Anita L Michel

List of Publications by Year
in descending order

107 papers	3,987 citations	117571 34 h-index	138417 58 g-index
110 all docs	110 docs citations	110 times ranked	2656 citing authors

#	Article	IF	Citations
1	Wildlife tuberculosis in South African conservation areas: Implications and challenges. Veterinary Microbiology, 2006, 112, 91-100.	0.8	259
2	Mycobacterium bovis at the animalâ€“human interface: A problem, or not?. Veterinary Microbiology, 2010, 140, 371-381.	0.8	248
3	Control of paratuberculosis: who, why and how. A review of 48 countries. BMC Veterinary Research, 2019, 15, 198.	0.7	219
4	NovelMycobacterium tuberculosisComplex Pathogen,M. mungi. Emerging Infectious Diseases, 2010, 16, 1296-1299.	2.0	204
5	African 1, an Epidemiologically Important Clonal Complex of Mycobacterium bovis Dominant in Mali, Nigeria, Cameroon, and Chad. Journal of Bacteriology, 2009, 191, 1951-1960.	1.0	125
6	European 1: A globally important clonal complex of Mycobacterium bovis. Infection, Genetics and Evolution, 2011, 11, 1340-1351.	1.0	107
7	African 2, a Clonal Complex of Mycobacterium bovis Epidemiologically Important in East Africa. Journal of Bacteriology, 2011, 193, 670-678.	1.0	96
8	Molecular epidemiology of Mycobacterium bovis isolates from free-ranging wildlife in South African game reserves. Veterinary Microbiology, 2009, 133, 335-343.	0.8	92
9	A review of bovine tuberculosis at the wildlifeâ€“livestockâ€“human interface in sub-Saharan Africa. Epidemiology and Infection, 2013, 141, 1342-1356.	1.0	89
10	Mycobacterium tuberculosis: An Emerging Disease of Free-Ranging Wildlife. Emerging Infectious Diseases, 2002, 8, 598-601.	2.0	88
11	Mycobacterium avium and Mycobacterium intracellulare infection in mammals. OIE Revue Scientifique Et Technique, 2001, 20, 204-218.	0.5	88
12	Evidence of increasing intra and inter-species transmission of Mycobacterium bovis in South Africa: Are we losing the battle?. Preventive Veterinary Medicine, 2014, 115, 10-17.	0.7	72
13	Disease, predation and demography: assessing the impacts of bovine tuberculosis on African buffalo by monitoring at individual and population levels. Journal of Applied Ecology, 2009, 46, 467-475.	1.9	71
14	Tuberculosis in Tanzanian Wildlife. Journal of Wildlife Diseases, 2005, 41, 446-453.	0.3	69
15	Zoonotic tuberculosis and brucellosis in Africa: neglected zoonoses or minor public-health issues? The outcomes of a multi-disciplinary workshop. Annals of Tropical Medicine and Parasitology, 2009, 103, 401-411.	1.6	69
16	High Mycobacterium bovis genetic diversity in a low prevalence setting. Veterinary Microbiology, 2008, 126, 151-159.	0.8	68
17	Bovine tuberculosis as a model for human tuberculosis: advantages over small animal models. Microbes and Infection, 2008, 10, 711-715.	1.0	59
18	Approaches towards optimising the gamma interferon assay for diagnosing Mycobacterium bovis infection in African buffalo (Syncerus caffer). Preventive Veterinary Medicine, 2011, 98, 142-151.	0.7	58

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19	Implications of Tuberculosis in African Wildlife and Livestock. Annals of the New York Academy of Sciences, 2002, 969, 251-255.	1.8	55
20	Spillover ofMycobacterium bovisfrom Wildlife to Livestock, South â€˜Africa. Emerging Infectious Diseases, 2015, 21, 448-451.	2.0	55
21	Purified Compounds and Extracts from Euclea Species with Antimycobacterial Activity against Mycobacterium bovis and Fast-Growing Mycobacteria. Biological and Pharmaceutical Bulletin, 2008, 31, 1429-1433.	0.6	53
22	The African buffalo: A villain for inter-species spread of infectious diseases in southern Africa. Onderstepoort Journal of Veterinary Research, 2012, 79, 453.	0.6	53
23	Bovine Tuberculosis in Buffaloes, Southern Africa. Emerging Infectious Diseases, 2010, 16, 884-885.	2.0	50
