Herwig Leirs

List of Publications by Year
in descending order

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244 papers	8,606 citations	43973 48 h-index	69108 77 g-index
261 all docs	261 docs citations	261 times ranked	7613 citing authors

#	Article	IF	Citations
1	Plague: Past, Present, and Future. PLoS Medicine, 2008, 5, e3.	3.9	420
2	Stochastic seasonality and nonlinear density-dependent factors regulate population size in an African rodent. Nature, 1997, 389, 176-180.	13.7	299
3	Plague dynamics are driven by climate variation. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13110-13115.	3.3	242
4	Mice, rats, and people: the bio-economics of agricultural rodent pests. Frontiers in Ecology and the Environment, 2003, 1, 367-375.	1.9	241
5	Studies of Reservoir Hosts for Marburg Virus. Emerging Infectious Diseases, 2007, 13, 1847-1851.	2.0	232
6	Marburg Hemorrhagic Fever Associated with Multiple Genetic Lineages of Virus. New England Journal of Medicine, 2006, 355, 909-919.	13.9	221
7	Predictive Thresholds for Plague in Kazakhstan. Science, 2004, 304, 736-738.	6.0	179
8	The abundance threshold for plague as a critical percolation phenomenon. Nature, 2008, 454, 634-637.	13.7	174
9	Interdisciplinary on-site evaluation of stone bunds to control soil erosion on cropland in Northern Ethiopia. Soil and Tillage Research, 2007, 94, 151-163.	2.6	151
10	Fluctuating Rodent Populations and Risk to Humans from Rodent-Borne Zoonoses. Vector-Borne and Zoonotic Diseases, 2005, 5, 305-314.	0.6	145
11	Hantavirus disease (nephropathia epidemica) in Belgium: effects of tree seed production and climate. Epidemiology and Infection, 2009, 137, 250-256.	1.0	131
12	Phylogeography of the introduced species Rattus rattus in the western Indian Ocean, with special emphasis on the colonization history of Madagascar. Journal of Biogeography, 2010, 37, 398-410.	1.4	119
13	Plague and Climate: Scales Matter. PLoS Pathogens, 2011, 7, e1002160.	2.1	119
14	Forecasting Rodent Outbreaks in Africa: An Ecological Basis for Mastomys Control in Tanzania. Journal of Applied Ecology, 1996, 33, 937.	1.9	110
15	Search for the Ebola Virus Reservoir in Kikwit, Democratic Republic of the Congo: Reflections on a Vertebrate Collection. Journal of Infectious Diseases, 1999, 179, S155-S163.	1.9	106
16	Hantaviruses and Their Hosts in Europe: Reservoirs Here and There, But Not Everywhere?. Vector-Borne and Zoonotic Diseases, 2010, 10, 549-561.	0.6	95
17	The basis of reproductive seasonally in Mastomys rats (Rodentia: Muridae) in Tanzania. Journal of Tropical Ecology, 1994, 10, 55-66.	0.5	89
18	Climatically driven synchrony of gerbil populations allows large-scale plague outbreaks. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1963-1969.	1.2	89

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19	High prevalence of Leptospira spp. in sewer rats (Rattus norvegicus). Epidemiology and Infection, 2009, 137, 1586-1592.	1.0	80
20	Effects of grazing intensity on small mammal population ecology in wet meadows. Basic and Applied Ecology, 2005, 6, 57-66.	1.2	79
21	Plague and the Human Flea, Tanzania. Emerging Infectious Diseases, 2007, 13, 687-693.	2.0	78
22	Adaptability of large carnivores to changing anthropogenic food sources: diet change of spotted hyena (Crocuta crocuta) during Christian fasting period in northern Ethiopia. Journal of Animal Ecology, 2012, 81, 1052-1055.	1.3	75
23	Pan-African phylogeny of Mus (subgenus Nannomys) reveals one of the most successful mammal radiations in Africa. BMC Evolutionary Biology, 2014, 14, 256.	3.2	75
24	Population, Environmental, and Community Effects on Local Bank Vole (Myodes glareolus) Puumala Virus Infection in an Area with Low Human Incidence. Vector-Borne and Zoonotic Diseases, 2008, 8, 235-244.	0.6	74
25	The Year of the Rat endsâ€"time to fight hunger!. Pest Management Science, 2009, 65, 351-352.	1.7	74
26	Geographic distribution and ecological niche of plague in sub-Saharan Africa. International Journal of Health Geographics, 2008, 7, 54.	1.2	73
27	A model of Leptospirosis infection in an African rodent to determine risk to humans: Seasonal fluctuations and the impact of rodent control. Acta Tropica, 2006, 99, 218-225.	0.9	70
28	Risk of humanâ€toâ€wildlife transmission of SARSâ€CoVâ€2. Mammal Review, 2021, 51, 272-292.	2.2	69
29	Population cycles and outbreaks of small rodents: ten essential questions we still need to solve. Oecologia, 2021, 195, 601-622.	0.9	68
30	Non-destructive pollution exposure assessment by means of wood mice hair. Environmental Pollution, 2007, 145, 443-451.	3.7	67
31	Sex-biased parasitism is not universal: evidence from rodentâ€"flea associations from three biomes. Oecologia, 2013, 173, 1009-1022.	0.9	66
32	Spatio-temporal patterns of attacks on human and economic losses from wildlife in Chitwan National Park, Nepal. PLoS ONE, 2018, 13, e0195373.	1.1	65
33	A Novel Method to Reduce Time Investment When Processing Videos from Camera Trap Studies. PLoS ONE, 2014, 9, e98881.	1.1	64
34	Environmental conditions and Puumala virus transmission in Belgium. International Journal of Health Geographics, 2007, 6, 55.	1.2	62
35	Human plague occurrences in Africa: an overview from 1877 to 2008. Transactions of the Royal Society of Tropical Medicine and Hygiene, 2010, 104, 97-103.	0.7	60
36	Are populations of European earwigs, Forficula auricularia, density dependent?. Entomologia Experimentalis Et Applicata, 2009, 130, 198-206.	0.7	58

