preventive Veterinary Medicine</i> , 2014, 115, 18-28.	1.9	15
43	Modeling of Mycobacterium avium subsp. paratuberculosis dynamics in a dairy herd: An individual based approach. <i>Journal of Theoretical Biology</i> , 2016, 408, 105-117.	1.7	15
44	The spread of mosquito-borne viruses in modern times: A spatio-temporal analysis of dengue and chikungunya. <i>Spatial and Spatio-temporal Epidemiology</i> , 2018, 26, 113-125.	1.7	15
45	Multi-species outbreak of SARS-CoV-2 Delta variant in a zoological institution, with the detection in two new families of carnivores. <i>Transboundary and Emerging Diseases</i> , 2022, 69, .	3.0	15
46	Understanding the complex relationships underlying hot flashes: a Bayesian network approach. <i>Menopause</i> , 2018, 25, 182-190.	2.0	14
47	An agent-based model evaluation of economic control strategies for paratuberculosis in a dairy herd. <i>Journal of Dairy Science</i> , 2018, 101, 6443-6454.	3.4	13
48	Hormone variability and hot flash experience: Results from the midlife women's health study. <i>Maturitas</i> , 2019, 119, 1-7.	2.4	13
49	Urinary phthalate metabolite concentrations and hot flashes in women from an urban convenience sample of midlife women. <i>Environmental Research</i> , 2021, 197, 110891.	7.5	13
50	A stochastic model to assess the risk of introduction of bovine viral diarrhoea virus to beef cow-calf herds. <i>Preventive Veterinary Medicine</i> , 2009, 88, 101-108.	1.9	12
51	The value of pathogen information in treating clinical mastitis. <i>Journal of Dairy Research</i> , 2016, 83, 456-463.	1.4	12
52	Use of an Individual-based Model to Control Transmission Pathways of Mycobacterium avium Subsp. paratuberculosis Infection in Cattle Herds. <i>Scientific Reports</i> , 2017, 7, 11845.	3.3	12
53	The spread of bovine tuberculosis in Canadian shared pastures: Data, model, and simulations. <i>Transboundary and Emerging Diseases</i> , 2019, 66, 562-577.	3.0	12
54	A Scoping Review of Species Distribution Modeling Methods for Tick Vectors. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	2.2	12

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55	Factors Affecting Sexual Activity in Midlife Women: Results from the Midlife Health Study. <i>Journal of Women's Health</i> , 2017, 26, 103-108.	3.3	10
56	Proposing a Compartmental Model for Leprosy and Parameterizing Using Regional Incidence in Brazil. <i>PLoS Neglected Tropical Diseases</i> , 2016, 10, e0004925.	3.0	10
57	Effects of Climate on the Variation in Abundance of Three Tick Species in Illinois. <i>Journal of Medical Entomology</i> , 2022, 59, 700-709.	1.8	10
58	Kinetic and kinematic follow-up gait analysis in Doberman Pinschers with cervical spondylomyelopathy treated medically and surgically. <i>Journal of Veterinary Internal Medicine</i> , 2018, 32, 1126-1132.	1.6	9
59	Error associated with estimates of Minimum Infection Rate for Endemic West Nile Virus in areas of low mosquito trap density. <i>Scientific Reports</i> , 2019, 9, 19093.	3.3	9
60	Effects of Scale on Modeling West Nile Virus Disease Risk. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 151-165.	1.4	9
61	Effects of tick surveillance education on knowledge, attitudes, and practices of local health department employees. <i>BMC Public Health</i> , 2022, 22, 215.	2.9	9
62	Knowledge, attitudes, and practices of veterinary professionals towards ticks and tick-borne diseases in Illinois. <i>One Health</i> , 2022, 14, 100391.	3.4	9
63	A data-driven individual-based model of infectious disease in livestock operation: A validation study for paratuberculosis. <i>PLoS ONE</i> , 2018, 13, e0203177.	2.5	8
64	Assessment of the bovine tuberculosis elimination protocol in the United States. <i>Journal of Dairy Science</i> , 2019, 102, 2384-2400.	3.4	8
65	EPIDEMIOLOGY OF EMBRYO HERPESVIRUS 1 IN FREE-RANGING BLANDING'S TURTLES (EMYDOIDEA) Tj ETQq1 1,0.784314 rgBT /Qv	0.6	8
66	Economic Analysis of the Cross-reactivity of Johne's Disease Vaccination with Tuberculosis in Dairy Cattle. <i>American Journal of Agricultural Economics</i> , 2010, 92, 1446-1455.	4.3	7