24	Bovine tuberculosis in African buffaloes: observations regarding Mycobacterium bovis shedding into water and exposure to environmental mycobacteria. BMC Veterinary Research, 2007, 3, 23.	0.7	49
25	Facts and dilemmas in diagnosis of tuberculosis in wildlife. Comparative Immunology, Microbiology and Infectious Diseases, 2013, 36, 269-285.	0.7	46
26	Intradermal tuberculin testing of wild African lions (Panthera leo) naturally exposed to infection with Mycobacterium bovis. Veterinary Microbiology, 2010, 144, 384-391.	0.8	43
27	A preliminary investigation of tuberculosis and other diseases in African buffalo (<i>Syncerus) Tj ETQq1 1 0.784314 rgBT /Overlo Research, 2005, 72, 145-51.	0.6	41
28	Mapping of Mycobacterium tuberculosis Complex Genetic Diversity Profiles in Tanzania and Other African Countries. PLoS ONE, 2016, 11, e0154571.	1.1	41
29	Evaluation of a PCR test for the diagnosis of Tritrichomonas foetus infection in bulls: effects of sample collection method, storage and transport medium on the test. Theriogenology, 2003, 60, 1269-1278.	0.9	40
30	Prevalence and Distribution of Non-Tuberculous Mycobacteria (NTM) in Cattle, African Buffaloes (Syncerus caffer) and their Environments in South Africa. Transboundary and Emerging Diseases, 2013, 60, 74-84.	1.3	40
31	MYCOBACTERIUM TUBERCULOSIS INFECTIONS IN EIGHT SPECIES AT THE NATIONAL ZOOLOGICAL GARDENS OF SOUTH AFRICA, 1991â€“2001. Journal of Zoo and Wildlife Medicine, 2003, 34, 364-370.	0.3	39
32	Prevalence and risk factors for infection of bovine tuberculosis in indigenous cattle in the Serengeti ecosystem, Tanzania. BMC Veterinary Research, 2013, 9, 267.	0.7	39
33	Accuracy of Three Diagnostic Tests for Determining Mycobacterium Bovis Infection Status in Live-Sampled Wild Meerkats (Suricata Suricatta). Journal of Veterinary Diagnostic Investigation, 2009, 21, 31-39.	0.5	35
34	Progenitor strain introduction of Mycobacterium bovis at the wildlife-livestock interface can lead to clonal expansion of the disease in a single ecosystem. Infection, Genetics and Evolution, 2017, 51, 235-238.	1.0	35
35	The gamma-interferon test: its usefulness in a bovine tuberculosis survey in African buffaloes (Syncerus caffer) in the Kruger National Park. Onderstepoort Journal of Veterinary Research, 2002, 69, 221-7.	0.6	35
36	Molecular characterisation of <i>Mycobacterium bovis</i> isolated from African buffaloes (<i>Syncerus caffer</i>) in Hluhluwe-iMfolozi Park in KwaZulu-Natal, South Africa. Onderstepoort Journal of Veterinary Research, 2011, 78, 232.	0.6	34

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37	Genetic profiling of Mycobacterium bovis strains from slaughtered cattle in Eritrea. PLoS Neglected Tropical Diseases, 2018, 12, e0006406.	1.3	34
38	Species diversity of non-tuberculous mycobacteria isolated from humans, livestock and wildlife in the Serengeti ecosystem, Tanzania. BMC Infectious Diseases, 2014, 14, 616.	1.3	32
39	Non-tuberculous Mycobacterium species causing mycobacteriosis in farmed aquatic animals of South Africa. BMC Microbiology, 2018, 18, 32.	1.3	32
40	BCG vaccination failed to protect yearling African buffaloes (Syncerus caffer) against experimental intratonsilar challenge with Mycobacterium bovis. Veterinary Immunology and Immunopathology, 2010, 137, 84-92.	0.5	31
41	INFECTION OF AFRICAN BUFFALO (SYNCERUS CAFFER) BY ORYX BACILLUS, A RARE MEMBER OF THE ANTELOPE CLADE OF THE MYCOBACTERIUM TUBERCULOSIS COMPLEX. Journal of Wildlife Diseases, 2012, 48, 849-857.	0.3	31
42	Comparative Genomics and Proteomic Analysis of Four Non-tuberculous Mycobacterium Species and Mycobacterium tuberculosis Complex: Occurrence of Shared Immunogenic Proteins. Frontiers in Microbiology, 2016, 7, 795.	1.5	30
