Red squirrels in the British Isles are infected with lepro

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#	Article	IF	Citations
1	Leprosy in red squirrels. Science, 2016, 354, 702-703.	6.0	5
2	Dynamics of leprosy in nine-banded armadillos: Net reproductive number and effects on host population dynamics. Ecological Modelling, 2017, 350, 100-108.	1.2	6
3	One bacillus to rule them all? â€“ Investigating broad range host adaptation in Mycobacterium bovis. Infection, Genetics and Evolution, 2017, 53, 68-76.	1.0	29
4	Further evidence of leprosy in Isle of Wight red squirrels. Veterinary Record, 2017, 180, 407-407.	0.2	9
6	Feline leprosy due to Candidatus â€˜Mycobacterium lepraefelisâ€™: Further clinical and molecular characterisation of eight previously reported cases and an additional 30 cases. Journal of Feline Medicine and Surgery, 2017, 19, 919-932.	0.6	24
7	Leprosy â€“ weâ€™ve much left to learn, but are looking to squirrels, cows and cats for insights. Journal of Feline Medicine and Surgery, 2017, 19, 977-978.	0.6	3
8	Treatment of Leprosy and Leprosy Reactions. Current Treatment Options in Infectious Diseases, 2017, 9, 287-298.	0.8	3
10	Early Human Migrations (ca. 13,000 Years Ago) or Postcontact Europeans for the Earliest Spread of Mycobacterium leprae and Mycobacterium lepromatosis to the Americas. Interdisciplinary Perspectives on Infectious Diseases, 2017, 2017, 1-8.	0.6	3
11	Q&A: What are pathogens, and what have they done to and for us?. BMC Biology, 2017, 15, 91.	1.7	79
12	<i>Mycobacterium</i><i>lepromatosis</i>Lepromatous Leprosy in US Citizen Who Traveled to Disease-Endemic Areas. Emerging Infectious Diseases, 2017, 23, 1864-1866.	2.0	20
13	Non-tuberculous Mycobacteria can Cause Disseminated Mycobacteriosis in Cats. Journal of Comparative Pathology, 2018, 160, 1-9.	0.1	3
14	Differential growth of Mycobacterium leprae strains (SNP genotypes) in armadillos. Infection, Genetics and Evolution, 2018, 62, 20-26.	1.0	12
15	Phylogenomics and antimicrobial resistance of the leprosy bacillus Mycobacterium leprae. Nature Communications, 2018, 9, 352.	5.8	95
16	Ancient DNA study reveals HLA susceptibility locus for leprosy in medieval Europeans. Nature Communications, 2018, 9, 1569.	5.8	67
17	Embracing Colonizations: A New Paradigm for Species Association Dynamics. Trends in Ecology and Evolution, 2018, 33, 4-14.	4.2	94
19	The Origin and Spread of Leprosy: Historical, Skeletal, and Molecular Data. Journal of Interdisciplinary History, 2018, 49, 367-395.	0.0	1
20	Cutaneous Mycobacterial Infections. Clinical Microbiology Reviews, 2018, 32, .	5.7	144
21	Molecular detection of Mycobacterium leprae by Polymerase Chain Reaction in captive and free-ranging wild animals. Brazilian Journal of Infectious Diseases, 2018, 22, 445-447.	0.3	2

#	Article	IF	Citations
22	Leprosy at the edge of Europeâ€"Biomolecular, isotopic and osteoarchaeological findings from medieval Ireland. PLoS ONE, 2018, 13, e0209495.	1.1	13
23	Analysis of Social Determinants of Health and Disability Scores in Leprosy-Affected Persons in Salem, Tamil Nadu, India. International Journal of Environmental Research and Public Health, 2018, 15, 2769.	1.2	8
24	Ticks as potential vectors of Mycobacterium leprae: Use of tick cell lines to culture the bacilli and generate transgenic strains. PLoS Neglected Tropical Diseases, 2018, 12, e0007001.	1.3	26
