Beatriz Romero MartÃ-nez

List of Publications by Year
in descending order

100 papers	3,119 citations	126907 33 h-index	189892 50 g-index
100 all docs	100 docs citations	100 times ranked	1679 citing authors

#	Article	IF	Citations
1	Bovine Tuberculosis (Mycobacterium bovis) in Wildlife in Spain. Journal of Clinical Microbiology, 2004, 42, 2602-2608.	3.9	166
2	Protection against Tuberculosis in Eurasian Wild Boar Vaccinated with Heat-Inactivated Mycobacterium bovis. PLoS ONE, 2011, 6, e24905.	2.5	108
3	European 1: A globally important clonal complex of Mycobacterium bovis. Infection, Genetics and Evolution, 2011, 11, 1340-1351.	2.3	107
4	Current ante-mortem techniques for diagnosis of bovine tuberculosis. Research in Veterinary Science, 2014, 97, S44-S52.	1.9	102
5	High spoligotype diversity within a Mycobacterium bovis population: Clues to understanding the demography of the pathogen in Europe. Veterinary Microbiology, 2010, 141, 89-95.	1.9	94
6	Assessment of diagnostic tools for eradication of bovine tuberculosis in cattle co-infected withMycobacterium bovisandM. aviumsubsp.paratuberculosis. Veterinary Research, 2006, 37, 593-606.	3.0	91
7	Mycobacterium capraeInfection in Livestock and Wildlife, Spain. Emerging Infectious Diseases, 2011, 17, 532-535.	4.3	91
8	Interference of paratuberculosis with the diagnosis of tuberculosis in a goat flock with a natural mixed infection. Veterinary Microbiology, 2008, 128, 72-80.	1.9	83
9	Effect of paratuberculosis on the diagnosis of bovine tuberculosis in a cattle herd with a mixed infection using interferon-gamma detection assay. Veterinary Microbiology, 2009, 135, 389-393.	1.9	82
10	First data on Eurasian wild boar response to oral immunization with BCG and challenge with a Mycobacterium bovis field strain. Vaccine, 2009, 27, 6662-6668.	3.8	77
11	European 2 â€“ A clonal complex of Mycobacterium bovis dominant in the Iberian Peninsula. Infection, Genetics and Evolution, 2012, 12, 866-872.	2.3	74
12	Persistence and molecular evolution of Mycobacterium bovis population from cattle and wildlife in DoÃ±ana National Park revealed by genotype variation. Veterinary Microbiology, 2008, 132, 87-95.	1.9	67
13	Antibody detection tests improve the sensitivity of tuberculosis diagnosis in cattle. Research in Veterinary Science, 2017, 112, 214-221.	1.9	64
14	Comparison of Four Different Culture Media for Isolation and Growth of Type II and Type I/III Mycobacterium avium subsp. paratuberculosis Strains Isolated from Cattle and Goats. Applied and Environmental Microbiology, 2006, 72, 5927-5932.	3.1	60
15	Evidence of goats acting as domestic reservoirs of bovine tuberculosis. Veterinary Record, 2013, 172, 663-663.	0.3	59
16	Polymorphisms in gyrA and gyrB Genes among Mycobacterium avium subsp. paratuberculosis Type I, II, and III Isolates. Journal of Clinical Microbiology, 2007, 45, 3439-3442.	3.9	53
17	Wild boar tuberculosis in Iberian Atlantic Spain: a different picture from Mediterranean habitats. BMC Veterinary Research, 2013, 9, 176.	1.9	53
18	Eradication of bovine tuberculosis at a herd-level in Madrid, Spain: study of within-herd transmission dynamics over a 12â€‰year period. BMC Veterinary Research, 2012, 8, 100.	1.9	52

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19	Oral Vaccination with Heat Inactivated Mycobacterium bovis Activates the Complement System to Protect against Tuberculosis. PLoS ONE, 2014, 9, e98048.	2.5	52
20	A Bayesian approach to study the risk variables for tuberculosis occurrence in domestic and wild ungulates in South Central Spain. BMC Veterinary Research, 2012, 8, 148.	1.9	49