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37	A mitochondrial phylogeographic scenario for the most widespread African rodent,Mastomys natalensis. Biological Journal of the Linnean Society, 2013, 108, 901-916.	0.7	58
38	Ecological and epidemiological data on Hantavirus in bank vole populations in Belgium. Archives of Virology, 1986, 91, 193-205.	0.9	57
39	Modeling the epidemiological history of plague in Central Asia: Palaeoclimatic forcing on a disease system over the past millennium. BMC Biology, 2010, 8, 112.	1.7	57
40	Population dynamics of small mammals in semi-arid regions: a comparative study of demographic variability in two rodent species. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1997-2007.	1.2	54
41	Mopeia Virusâ€“related Arenavirus in Natal Multimammate Mice,Morogoro, Tanzania. Emerging Infectious Diseases, 2009, 15, 2008-2012.	2.0	54
42	Genetic diversity, evolutionary history and implications for conservation of the lion (Panthera leo) in West and Central Africa. Journal of Biogeography, 2011, 38, 1356-1367.	1.4	54
43	Spotted hyena (Crocuta crocuta) concentrate around urban waste dumps across Tigray, northern Ethiopia. Wildlife Research, 2015, 42, 563.	0.7	52
44	Leptospira Serovars for Diagnosis of Leptospirosis in Humans and Animals in Africa: Common Leptospira Isolates and Reservoir Hosts. PLoS Neglected Tropical Diseases, 2015, 9, e0004251.	1.3	52
45	When Viruses Donâ€™t Go Viral: The Importance of Host Phylogeographic Structure in the Spatial Spread of Arenaviruses. PLoS Pathogens, 2017, 13, e1006073.	2.1	52
46	Application of real-time PCR in Ghana, a Buruli ulcer-endemic country, confirms the presence ofMycobacterium ulceransin the environment. FEMS Microbiology Letters, 2010, 304, 191-194.	0.7	51
47	Hantavirus outbreak in Western Europe: reservoir host infection dynamics related to human disease patterns. Epidemiology and Infection, 2011, 139, 381-390.	1.0	51
48	Comparing strategies for controlling an African pest rodent: an empirically based theoretical study. Journal of Applied Ecology, 2001, 38, 1020-1031.	1.9	50
49	First Detection of Mycobacteria in African Rodents and Insectivores, Using Stratified Pool Screening. Applied and Environmental Microbiology, 2008, 74, 768-773.	1.4	49
50	Survivalâ€variation within and between functional categories of the African multimammate rat. Journal of Animal Ecology, 1999, 68, 550-561.	1.3	48
51	Foraging of multimammate mice, Mastomys natalensis , under different predation pressure: cover, patch-dependent decisions and density-dependent GUDs. Oikos, 2003, 100, 459-468.	1.2	47
52	Terrestrial Small Mammals as Reservoirs of Mycobacterium ulcerans in Benin. Applied and Environmental Microbiology, 2010, 76, 4574-4577.	1.4	47
53	A systematic review of rodent pest research in Afro-Malagasy small-holder farming systems: Are we asking the right questions?. PLoS ONE, 2017, 12, e0174554.	1.1	47
54	The use of high-resolution remote sensing for plague surveillance in Kazakhstan. Remote Sensing of Environment, 2010, 114, 674-681.	4.6	46