25	Detection of Mycobacterium lepromatosis in patients with leprosy in India. Infection and Drug Resistance, 2018, Volume 11, 1677-1683.	1.1	4
26	Evaluation of Auramine O staining and conventional PCR for leprosy diagnosis: A comparative cross-sectional study from Ethiopia. PLoS Neglected Tropical Diseases, 2018, 12, e0006706.	1.3	12
27	Leprosy in Nonimmigrant Canadian Man without Travel outside North America, 2014. Emerging Infectious Diseases, 2018, 24, 165-166.	2.0	11
28	Emmonsia helica Infection in HIV-Infected Man, California, USA. Emerging Infectious Diseases, 2018, 24, 166-168.	2.0	2
29	Mortalities, amyloidosis and other diseases in freeâ€living red squirrels (<i>Sciurus vulgaris</i>) on Jersey, Channel Islands. Veterinary Record, 2018, 183, 503-503.	0.2	11
30	Evidence of zoonotic leprosy in ParÃ¡, Brazilian Amazon, and risks associated with human contact or consumption of armadillos. PLoS Neglected Tropical Diseases, 2018, 12, e0006532.	1.3	65
31	Overview of Cutaneous Mycobacterial Infections. Current Tropical Medicine Reports, 2018, 5, 228-232.	1.6	4
32	Ancient genomes reveal a high diversity of Mycobacterium leprae in medieval Europe. PLoS Pathogens, 2018, 14, e1006997.	2.1	98
33	Shared Pathogenomic Patterns Characterize a New Phylotype, Revealing Transition toward Host-Adaptation Long before Speciation of Mycobacterium tuberculosis. Genome Biology and Evolution, 2019, 11, 2420-2438.	1.1	29
34	First report of dermatophilosis in wild European red squirrels (Sciurus vulgaris). Veterinary Record Case Reports, 2019, 7, e000838.	0.1	2
35	Cell Biology of Intracellular Adaptation of <i>Mycobacterium leprae</i> in the Peripheral Nervous System. Microbiology Spectrum, 2019, 7, .	1.2	20
36	Leprosy survey among rural communities and wild armadillos from Amazonas state, Northern Brazil. PLoS ONE, 2019, 14, e0209491.	1.1	5
37	Ancient DNA in the Study of Ancient Disease. , 2019, , 183-210.		14
38	Detection of humoral immunity to mycobacteria causing leprosy in Eurasian red squirrels (Sciurus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.7	14
39	Mycobacterium lepraeâ€™s evolution and environmental adaptation. Acta Tropica, 2019, 197, 105041.	0.9	24

#	Article	IF	Citations
40	Tuberculosis and leprosy associated with historical human population movements in Europe and beyond â€“ an overview based on mycobacterial ancient DNA. Annals of Human Biology, 2019, 46, 120-128.	0.4	23
41	Revisiting the tuberculosis and leprosy cross-immunity hypothesis: Expanding the dialogue between immunology and paleopathology. International Journal of Paleopathology, 2019, 26, 37-47.	0.8	8
42	Insights of synthetic analogues of anti-leprosy agents. Bioorganic and Medicinal Chemistry, 2019, 27, 2689-2717.	1.4	8
43	Detection of Mycobacterium leprae DNA in soil: multiple needles in the haystack. Scientific Reports, 2019, 9, 3165.	1.6	30
44	Leprosy in red squirrels in the UK. Veterinary Record, 2019, 184, 416-416.	0.2	6
45	The Distribution and Origins of Ancient Leprosy. , 2019, , .		0
46	Emergence and Transmission of Drug-/Multidrug-resistant Mycobacterium leprae in a Former Leprosy Colony in the Brazilian Amazon. Clinical Infectious Diseases, 2020, 70, 2054-2061.	2.9	29