21	Sheep as a Potential Source of Bovine TB: Epidemiology, Pathology and Evaluation of Diagnostic Techniques. Transboundary and Emerging Diseases, 2016, 63, 635-646.	3.0	49
22	Proteomic characterisation of bovine and avian purified protein derivatives and identification of specific antigens for serodiagnosis of bovine tuberculosis. Clinical Proteomics, 2017, 14, 36.	2.1	49
23	Evaluation of two cocktails containing ESAT-6, CFP-10 and Rv-3615c in the intradermal test and the interferon-Î³ assay for diagnosis of bovine tuberculosis. Preventive Veterinary Medicine, 2012, 105, 149-154.	1.9	46
24	Molecular epidemiology of Types I/III strains of Mycobacterium avium subspecies paratuberculosis isolated from goats and cattle. Veterinary Microbiology, 2006, 115, 102-110.	1.9	45
25	Epidemiological Investigation of Bovine Tuberculosis Herd Breakdowns in Spain 2009/2011. PLoS ONE, 2014, 9, e104383.	2.5	45
26	Impact of piglet oral vaccination against tuberculosis in endemic free-ranging wild boar populations. Preventive Veterinary Medicine, 2018, 155, 11-20.	1.9	43
27	Humans as Source ofMycobacterium tuberculosisInfection in Cattle, Spain. Emerging Infectious Diseases, 2011, 17, 2393-2395.	4.3	42
28	Limitations of Spoligotyping and Variable-Number Tandem-Repeat Typing for Molecular Tracing of Mycobacterium bovis in a High-Diversity Setting. Journal of Clinical Microbiology, 2011, 49, 3361-3364.	3.9	42
29	Risk factors associated with negative in-vivodiagnostic results in bovine tuberculosis-infected cattle in Spain. BMC Veterinary Research, 2014, 10, 14.	1.9	41
30	Mycobacterium avium subspecies paratuberculosis in fallow deer and wild boar in Spain. Veterinary Record, 2005, 156, 212-213.	0.3	40
31	Splitting of a Prevalent Mycobacterium bovis Spoligotype by Variable-Number Tandem-Repeat Typing Reveals High Heterogeneity in an Evolving Clonal Group. Journal of Clinical Microbiology, 2013, 51, 3658-3665.	3.9	40
32	Epidemiological investigation of aMycobacterium aviumsubsp.hominissuisoutbreak in swine. Epidemiology and Infection, 2011, 139, 143-148.	2.1	39
33	Validation of a Real-Time PCR for the Detection of Mycobacterium tuberculosis Complex Members in Bovine Tissue Samples. Frontiers in Veterinary Science, 2019, 6, 61.	2.2	39
34	Tuberculosis in goats: Assessment of current in vivo cell-mediated and antibody-based diagnostic assays. Veterinary Journal, 2012, 191, 161-165.	1.7	35
35	A database for animal tuberculosis (mycoDB.es) within the context of the Spanish national programme for eradication of bovine tuberculosis. Infection, Genetics and Evolution, 2012, 12, 877-882.	2.3	34
36	Experimental infection with Mycobacterium caprae in goats and evaluation of immunological status in tuberculosis and paratuberculosis co-infected animals. Veterinary Immunology and Immunopathology, 2010, 133, 269-275.	1.2	32

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37	Goats challenged with different members of the Mycobacterium tuberculosis complex display different clinical pictures. Veterinary Immunology and Immunopathology, 2015, 167, 185-189.	1.2	32
38	Long-Term Assessment of Wild Boar Harvesting and Cattle Removal for Bovine Tuberculosis Control in Free Ranging Populations. PLoS ONE, 2014, 9, e88824.	2.5	32
39	Molecular characterization of Mycobacterium avium subspecies paratuberculosis Types II and III isolates by a combination of MIRUâ€“VNTR loci. Veterinary Microbiology, 2010, 144, 118-126.	1.9	30
40	Genetic Diversity of Mycobacterium avium Isolates Recovered from Clinical Samples and from the Environment: Molecular Characterization for Diagnostic Purposes. Journal of Clinical Microbiology, 2008, 46, 1246-1251.	3.9	29