43	Low crossâ€reactivity of Tâ€cell responses against lipids from Mycobacterium bovis and M. avium paratuberculosis during natural infection. European Journal of Immunology, 2009, 39, 3031-3041.	1.6	29
44	Cross reactive immune responses in cattle arising from exposure to Mycobacterium bovis and non-tuberculous mycobacteria. Preventive Veterinary Medicine, 2018, 152, 16-22.	0.7	29
45	Zoonotic Tuberculosis â€“ The Changing Landscape. International Journal of Infectious Diseases, 2021, 113, S68-S72.	1.5	29
46	Fluorescence polarization assay for the detection of antibodies to Mycobacterium bovis in bovine sera. Veterinary Microbiology, 2007, 120, 113-121.	0.8	28
47	Pulmonary Infection due to Mycobacterium bovis in a Black Rhinoceros (Diceros bicornis minor) in South Africa. Journal of Wildlife Diseases, 2009, 45, 1187-1193.	0.3	28
48	Isolation and Potential for Transmission ofMycobacterium bovisat Human-livestock-wildlife Interface of the Serengeti Ecosystem, Northern Tanzania. Transboundary and Emerging Diseases, 2017, 64, 815-825.	1.3	28
49	Cloning, sequencing and expression of white rhinoceros (Ceratotherium simum) interferon-gamma (IFN-Î³) and the production of rhinoceros IFN-Î³ specific antibodies. Veterinary Immunology and Immunopathology, 2007, 115, 146-154.	0.5	27
50	Evaluation of the Discriminatory Power of Variable Number of Tandem Repeat Typing ofMycobacterium bovisIsolates from Southern Africa. Transboundary and Emerging Diseases, 2013, 60, 111-120.	1.3	27
51	Tuberculosis in Rhinoceros: An Underrecognized Threat?. Transboundary and Emerging Diseases, 2017, 64, 1071-1078.	1.3	27
52	Longevity of Mycobacterium bovis in Raw and Traditional Souring Milk as a Function of Storage Temperature and Dose. PLoS ONE, 2015, 10, e0129926.	1.1	26
53	Mycobacterium Fortuitum Infection Interference with Mycobacterium Bovis Diagnostics: Natural Infection Cases and a Pilot Experimental Infection. Journal of Veterinary Diagnostic Investigation, 2008, 20, 501-503.	0.5	25
54	Paratuberculosis in sheep: an emerging disease in South Africa. Veterinary Microbiology, 2000, 77, 299-307.	0.8	24

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55	The Elephant Interferon Gamma Assay: A Contribution to Diagnosis of Tuberculosis in Elephants. Transboundary and Emerging Diseases, 2013, 60, 53-59.	1.3	24
56	Genetic diversity of Mycobacterium tuberculosis isolated from tuberculosis patients in the Serengeti ecosystem in Tanzania. Tuberculosis, 2015, 95, 170-178.	0.8	24
57	WILDLIFE ON THE MOVE: A HIDDEN TUBERCULOSIS THREAT TO CONSERVATION AREAS AND GAME FARMS THROUGH INTRODUCTION OF UNTESTED ANIMALS. Journal of Wildlife Diseases, 2016, 52, 837-843.	0.3	24
58	Experimental Mycobacterium bovis infection in three white rhinoceroses (Ceratotherium simum): Susceptibility, clinical and anatomical pathology. PLoS ONE, 2017, 12, e0179943.	1.1	24
59	Risk practices for bovine tuberculosis transmission to cattle and livestock farming communities living at wildlife-livestock-human interface in northern KwaZulu Natal, South Africa. PLoS Neglected Tropical Diseases, 2020, 14, e0007618.	1.3	24
60	Mycobacterium tuberculosisat the Human/Wildlife Interface in a High TB Burden Country. Transboundary and Emerging Diseases, 2013, 60, 46-52.	1.3	23
61	Challenges for controlling bovine tuberculosis in South Africa. Onderstepoort Journal of Veterinary Research, 2020, 87, e1-e8.	0.6	23
62	Bovine Tuberculosis and Brucellosis in Cattle and African Buffalo in the Limpopo National Park, Mozambique. Transboundary and Emerging Diseases, 2015, 62, 632-638.	1.3	19
63	Risk Factors for Zoonotic Tuberculosis at the Wildlifeâ€“Livestockâ€“Human Interface in South Africa. Pathogens, 2019, 8, 101.	1.2	19