47	Genetics of leprosy: today and beyond. Human Genetics, 2020, 139, 835-846.	1.8	40
48	Lack of evidence for the presence of leprosy bacilli in red squirrels from Northâ€West Europe. Transboundary and Emerging Diseases, 2020, 67, 1032-1034.	1.3	18
49	Serological and molecular detection of infection with Mycobacterium leprae in Brazilian six banded armadillos (Euphractus sexcinctus). Comparative Immunology, Microbiology and Infectious Diseases, 2020, 68, 101397.	0.7	8
50	Molecular epidemiology of leprosy: An update. Infection, Genetics and Evolution, 2020, 86, 104581.	1.0	22
51	Evolutionary history of<i>Mycobacterium leprae</i>in the Pacific Islands. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190582.	1.8	12
52	Multi-omic detection of<i>Mycobacterium leprae</i>in archaeological human dental calculus. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190584.	1.8	31
53	Host Diversity and Origin of Zoonoses: The Ancient and the New. Animals, 2020, 10, 1672.	1.0	33
54	Mycobacterium leprae: Pathogenesis, diagnosis, and treatment options. Microbial Pathogenesis, 2020, 149, 104475.	1.3	21
55	Emergence of Mycobacterium leprae Rifampin Resistance Evaluated by Whole-Genome Sequencing after 48 Years of Irregular Treatment. Antimicrobial Agents and Chemotherapy, 2020, 64, .	1.4	7
56	Leprosy Transmission in Amazonian Countries: Current Status and Future Trends. Current Tropical Medicine Reports, 2020, 7, 79-91.	1.6	13
57	Population Genomics of Mycobacterium leprae Reveals a New Genotype in Madagascar and the Comoros. Frontiers in Microbiology, 2020, 11, 711.	1.5	15

#	Article	IF	Citations
58	Cell Biology of Intracellular Adaptation ofMycobacterium lepraein the Peripheral Nervous System. , 2020, , 227-245.		0
59	Ultra-sensitive detection of Mycobacterium leprae: DNA extraction and PCR assays. PLoS Neglected Tropical Diseases, 2020, 14, e0008325.	1.3	18
60	Mycobacterium lepromatosis genome exhibits unusually high CpG dinucleotide content and selection is key force in shaping codon usage. Infection, Genetics and Evolution, 2020, 84, 104399.	1.0	21
61	â€˜Zero Leprosyâ€™ and other endgame strategies: Rhetoric vs. realism in public health campaigns. Global Public Health, 2020, 15, 956-967.	1.0	5
62	Genomic Characterization of Mycobacterium leprae to Explore Transmission Patterns Identifies New Subtype in Bangladesh. Frontiers in Microbiology, 2020, 11, 1220.	1.5	20
63	The Many Hosts of Mycobacteria 8 (MHM8): A conference report. Tuberculosis, 2020, 121, 101914.	0.8	6
64	Polarly Localized EccE ₁ Is Required for ESX-1 Function and Stabilization of ESX-1 Membrane Proteins in Mycobacterium tuberculosis. Journal of Bacteriology, 2020, 202, .	1.0	7
65	Reservoirs and transmission routes of leprosy; A systematic review. PLoS Neglected Tropical Diseases, 2020, 14, e0008276.	1.3	83
66	Search for polyoma-, herpes-, and bornaviruses in squirrels of the family Sciuridae. Virology Journal, 2020, 17, 42.	1.4	11
67	Leprosy: Clinical aspects and diagnostic techniques. Journal of the American Academy of Dermatology, 2020, 83, 1-14.	0.6	83
68	How Colonial Power, Colonized People, and Nature Shaped Hansenâ€™s Disease Settlements in Suriname. Societies, 2020, 10, 32.	0.8	2
70	Insights into Mycobacterium leprae Proteomics and Biomarkersâ€"An Overview. Proteomes, 2021, 9, 7.	1.7	6