41	Assessment of an Oral Mycobacterium bovis BCG Vaccine and an Inactivated M. bovis Preparation for Wild Boar in Terms of Adverse Reactions, Vaccine Strain Survival, and Uptake by Nontarget Species. Vaccine Journal, 2014, 21, 12-20.	3.1	29
42	Comparative Genomics of Field Isolates of Mycobacterium bovis and M. caprae Provides Evidence for Possible Correlates with Bacterial Viability and Virulence. PLoS Neglected Tropical Diseases, 2015, 9, e0004232.	3.0	28
43	Bovine tuberculosis: Within-herd transmission models to support and direct the decision-making process. Research in Veterinary Science, 2014, 97, S61-S68.	1.9	27
44	Specificity of serological test for detection of tuberculosis in cattle, goats, sheep and pigs under different epidemiological situations. BMC Veterinary Research, 2019, 15, 70.	1.9	27
45	Single Nucleotide Polymorphisms in the IS 900 Sequence of Mycobacterium avium subsp. paratuberculosis Are Strain Type Specific. Journal of Clinical Microbiology, 2009, 47, 2260-2264.	3.9	26
46	Molecular Epidemiology of Multidrug-Resistant Mycobacterium bovis Isolates with the Same Spoligotyping Profile as Isolates from Animals. Journal of Clinical Microbiology, 2006, 44, 3405-3408.	3.9	24
47	Evaluation of specificity of tuberculosis diagnostic assays in caprine flocks under different epidemiological situations. Research in Veterinary Science, 2012, 93, 636-640.	1.9	24
48	Testing Eurasian wild boar piglets for serum antibodies against Mycobacterium bovis. Preventive Veterinary Medicine, 2015, 121, 93-98.	1.9	24
49	Evaluation of the immunogenicity and efficacy of BCG and MTBVAC vaccines using a natural transmission model of tuberculosis. Veterinary Research, 2019, 50, 82.	3.0	22
50	Effect of the inoculation site of bovine purified protein derivative (PPD) on the skin fold thickness increase in cattle from officially tuberculosis free and tuberculosis-infected herds. Preventive Veterinary Medicine, 2015, 121, 86-92.	1.9	21
51	Evaluation of single and comparative intradermal tuberculin tests for tuberculosis eradication in caprine flocks in Castilla y LeÃ³n (Spain). Research in Veterinary Science, 2014, 96, 39-46.	1.9	20
52	The use of serological tests in combination with the intradermal tuberculin test maximizes the detection of tuberculosis infected goats. Veterinary Immunology and Immunopathology, 2018, 199, 43-52.	1.2	20
53	Environmental DNA: A promising factor for tuberculosis risk assessment in multi-host settings. PLoS ONE, 2020, 15, e0233837.	2.5	20
54	Evaluation of the performance of cellular and serological diagnostic tests for the diagnosis of tuberculosis in an alpaca (Vicugna pacos) herd naturally infected with Mycobacterium bovis. Preventive Veterinary Medicine, 2013, 111, 304-313.	1.9	19

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55	Factors influencing the performance of an interferon-Î³ assay for the diagnosis of tuberculosis in goats. Veterinary Journal, 2011, 190, 131-135.	1.7	17
56	Assessment of in vivo and in vitro tuberculosis diagnostic tests in Mycobacterium caprae naturally infected caprine flocks. Preventive Veterinary Medicine, 2011, 100, 187-192.	1.9	17
57	Evaluation of the immunogenicity and diagnostic interference caused by M. tuberculosis SO2 vaccination against tuberculosis in goats. Research in Veterinary Science, 2015, 103, 73-79.	1.9	17
58	A new test to detect antibodies against Mycobacterium tuberculosis complex in red deer serum. Veterinary Journal, 2019, 244, 98-103.	1.7	17
59	Spatial Dynamics of Bovine Tuberculosis in the Autonomous Community of Madrid, Spain (2010â€“2012). PLoS ONE, 2014, 9, e115632.	2.5	16
