

# Thomas E Besser

## List of Publications by Year in descending order

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65  
papers

2,357  
citations

212478

28  
h-index

252626

46  
g-index

71  
all docs

71  
docs citations

71  
times ranked

2169  
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental infection of specific-pathogen-free domestic lambs with <i>Mycoplasma ovipneumoniae</i> causes asymptomatic colonization of the upper airways that is resistant to antibiotic treatment. <i>Veterinary Microbiology</i> , 2022, 265, 109334.	0.8	4
2	Repeated Oral Vaccination of Cattle with Shiga Toxin-Negative <i>Escherichia coli</i> O157:H7 Reduces Carriage of Wild-Type <i>E. coli</i> O157:H7 after Challenge. <i>Applied and Environmental Microbiology</i> , 2021, 87, .	1.4	4
3	Previously Unrecognized Exposure of Desert Bighorn Sheep ( <i>Ovis canadensis nelsoni</i> ) to <i>Mycoplasma ovipneumoniae</i> in the California Mojave Desert. <i>Journal of Wildlife Diseases</i> , 2021, 57, 447-452.	0.3	6
4	Natural history of a bighorn sheep pneumonia epizootic: Source of infection, course of disease, and pathogen clearance. <i>Ecology and Evolution</i> , 2021, 11, 14366-14382.	0.8	7
5	Restoration of a bighorn sheep population impeded by <i>Mycoplasma ovipneumoniae</i> exposure. <i>Restoration Ecology</i> , 2020, 28, 387-395.	1.4	5
6	Removal of chronic <i>Mycoplasma ovipneumoniae</i> carrier ewes eliminates pneumonia in a bighorn sheep population. <i>Ecology and Evolution</i> , 2020, 10, 3491-3502.	0.8	19
7	Epidemic growth rates and host movement patterns shape management performance for pathogen spillover at the wildlife–livestock interface. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2019, 374, 20180343.	1.8	10
8	Genetic structure of <i>Mycoplasma ovipneumoniae</i> informs pathogen spillover dynamics between domestic and wild Caprinae in the western United States. <i>Scientific Reports</i> , 2019, 9, 15318.	1.6	20
9	Comparison of three methods of enumeration for <i>Mycoplasma ovipneumoniae</i> . <i>Journal of Microbiological Methods</i> , 2019, 165, 105700.	0.7	6
10	β-lactam resistance genes in bacteriophage and bacterial DNA from wastewater, river water, and irrigation water in Washington State. <i>Water Research</i> , 2019, 161, 335-340.	5.3	31
11	Risk factors and productivity losses associated with <i>Mycoplasma ovipneumoniae</i> infection in United States domestic sheep operations. <i>Preventive Veterinary Medicine</i> , 2019, 168, 30-38.	0.7	27
12	Organic farming promotes biotic resistance to foodborne human pathogens. <i>Journal of Applied Ecology</i> , 2019, 56, 1117-1127.	1.9	34
13	A pilot study of the effects of <i>Mycoplasma ovipneumoniae</i> exposure on domestic lamb growth and performance. <i>PLoS ONE</i> , 2019, 14, e0207420.	1.1	17
14	Detection of <i>Mycoplasma ovipneumoniae</i> in Pneumonic Mountain Goat ( <i>Oreamnos americanus</i> ) Kids. <i>Journal of Wildlife Diseases</i> , 2019, 55, 206.	0.3	10
15	Pneumonia in bighorn sheep: Risk and resilience. <i>Journal of Wildlife Management</i> , 2018, 82, 32-45.	0.7	75
16	Survival of Translocated Bighorn Sheep In the Deadwood Region of the Black Hills, South Dakota. <i>Northwestern Naturalist</i> , 2018, 99, 222-231.	0.5	5
17	Use of Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry for the Identification of Pathogenic <i>Vibrio</i> in Fish. <i>Journal of Aquatic Animal Health</i> , 2018, 30, 332-338.	0.6	3
18	Population Structure and Antimicrobial Resistance of Canine Uropathogenic <i>Escherichia coli</i> . <i>Journal of Clinical Microbiology</i> , 2018, 56, .	1.8	41