64	Field application of immunoassays for the detection of Mycobacterium bovis infection in the African buffalo (Syncerus caffer). Veterinary Immunology and Immunopathology, 2016, 169, 68-73.	0.5	18
65	Tracing cross species transmission of Mycobacterium bovis at the wildlife/livestock interface in South Africa. BMC Microbiology, 2020, 20, 49.	1.3	18
66	Tracing movement of African buffalo in southern Africa. OIE Revue Scientifique Et Technique, 2001, 20, 630-639.	0.5	18
67	Prevalence and risk factors of bovine tuberculosis in dairy cattle in Eritrea. BMC Veterinary Research, 2016, 12, 80.	0.7	17
68	Immune response profiles of calves following vaccination with live BCG and inactivated Mycobacterium bovis vaccine candidates. PLoS ONE, 2017, 12, e0188448.	1.1	17
69	Towards Establishing a Rhinoceros-Specific Interferon-Gamma (IFN-Î³) Assay for Diagnosis of Tuberculosis. Transboundary and Emerging Diseases, 2013, 60, 60-66.	1.3	16
70	The Kinetics of the Humoral and Interferon-Gamma Immune Responses to Experimental Mycobacterium bovis Infection in the White Rhinoceros (Ceratotherium simum). Frontiers in Immunology, 2017, 8, 1831.	2.2	16
71	Development of a lion-specific interferon-gamma assay. Veterinary Immunology and Immunopathology, 2012, 149, 292-297.	0.5	15
72	An assessment of Zoonotic and Production Limiting Pathogens in Rusa Deer (Cervus timorensis) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.3	15

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73	DIAGNOSIS AND IMPLICATIONS OF MYCOBACTERIUM BOVIS INFECTION IN BANDED MONGOOSES (MUNGOS MUNGO) IN THE KRUGER NATIONAL PARK, SOUTH AFRICA. Journal of Wildlife Diseases, 2017, 53, 19-29.	0.3	15
74	Mycobacterium malmesburyense sp. nov., a non-tuberculous species of the genus Mycobacterium revealed by multiple gene sequence characterization. International Journal of Systematic and Evolutionary Microbiology, 2017, 67, 832-838.	0.8	15
75	Pulmonary Infection Due to Mycobacterium goodii in a Spotted Hyena (Crocuta crocuta) from South Africa. Journal of Wildlife Diseases, 2008, 44, 151-154.	0.3	14
76	Prevalence of Mycobacterium bovis infection in traditionally managed cattle at the wildlife-livestock interface in South Africa in the absence of control measures. Veterinary Research Communications, 2019, 43, 155-164.	0.6	14
77	Comparative field evaluation of two rapid immunochromatographic tests for the diagnosis of bovine tuberculosis in African buffaloes (Syncerus caffer). Veterinary Immunology and Immunopathology, 2009, 127, 186-189.	0.5	13
78	Preliminary Assessment of Bovine Tuberculosis at the Livestock/Wildlife Interface in two Protected Areas of Northern Botswana. Transboundary and Emerging Diseases, 2013, 60, 28-36.	1.3	13
79	Cooking and drying as effective mechanisms in limiting the zoonotic effect of Mycobacterium bovis in beef. Journal of the South African Veterinary Association, 2009, 80, 142-145.	0.2	12
80	Wildlife-cattle interactions emerge as drivers of bovine tuberculosis in traditionally farmed cattle. Preventive Veterinary Medicine, 2020, 174, 104847.	0.7	12
81	Mycobacterium bovis prevalence affects the performance of a commercial serological assay for bovine tuberculosis in African buffaloes. Comparative Immunology, Microbiology and Infectious Diseases, 2020, 70, 101369.	0.7	11
82	Mycobacterial Arthritis and Synovitis in Painted Reed Frogs (Hyperolius marmoratus). Journal of Comparative Pathology, 2017, 156, 275-280.	0.1	10
83	Tuberculosis serosurveillance and management practices of captive African elephants (Loxodonta) Tj ETQq1 1 0.784314 rgBT /Ove Diseases, 2018, 65, e344-e354.	1.3	9
84	First detection ofMycobacterium bovisinfection in Giraffe (Giraffa camelopardalis) in the Greater Kruger National Park Complex: Role and implications. Transboundary and Emerging Diseases, 2019, 66, 2264-2270.	1.3	9