60	Spoligotyping Profile Change Caused by Deletion of a Direct Variable Repeat in a Mycobacterium tuberculosis Isogenic Laboratory Strain. Journal of Clinical Microbiology, 2004, 42, 5388-5391.	3.9	15
61	Temporal analysis of the interference caused by paratuberculosis vaccination on the tuberculosis diagnostic tests in goats. Preventive Veterinary Medicine, 2018, 156, 68-75.	1.9	15
62	Experimental infection of Eurasian wild boar with Mycobacterium avium subsp. avium. Veterinary Microbiology, 2010, 144, 240-245.	1.9	14
63	Tonsils of the Soft Palate Do Not Mediate the Response of Pigs to Oral Vaccination with Heat-Inactivated Mycobacterium bovis. Vaccine Journal, 2014, 21, 1128-1136.	3.1	14
64	Bovine tuberculosis: Historical perspective. Research in Veterinary Science, 2014, 97, S3-S4.	1.9	14
65	Evaluation of the Mycobacterium tuberculosis SO2 vaccine using a natural tuberculosis infection model in goats. Veterinary Journal, 2017, 223, 60-67.	1.7	14
66	Multiple sampling and discriminatory fingerprinting reveals clonally complex and compartmentalized infections by M. bovis in cattle. Veterinary Microbiology, 2015, 175, 99-104.	1.9	13
67	Improvement of spoligotyping with additional spacer sequences for characterization of Mycobacterium bovis and M. caprae isolates from Spain. Tuberculosis, 2007, 87, 437-445.	1.9	12
68	Drug susceptibility of Spanish Mycobacterium tuberculosis complex isolates from animals. Tuberculosis, 2007, 87, 565-571.	1.9	12
69	Tuberculosis Epidemiology in Islands: Insularity, Hosts and Trade. PLoS ONE, 2013, 8, e71074.	2.5	12
70	Detailed chronological analysis of microevolution events in herds infected persistently by Mycobacterium bovis. Veterinary Microbiology, 2016, 183, 97-102.	1.9	11
71	Response of goats to intramuscular vaccination with heat-killed Mycobacterium bovis and natural challenge. Comparative Immunology, Microbiology and Infectious Diseases, 2018, 60, 28-34.	1.6	11
72	Molecular and epidemiological population-based integrative analysis of human and animal Mycobacterium bovis infections in a low-prevalence setting. Veterinary Microbiology, 2016, 195, 30-36.	1.9	10

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73	Evaluation of a new enzyme-linked immunosorbent assay for the diagnosis of tuberculosis in goat milk. Research in Veterinary Science, 2020, 128, 217-223.	1.9	10
74	Spatial and Temporal Distribution of Mycobacterium tuberculosis Complex Infection in Eurasian Badger (Meles meles) and Cattle in Asturias, Spain. Animals, 2021, 11, 1294.	2.3	10
75	Oral Vaccination with Heat-Inactivated Mycobacterium bovis Does Not Interfere with the Antemortem Diagnostic Techniques for Tuberculosis in Goats. Frontiers in Veterinary Science, 2017, 4, 124.	2.2	9
76	Evaluation of the performance of slaughterhouse surveillance for bovine tuberculosis detection in Castilla y Leon, Spain. Preventive Veterinary Medicine, 2021, 189, 105307.	1.9	9
77	High-throughput multiplex MIRU-VNTR typing of Mycobacterium bovis. Research in Veterinary Science, 2014, 96, 422-425.	1.9	8
78	Animal tuberculosis due to Mycobacterium bovis in Eurasian wild boar from Morocco. European Journal of Wildlife Research, 2016, 62, 479-482.	1.4	8
79	Genetic diversity assessment of Tunisian Mycobacterium bovis population isolated from cattle. BMC Veterinary Research, 2017, 13, 393.	1.9	8
80	Direct PCR on Tissue Samples To Detect Mycobacterium tuberculosis Complex: an Alternative to the Bacteriological Culture. Journal of Clinical Microbiology, 2021, 59, .	3.9	8
81	MALDI-TOF Mass Spectrometry as a Rapid Screening Alternative for Non-tuberculous Mycobacterial Species Identification in the Veterinary Laboratory. Frontiers in Veterinary Science, 2022, 9, 827702.	2.2	8