67	Florida Arsenic Distribution Index: Quantifying the Distribution of Past and Present Arsenic Usage. <i>International Journal of Environmental Research and Public Health</i> , 2019, 16, 744.	2.6	7
68	Roles of Vegetable Surface Properties and Sanitizer Type on Annual Disease Burden of Rotavirus Illness by Consumption of Rotavirus-contaminated Fresh Vegetables: A Quantitative Microbial Risk Assessment. <i>Risk Analysis</i> , 2020, 40, 741-757.	2.7	7
69	Associations of Pregnancy History with BMI and Weight Gain in 45-54-Year-Old Women. <i>Current Developments in Nutrition</i> , 2020, 4, nzz139.	0.3	7
70	Invasion and transmission of Salmonella Kentucky in an adult dairy herd using approximate Bayesian computation. <i>BMC Veterinary Research</i> , 2013, 9, 245.	1.9	6
71	Preliminary findings reveal that phthalate exposure is associated with both subjective and objective measures of sleep in a small population of midlife women. <i>Maturitas</i> , 2022, 157, 62-65.	2.4	6
72	Stochastic Modeling of Imperfect Salmonella Vaccines in an Adult Dairy Herd. <i>Bulletin of Mathematical Biology</i> , 2014, 76, 541-565.	1.9	5

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73	Dynamics of data availability in disease modeling: An example evaluating the trade-offs of ultra-fine-scale factors applied to human West Nile virus disease models in the Chicago area, USA. PLoS ONE, 2021, 16, e0251517.	2.5	5
74	Use of Approximate Bayesian Computation to Assess and Fit Models of Mycobacterium leprae to Predict Outcomes of the Brazilian Control Program. PLoS ONE, 2015, 10, e0129535.	2.5	5
75	Mastitis risk effect on the economic consequences of paratuberculosis control in dairy cattle: A stochastic modeling study. PLoS ONE, 2019, 14, e0217888.	2.5	4
76	Quantification and Comparison of Risks Associated with Wastewater Use in Spray Irrigation. Risk Analysis, 2021, 41, 745-760.	2.7	4
77	Evolutionary Genomic and Bacterial Genome-Wide Association Study of Mycobacterium avium subsp. <i>paratuberculosis</i> and Dairy Cattle Johne's Disease Phenotypes. Applied and Environmental Microbiology, 2021, 87, .	3.1	4
78	Racial differences in lifestyle, demographic, and health factors associated with quality of life (QoL) in midlife women. Women's Midlife Health, 2021, 7, 2.	1.5	4
79	Global Veterinary Opportunities and Responsibilities: Some Recent Graduates' Perspectives. Journal of Veterinary Medical Education, 2006, 33, 416-418.	0.6	3
80	Flooding on Beef and Swine Farms: A Scoping Review of Effects in the Midwestern United States. Preventive Veterinary Medicine, 2020, 184, 105158.	1.9	3
81	Evaluation of the Control Options of Bovine Tuberculosis in Ethiopia Using a Multi-Criteria Decision Analysis. Frontiers in Veterinary Science, 2020, 7, 586056.	2.2	3
82	The Impact of Adulticide on <i>Culex</i> Abundance and Infection Rate in North Shore of Cook County, Illinois. Journal of the American Mosquito Control Association, 2022, 38, 46-58.	0.7	3
83	Ranking disease control strategies with stochastic outcomes. Preventive Veterinary Medicine, 2020, 176, 104906.	1.9	2
84	Response to Bender et al. Journal of Infectious Diseases, 2021, 224, 1989-1989.	4.0	2
85	Duration of skin desensitisation following palmar digital nerve blocks with lidocaine, bupivacaine, mepivacaine and prilocaine. Australian Veterinary Journal, 2021, 99, 541-546.	1.1	1
86	â€œI took it off most of the time 'cause I felt comfortableâ€ unmasking, trusted others, and lessons learned from a coronavirus disease 2019 reinfection: a case report. Journal of Medical Case Reports, 2021, 15, 557.	0.8	1
87	Risk of Legionellosis in residential areas around farms irrigating with municipal wastewater. Risk Analysis, 0, , .	2.7	1
88	Examining the Relationship Between Low Birth Weight Occurrence and Passive Measures of Environmental Arsenic by Census Tract in Escambia and Santa Rosa Counties, Florida. Environmental Health Insights, 2020, 14, 117863022091305.	1.7	0
89	Title is missing!. , 2020, 15, e0227160.		0
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91	Title is missing!. , 2020, 15, e0227160.		0
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