85	An investigation of the effects of secondary processing on Mycobacterium spp. in naturally infected game meat and organs. Journal of the South African Veterinary Association, 2010, 81, 166-169.	0.2	8
86	Raising the Political Profile of the Neglected Zoonotic Diseases: Three Complementary European Commission-Funded Projects to Streamline Research, Build Capacity and Advocate for Control. PLoS Neglected Tropical Diseases, 2015, 9, e0003505.	1.3	8
87	Comparative proteomics identified immune response proteins involved in response to vaccination with heat-inactivated Mycobacterium bovis and mycobacterial challenge in cattle. Veterinary Immunology and Immunopathology, 2018, 206, 54-64.	0.5	8
88	Preface. Transboundary and Emerging Diseases, 2013, 60, i-i.	1.3	7
89	Isolation and molecular characterization of Mycobacterium bovis causing pulmonary tuberculosis and epistaxis in a Thoroughbred horse. BMC Veterinary Research, 2016, 12, 179.	0.7	7
90	Original Mycobacterial Sin, a consequence of highly homologous antigens?. Veterinary Microbiology, 2017, 203, 286-293.	0.8	7

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91	Prevalence of bovine tuberculosis in cattle, goats, and camels of traditional livestock raising communities in Eritrea. BMC Veterinary Research, 2018, 14, 73.	0.7	7
92	Drug-Resistant Tuberculosis in Pet Ring-Tailed Lemur, Madagascar. Emerging Infectious Diseases, 2021, 27, 977-979.	2.0	7
93	Mycobacterium komaniense sp. nov., a rapidly growing non-tuberculous Mycobacterium species detected in South Africa. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1526-1532.	0.8	7
94	Farm-level risk factors associated with bovine tuberculosis in the dairy sector in Eritrea. Transboundary and Emerging Diseases, 2018, 65, 105-113.	1.3	6
95	Zoonotic tuberculosisâ€"a call for an open One Health debate. Lancet Infectious Diseases, The, 2020, 20, 642-644.	4.6	6
96	Molecular Epidemiology of Mycobacterium bovis in Africa. , 2019, , 127-169.		5
97	Tuberculosis patients at the human-animal interface: Potential zooanthroponotic and zoonotic transmission. One Health, 2021, 13, 100319.	1.5	5
98	Pathogen detection and disease diagnosis in wildlife: challenges and opportunities. OIE Revue Scientifique Et Technique, 2021, 40, 105-118.	0.5	5
99	Retrospective study of bacterial and fungal causes of abortion in domestic ruminants in northern regions of South Africa (2006â€"2016). Australian Veterinary Journal, 2021, 99, 66-71.	0.5	4
100	Tuberculosis in African Wildlife. , 2019, , 57-72.		2
101	Detection of native interferon-Î³ in nyala (Tragelaphus angasii): Towards diagnosing tuberculosis. Onderstepoort Journal of Veterinary Research, 2019, 86, e1-e3.	0.6	2
102	Characteristics of tuberculosis patients and the evaluation of compliance to the national TB management guidelines at clinics in a rural community from Mpumalanga province, South Africa. Southern African Journal of Infectious Diseases, 2016, 31, 135-137.	0.3	2
103	Mycobacterial infections in equids: Clinical characteristics and diagnostic techniques. Equine Veterinary Education, 2018, 30, 197-199.	0.3	1
104	Tuberculosis Infection: Occurrence and Risk Factors in Presumptive Tuberculosis Patients of the Serengeti Ecosystem in Tanzania. The East African Health Research Journal, 2017, 1, 19-30.	0.6	1
105	Characteristics of tuberculosis patients and the evaluation of compliance to the national TB management guidelines at clinics in a rural community from Mpumalanga province, South Africa. Southern African Journal of Infectious Diseases, 2015, 31, 135-137.	0.3	0
106	Bovine TB Zoonosis in Africa. , 2019, , 31-40.		0
107	BTB Control Strategies in Livestock and Wildlife in South Africa. , 2019, , 387-401.		0