82	Lesional patterns associated with mycobacteriosis in an <scp>A</scp>tlantic horse mackerel, <scp>T</scp>rachurus trachurus (L.), aquarium population. Journal of Fish Diseases, 2014, 37, 591-595.	1.9	7
83	Lack of interference with diagnostic testing for tuberculosis in goats experimentally exposed to Corynebacterium pseudotuberculosis. Veterinary Journal, 2015, 205, 113-115.	1.7	7
84	Evidence of disseminated infection by Mycobacterium avium subspecies hominissuis in a pet ferret (Mustela putorius furo). Research in Veterinary Science, 2016, 109, 52-55.	1.9	7
85	Evaluation of Risk Factors Associated With Herds With an Increased Duration of Bovine Tuberculosis Breakdowns in Castilla y Leon, Spain (2010â€“2017). Frontiers in Veterinary Science, 2020, 7, 545328.	2.2	7
86	Is targeted removal a suitable means for tuberculosis control in wild boar?. Preventive Veterinary Medicine, 2016, 135, 132-135.	1.9	6
87	Multilaboratory Evaluation of a Novel Lateral Flow Immunochromatographic Assay for Confirming Isolation of Mycobacterium bovis from Veterinary Diagnostic Specimens. Journal of Clinical Microbiology, 2017, 55, 3411-3425.	3.9	6
88	Tuberculosis vaccination sequence effect on protection in wild boar. Comparative Immunology, Microbiology and Infectious Diseases, 2019, 66, 101329.	1.6	6
89	Evaluation of the specificity of intradermal tuberculin and serological tests for diagnosis of tuberculosis in alpaca (Vicugna pacos) and llama (Lama glama) herds under field conditions in Peru. Veterinary Record, 2014, 174, 532-532.	0.3	5
90	Evaluation of the use of a needle-free injection syringe as a cause of non-specific reactions in the intradermal tuberculin test used for the diagnosis of bovine tuberculosis. Research in Veterinary Science, 2018, 119, 56-60.	1.9	5

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91	High discrimination of Mycobacterium bovis isolates in Brazilian herds by spoligotyping. Preventive Veterinary Medicine, 2020, 179, 104976.	1.9	5
92	Evaluation of P22 ELISA for the Detection of Mycobacterium bovis-Specific Antibody in the Oral Fluid of Goats. Frontiers in Veterinary Science, 2021, 8, 674636.	2.2	5
93	Effect of the Inoculation Site of Bovine and Avian Purified Protein Derivatives (PPDs) on the Performance of the Intradermal Tuberculin Test in Goats From Tuberculosis-Free and Infected Herds. Frontiers in Veterinary Science, 2021, 8, 722825.	2.2	5
94	Study of peripheral blood cell populations involved in the immune response of goats naturally infected with Mycobacterium caprae. Research in Veterinary Science, 2012, 93, 163-167.	1.9	4
95	Complete Genome Sequences of Field Isolates of Mycobacterium bovis and Mycobacterium caprae. Genome Announcements, 2015, 3, .	0.8	4
96	Polyresistant Mycobacterium bovis Infection in Human and Sympatric Sheep, Spain, 2017â€“2018. Emerging Infectious Diseases, 2021, 27, 1241-1243.	4.3	4
97	Performance and Agreement Between WGS Variant Calling Pipelines Used for Bovine Tuberculosis Control: Toward International Standardization. Frontiers in Veterinary Science, 2021, 8, 780018.	2.2	3
98	Use of Whole-Genome Sequencing to Unravel the Genetic Diversity of a Prevalent Mycobacterium bovis Spoligotype in a Multi-Host Scenario in Spain. Frontiers in Microbiology, 0, 13, .	3.5	3
99	Spoligotype-specific risk of finding lesions in tissues from cattle infected by Mycobacterium bovis. BMC Veterinary Research, 2021, 17, 148.	1.9	2
100	Single-Nucleotide Polymorphism in Two Representative Multidrug-Resistant Mycobacterium bovis Isolates Collected from Patients in a Spanish Hospital Harboring a Human Infection Outbreak. Journal of Clinical Microbiology, 2008, 46, 826-827.	3.9	0