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55	Taxonomy of the African giant pouched rats (Nesomyidae: Cricetomys): molecular and craniometric evidence support an unexpected high species diversity. Zoological Journal of the Linnean Society, 2012, 165, 700-719.	1.0	45
56	Productivity of Different Generations in a Population of Mastomys natalensis Rats in Tanzania. Oikos, 1993, 68, 53.	1.2	44
57	Presence of Mopeia Virus, an African Arenavirus, Related to Biotope and Individual Rodent Host Characteristics: Implications for Virus Transmission. Vector-Borne and Zoonotic Diseases, 2011, 11, 1125-1131.	0.6	44
58	Molecular evolution of Puumala hantavirus in Fennoscandia: phylogenetic analysis of strains from two recolonization routes, Karelia and Denmark. Journal of General Virology, 2000, 81, 2833-2841.	1.3	44
59	Seasonal variation in growth of Mastomys natalensis (Rodentia: Muridae) in Morogoro, Tanzania. African Journal of Ecology, 1990, 28, 298-306.	0.4	41
60	The Effect of Predation Risk on Body Weight in the Field Vole, Microtus agrestis. Oikos, 1999, 87, 277.	1.2	41
61	Traditional and geometric morphometrics for studying skull morphology during growth inMastomys natalensis(Rodentia: Muridae). Journal of Mammalogy, 2011, 92, 1395-1406.	0.6	41
62	High Diversity of RNA Viruses in Rodents, Ethiopia. Emerging Infectious Diseases, 2012, 18, 2047-2050.	2.0	41
63	Dietary differences of the multimammate mouse, Mastomys natalensis (Smith, 1834), across different habitats and seasons in Tanzania and Swaziland. Wildlife Research, 2011, 38, 640.	0.7	40
64	Reconciling biodiversity and carbon stock conservation in an Afrotropical forest landscape. Science Advances, 2018, 4, eaar6603.	4.7	40
65	IMPACT OF PUUMALA VIRUS INFECTION ON MATURATION AND SURVIVAL IN BANK VOLES: A CAPTURE-MARK-RECAPTURE ANALYSIS. Journal of Wildlife Diseases, 2012, 48, 148-156.	0.3	38
66	Estimating Time of Infection Using Prior Serological and Individual Information Can Greatly Improve Incidence Estimation of Human and Wildlife Infections. PLoS Computational Biology, 2016, 12, e1004882.	1.5	38
67	Shedding dynamics of Morogoro virus, an African arenavirus closely related to Lassa virus, in its natural reservoir host Mastomys natalensis. Scientific Reports, 2015, 5, 10445.	1.6	37
68	Demographic and spatio-temporal variation in human plague at a persistent focus in Tanzania. Acta Tropica, 2006, 100, 133-141.	0.9	36
69	Evaluation of rodent control to fight Lassa fever based on field data and mathematical modelling. Emerging Microbes and Infections, 2019, 8, 640-649.	3.0	36
70	Amoebae as Potential Environmental Hosts for Mycobacterium ulcerans and Other Mycobacteria, but Doubtful Actors in Buruli Ulcer Epidemiology. PLoS Neglected Tropical Diseases, 2012, 6, e1764.	1.3	35
71	Spotted hyena (Crocuta crocuta) coexisting at high density with people in Wukro district, northern Ethiopia. Mammalian Biology, 2013, 78, 193-197.	0.8	35
72	Discovery and genome characterization of three new Jeilongviruses, a lineage of paramyxoviruses characterized by their unique membrane proteins. BMC Genomics, 2018, 19, 617.	1.2	35