71	Susceptibility and resistance in leprosy: Studies in the mouse model. Immunological Reviews, 2021, 301, 157-174.	2.8	16
72	Bacterial Pathogens and Symbionts Harboured by Ixodes ricinus Ticks Parasitising Red Squirrels in the United Kingdom. Pathogens, 2021, 10, 458.	1.2	8
73	Mycobacterium leprae transmission characteristics during the declining stages of leprosy incidence: A systematic review. PLoS Neglected Tropical Diseases, 2021, 15, e0009436.	1.3	19
74	Fatal exudative dermatitis in island populations of red squirrels (Sciurus vulgaris): spillover of a virulent Staphylococcus aureus clone (ST49) from reservoir hosts. Microbial Genomics, 2021, 7, .	1.0	7
75	Wildlife conservation in a fragmented landscape: the Eurasian red squirrel on the Isle of Wight. Conservation Genetics, 2021, 22, 571-583.	0.8	4
76	DIAGNOSING AND CATEGORIZING LEPROSY IN LIVE EURASIAN RED SQUIRRELS (SCIURUS VULGARIS) FOR MANAGEMENT, SURVEILLANCE, AND TRANSLOCATION PURPOSES. Journal of Zoo and Wildlife Medicine, 2021, 52, 648-659.	0.3	4

#	Article	IF	Citations
77	A systematic review into the suitability of urban refugia for the Eurasian red squirrel <i>Sciurus vulgaris</i>. Mammal Review, 2022, 52, 26-38.	2.2	12
78	Strategies for drug target identification in Mycobacterium leprae. Drug Discovery Today, 2021, 26, 1569-1573.	3.2	11
79	Mycobacterium lepromatosis as a Second Agent of Hansenâ€™s Disease. Frontiers in Microbiology, 2021, 12, 698588.	1.5	24
80	A need for null models in understanding disease transmission: the example of<i>Mycobacterium ulcerans</i>(Buruli ulcer disease). FEMS Microbiology Reviews, 2022, 46, .	3.9	5
81	Leprosy in pre-Norman Suffolk, UK: biomolecular and geochemical analysis of the woman from Hoxne. Journal of Medical Microbiology, 2017, 66, 1640-1649.	0.7	12
84	New insights into the pathogenesis of leprosy: contribution of subversion of host cell metabolism to bacterial persistence, disease progression, and transmission. F1000Research, 2020, 9, 70.	0.8	17
85	Mycobacterium leprae genomes from naturally infected nonhuman primates. PLoS Neglected Tropical Diseases, 2018, 12, e0006190.	1.3	50
86	British Red Squirrels Remain the Only Known Wild Rodent Host for Leprosy Bacilli. Frontiers in Veterinary Science, 2019, 6, 8.	0.9	22
87	Mycobacterium leprae diversity and population dynamics in medieval Europe from novel ancient genomes. BMC Biology, 2021, 19, 220.	1.7	14
88	Simultaneous detection and differentiation between Mycobacterium leprae and Mycobacterium lepromatosis using novel polymerase chain reaction primers. Journal of Dermatology, 2021, 48, 1936-1939.	0.6	2
89	Autochthonous North American Leprosy: A Second Case in Canada. Infectious Disease Reports, 2021, 13, 917-923.	1.5	3
90	One Health Approaches to Trace Mycobacterium lepraeâ€™s Zoonotic Potential Through Time. Frontiers in Microbiology, 2021, 12, 762263.	1.5	5
91	Leprosy in wild chimpanzees. Nature, 2021, 598, 652-656.	13.7	30
94	Developing an Evidence-Based Coexistence Strategy to Promote Human and Wildlife Health in a Biodiverse Agroforest Landscape. Frontiers in Conservation Science, 2021, 2, .	0.9	2
95	Mycobacterium leprae Infection in Ticks and Tick-Derived Cells. Frontiers in Microbiology, 2021, 12, 761420.	1.5	7
96	Leprosy: what is new. International Journal of Dermatology, 2022, 61, 733-738.	0.5	8