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19	Evidence for strain-specific immunity to pneumonia in bighorn sheep. <i>Journal of Wildlife Management</i> , 2017, 81, 133-143.	0.7	44
20	Age-specific infectious period shapes dynamics of pneumonia in bighorn sheep. <i>Ecology Letters</i> , 2017, 20, 1325-1336.	3.0	39
21	Comparison of Two Bacterial Transport Media for Culture of Tonsillar Swabs from Bighorn Sheep ( <i>Ovis canadensis</i> ) and Mountain Goats ( <i>Oreamnos americanus</i> ). <i>Journal of Wildlife Diseases</i> , 2017, 53, 188-192.	0.3	2
22	Exposure of bighorn sheep to domestic goats colonized with <i>Mycoplasma ovipneumoniae</i> induces sub-lethal pneumonia. <i>PLoS ONE</i> , 2017, 12, e0178707.	1.1	15
23	Protozoan Predation of <i>Escherichia coli</i> O157:H7 Is Unaffected by the Carriage of Shiga Toxin-Encoding Bacteriophages. <i>PLoS ONE</i> , 2016, 11, e0147270.	1.1	20
24	Concordance in diagnostic testing for respiratory pathogens of bighorn sheep. <i>Wildlife Society Bulletin</i> , 2016, 40, 634-642.	1.6	9
25	Standardized <i>Escherichia coli</i> O157:H7 Exposure Studies in Cattle Provide Evidence that Bovine Factors Do Not Drive Increased Summertime Colonization. <i>Applied and Environmental Microbiology</i> , 2016, 82, 964-971.	1.4	11
26	Recent Emergence of <i>Escherichia coli</i> with Cephalosporin Resistance Conferred by <i>bla</i> <sub>CTX-M</sub> on Washington State Dairy Farms. <i>Applied and Environmental Microbiology</i> , 2015, 81, 4403-4410.	1.4	37
27	Genome-Wide Screening Identifies Six Genes That Are Associated with Susceptibility to <i>Escherichia coli</i> Microcin PDI. <i>Applied and Environmental Microbiology</i> , 2015, 81, 6953-6963.	1.4	17
28	'Super' or just 'above average'? Supershedders and the transmission of <i>Escherichia coli</i> O157:H7 among feedlot cattle. <i>Journal of the Royal Society Interface</i> , 2015, 12, 20150446.	1.5	21
29	Geographically Distinct <i>Escherichia coli</i> O157 Isolates Differ by Lineage, Shiga Toxin Genotype, and Total Shiga Toxin Production. <i>Journal of Clinical Microbiology</i> , 2015, 53, 579-586.	1.8	33
30	Safety and Immunogenicity of a <i>Mycoplasma ovipneumoniae</i> Bacterin for Domestic Sheep ( <i>Ovis aries</i> ). <i>PLoS ONE</i> , 2014, 9, e95698.	1.1	34
31	An Individual-Based Model of Transmission of Resistant Bacteria in a Veterinary Teaching Hospital. <i>PLoS ONE</i> , 2014, 9, e98589.	1.1	18
32	Modeling the Infection Dynamics of Bacteriophages in Enteric <i>Escherichia coli</i> : Estimating the Contribution of Transduction to Antimicrobial Gene Spread. <i>Applied and Environmental Microbiology</i> , 2014, 80, 4350-4362.	1.4	62
33	'Preharvest' Food Safety for <i>Escherichia coli</i> O157 and Other Pathogenic Shiga Toxin-Producing Strains. <i>Microbiology Spectrum</i> , 2014, 2, .	1.2	10
34	Epizootic Pneumonia of Bighorn Sheep following Experimental Exposure to <i>Mycoplasma ovipneumoniae</i> . <i>PLoS ONE</i> , 2014, 9, e110039.	1.1	41
35	Bighorn sheep pneumonia: Sorting out the cause of a polymicrobial disease. <i>Preventive Veterinary Medicine</i> , 2013, 108, 85-93.	0.7	104
36	Survival of Bighorn Sheep ( <i>Ovis canadensis</i> ) Commingled with Domestic Sheep ( <i>Ovis aries</i> ) in the Absence of <i>Mycoplasma ovipneumoniae</i> . <i>Journal of Wildlife Diseases</i> , 2012, 48, 168-172.	0.3	31