97	Minimally invasive sampling to identify leprosy patients with a high bacterial burden in the Union of the Comoros. PLoS Neglected Tropical Diseases, 2021, 15, e0009924.	1.3	3
98	Lepra Bubalorum, a Potential Reservoir of Mycobacterium leprae. Frontiers in Microbiology, 2021, 12, 786921.	1.5	1

#	Article	IF	Citations
99	CLINICAL PROGRESSION OF LEPROSY IN EURASIAN RED SQUIRRELS (SCIURUS VULGARIS) IN A NATURALLY INFECTED WILD POPULATION. Journal of Zoo and Wildlife Medicine, 2021, 52, 1159-1166.	0.3	2
100	Metagenomic Sequencing for Microbial DNA in Human Samples: Emerging Technological Advances. International Journal of Molecular Sciences, 2022, 23, 2181.	1.8	33
108	Construction and Analysis of the Complete Genome Sequence of Leprosy Agent Mycobacterium lepromatosis. Microbiology Spectrum, 2022, 10, e0169221.	1.2	7
109	Un handicap institutionnalisÃ©Â: la lÃ¨pre au MoyenÂÃ‚ge. Les Nouvelles De L'archÃ©ologie, 2021, , 30-37.	0.0	0
110	The Presence of Mycobacterium leprae in Wild Rodents. Microorganisms, 2022, 10, 1114.	1.6	1
111	The Armadillo as a Model for Leprosy Nerve Function Impairment: Preventative and Therapeutic Interventions. Frontiers in Medicine, 0, 9, .	1.2	1
112	Existence of viable Mycobacterium leprae in natural environment and its genetic profiling in a leprosy endemic region. Frontiers in Tropical Diseases, 0, 3, .	0.5	0
113	Global prevalence of resistance to rifampicin inÂMycobacterium leprae: A meta-analysis. Journal of Global Antimicrobial Resistance, 2022, 31, 119-127.	0.9	1
114	Ancient DNA confirmation of lepromatous leprosy in a skeleton with concurrent osteosarcoma, excavated from the leprosarium of St. Mary Magdalen in Winchester, Hants., UK. European Journal of Clinical Microbiology and Infectious Diseases, 2022, 41, 1295-1304.	1.3	1
115	Leprosy Caused by<i>Mycobacterium lepromatosis</i>. American Journal of Clinical Pathology, 2022, 158, 678-686.	0.4	2
116	Pathogenicity and virulence of <i>Mycobacterium leprae</i>. Virulence, 2022, 13, 1985-2011.	1.8	12
117	The Case of Geoffrey of Hauteville, Lord of Ragusa: A Story of Leprosy and Legitimacy from Norman Sicily. Speculum, 2023, 98, 86-121.	0.0	0
118	Epidemiological characteristics of leprosy during the period 2005â€"2020: A retrospective study based on the Chinese surveillance system. Frontiers in Public Health, 0, 10, .	1.3	2
120	<i>Mycobacterium leprae</i> in Armadillo Tissues from Museum Collections, United States. Emerging Infectious Diseases, 2023, 29, 622-626.	2.0	0
121	<i>Galleria mellonella</i>â€"intracellular bacteria pathogen infection models: the ins and outs. FEMS Microbiology Reviews, 2023, 47, .	3.9	12
122	The Bioarchaeology of Leprosy: Learning from the Past. , 2018, , .		2
123	Genomics Insights into the Biology and Evolution of Leprosy Bacilli. , 2018, , .		0
124	Rodent Models in Leprosy Research. , 2020, , .		1

#	Article	IF	Citations
127	Hansenâ€™s Disease and One Health. , 2023, , 65-70.		0
128	Leprosy Agents and Principal Methods of Detection, Identification, and Characterization of the Leprosy Agents. , 2023, , 45-57.		0
129	The Origin, Evolution and History of Leprosy Through a Palaeopathological Lens. , 2023, , 23-33.		0
130	Osseous Structures and Their Response Repertoire. , 2023, , 23-65.		0
137	Mycobacterium leprae and beyond. , 2024, , 1585-1602.		0