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37	Causes of Pneumonia Epizootics among Bighorn Sheep, Western United States, 2008–2010. <i>Emerging Infectious Diseases</i> , 2012, 18, 406-414.	2.0	81
38	Carriage of stx2a Differentiates Clinical and Bovine-Biased Strains of <i>Escherichia coli</i> O157. <i>PLoS ONE</i> , 2012, 7, e51572.	1.1	55
39	Cell invasion of poultry-associated <i>Salmonella enterica</i> serovar Enteritidis isolates is associated with pathogenicity, motility and proteins secreted by the type III secretion system. <i>Microbiology (United Kingdom)</i> , 2011, 157, 1428-1445.	0.7	77
40	Investigation of public health issues by regional field disease investigation units. <i>Preventive Veterinary Medicine</i> , 2009, 88, 90-93.	0.7	1
41	Association of <i>Mycoplasma ovipneumoniae</i> Infection with Population-Limiting Respiratory Disease in Free-Ranging Rocky Mountain Bighorn Sheep ( <i>Ovis canadensis canadensis</i> ). <i>Journal of Clinical Microbiology</i> , 2008, 46, 423-430.	1.8	88
42	Greater Diversity of Shiga Toxin-Encoding Bacteriophage Insertion Sites among <i>Escherichia coli</i> O157:H7 Isolates from Cattle than in Those from Humans. <i>Applied and Environmental Microbiology</i> , 2007, 73, 671-679.	1.4	117
43	Dissemination of antimicrobial resistant strains of <i>Campylobacter coli</i> and <i>Campylobacter jejuni</i> among cattle in Washington State and California. <i>Veterinary Microbiology</i> , 2007, 122, 306-315.	0.8	15
44	Increasing Prevalence of <i>Campylobacter jejuni</i> in Feedlot Cattle through the Feeding Period. <i>Applied and Environmental Microbiology</i> , 2005, 71, 5752-5758.	1.4	48
45	Polymorphisms in the prion precursor functional gene but not the pseudogene are associated with susceptibility to chronic wasting disease in white-tailed deer. <i>Journal of General Virology</i> , 2004, 85, 1339-1346.	1.3	152
46	The Veterinarian's Role in Controlling the Emergence and Dissemination of Drug-Resistant Bacteria. <i>Journal of Veterinary Medical Education</i> , 2003, 30, 136-139.	0.4	3
47	Mortality in Captive Elk from Salmonellosis. <i>Journal of Wildlife Diseases</i> , 2001, 37, 399-402.	0.3	16
48	Prediction of Serum IgG Concentration in Beef Calves Based on Age and Serum Gamma-Glutamyltransferase Activity. <i>Journal of Veterinary Internal Medicine</i> , 1999, 13, 123-125.	0.6	25
49	Detection of Low Serum Immunoglobulin Concentrations in Clinically Ill Calves. <i>Journal of Veterinary Internal Medicine</i> , 1999, 13, 40-43.	0.6	61
50	Cattle, Hay, and <i>E. coli</i> . <i>Science</i> , 1999, 284, 49g-49.	6.0	19
51	Detection of Low Serum Immunoglobulin Concentrations in Clinically Ill Calves. , 1999, 13, 40.		11
52	<i>Salmonella</i> Shedding in Racing Sled Dogs. <i>Journal of Veterinary Diagnostic Investigation</i> , 1997, 9, 447-448.	0.5	49
53	Prediction of Serum IgG1 Concentration in Holstein Calves Using Serum Gamma Glutamyltransferase Activity. <i>Journal of Veterinary Internal Medicine</i> , 1997, 11, 344-347.	0.6	81
54	<i>Escherichia coli</i> O157 in Cull Dairy Cows on Farm and at Slaughter. <i>Journal of Food Protection</i> , 1997, 60, 1386-1387.	0.8	30

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55	Verotoxigenic Escherichia coli Infection: U.S. Overview. Journal of Food Protection, 1997, 60, 1466-1471.	0.8	26
56	Effects of Farm Manure-Handling Practices on Escherichia coli O157 Prevalence in Cattle. Journal of Food Protection, 1997, 60, 363-366.	0.8	77
57	Epidemiology of Escherichia coli O157 in Feedlot Cattle. Journal of Food Protection, 1997, 60, 462-465.	0.8	144
58	CD4 + T lymphocytes contribute to protective immunity induced in sheep and goats by Haemonchus contortus gut antigens. Parasite Immunology, 1997, 19, 435-445.	0.7	34
59	Evaluation of a Whole Blood Glutaraldehyde Coagulation Test for the Detection of Failure of Passive Transfer in Calves. Journal of Veterinary Internal Medicine, 1996, 10, 82-84.	0.6	24
60	Clostridial Myonecrosis, Hepatitis, and Nephritis in a Llama With Vegetative Endocarditis. Journal of Veterinary Internal Medicine, 1996, 10, 94-96.	0.6	6
61	Evaluation of 3 Assays for Failure of Passive Transfer in Calves. Journal of Veterinary Internal Medicine, 1996, 10, 304-307.	0.6	188
62	An animal model of the marfan syndrome. American Journal of Medical Genetics Part A, 1990, 37, 159-165.	2.4	27
63	<i>Escherichia coli</i> O157:H7 in Reservoir Hosts. , 0, , 303-324.		1
64	The Global Epidemiology of Multiresistant Salmonella enterica Serovar Typhimurium DT104. , 0, , 217-243.		24
65	Preharvest Food Safety for Escherichia coli O157 and Other Pathogenic Shiga Toxin-Producing Strains. , 0, , 419-436.		0