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73	Survival and maturation rates of the African rodent, Mastomys natalensis: densityâ€dependence and rainfall. Integrative Zoology, 2007, 2, 220-232.	1.3	34
74	Occurrence of Free-Living Amoebae in Communities of Low and High Endemicity for Buruli Ulcer in Southern Benin. Applied and Environmental Microbiology, 2008, 74, 6547-6553.	1.4	34
75	Gairo virus, a novel arenavirus of the widespread Mastomys natalensis : Genetically divergent, but ecologically similar to Lassa and Morogoro viruses. Virology, 2015, 476, 249-256.	1.1	34
76	Diversity and evolution of African Grass Rats (Muridae:Arvicanthis)â€"From radiation in East Africa to repeated colonization of northwestern and southeastern savannas. Journal of Zoological Systematics and Evolutionary Research, 2019, 57, 970-988.	0.6	34
77	Factors associated with co-occurrence of large carnivores in a human-dominated landscape. Biodiversity and Conservation, 2019, 28, 1473-1491.	1.2	34
78	Hantavirus infection in Brazilian patients from Recife with suspected leptospirosis. Lancet, The, 1993, 341, 50.	6.3	33
79	Vitamin K requirement in Danish anticoagulant-resistant Norway rats (Rattus norvegicus). Pest Management Science, 2003, 59, 913-920.	1.7	33
80	Effects of predation and dispersal on Mastomys natalensis population dynamics in Tanzanian maize fields. Journal of Animal Ecology, 2006, 75, 213-220.	1.3	33
81	Sympatric Occurrence of 3 Arenaviruses, Tanzania. Emerging Infectious Diseases, 2010, 16, 692-695.	2.0	33
82	Plague metapopulation dynamics in a natural reservoir: the burrow system as the unit of study. Epidemiology and Infection, 2007, 135, 740-748.	1.0	32
83	Predicting Potential Risk Areas of Human Plague for the Western Usambara Mountains, Lushoto District, Tanzania. American Journal of Tropical Medicine and Hygiene, 2010, 82, 492-500.	0.6	32
84	Puumala hantavirus and Myodes glareolus in northern Europe: no evidence of co-divergence between genetic lineages of virus and host. Journal of General Virology, 2010, 91, 1262-1274.	1.3	32
85	A curve of thresholds governs plague epizootics in Central Asia. Ecology Letters, 2012, 15, 554-560.	3.0	32
86	Happily together forever: temporal variation in spatial patterns and complete lack of territoriality in a promiscuous rodent. Population Ecology, 2014, 56, 109-118.	0.7	32
87	Multiple introductions and recent spread of the emerging human pathogen Mycobacterium ulcerans across Africa. Genome Biology and Evolution, 2017, 9, evx003.	1.1	32
88	Contribution of Buffer Zone Programs to Reduce Human-Wildlife Impacts: the Case of the Chitwan National Park, Nepal. Human Ecology, 2019, 47, 95-110.	0.7	32
89	A comparison of DNA extraction procedures for the detection of Mycobacterium ulcerans, the causative agent of Buruli ulcer, in clinical and environmental specimens. Journal of Microbiological Methods, 2009, 76, 152-158.	0.7	31
90	Reintroduced Eurasian beavers (Castor fiber): colonization and range expansion across human-dominated landscapes. Biodiversity and Conservation, 2017, 26, 1863-1876.	1.2	31

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91	Movement Patterns of Small Rodents in Lassa Fever-Endemic Villages in Guinea. EcoHealth, 2018, 15, 348-359.	0.9	31
92	Comparison of multimammate mouse (Mastomys natalensis) demography in monoculture and mosaic agricultural habitat: Implications for pest management. Crop Protection, 2009, 28, 647-654.	1.0	30
93	Are the specialized bird ticks, <scp>I</scp>xodes arboricola and I. frontalis, competent vectors for <scp>B</scp>orrelia burgdorferi sensu lato?. Environmental Microbiology, 2014, 16, 1081-1089.	1.8	30
94	On the economic benefit of predicting rodent outbreaks in agricultural systems. Crop Protection, 2004, 23, 305-314.	1.0	29
95	Do farming practices influence population dynamics of rodents? A case study of the multimammate field rats, Mastomys natalensis, in Tanzania. African Journal of Ecology, 2007, 45, 293-301.	0.4	28
96	Seasonal and habitat dependence of fleas parasitic on small mammals in Tanzania. Integrative Zoology, 2009, 4, 196-212.	1.3	28
97	Rodent abundance, stone bund density and its effects on crop damage in the Tigray highlands, Ethiopia. Crop Protection, 2014, 55, 61-67.	1.0	28
98	Variable effects of host characteristics on species richness of flea infracommunities in rodents from three continents. Parasitology Research, 2014, 113, 2777-2788.	0.6	28
99	Densities of spotted hyaena (Crocuta crocuta) and African golden wolf (Canis anthus) increase with increasing anthropogenic influence. Mammalian Biology, 2017, 85, 60-69.	0.8	28
100	Nonlinear scaling of foraging contacts with rodent population density. Oikos, 2017, 126, 792-800.	1.2	28
101	Farmers' perspectives of rodent damage and management from the highlands of Tigray, Northern Ethiopian. Crop Protection, 2010, 29, 532-539.	1.0	27
102	Dispersal of singleâ€•and doubleâ€brood populations of the European earwig, Forficula auricularia: a markâ€•recapture experiment. Entomologia Experimentalis Et Applicata, 2010, 137, 19-27.	0.7	27
103	Optimizing biocontrol using phenological day degree models: the European earwig in pipfruit orchards. Agricultural and Forest Entomology, 2011, 13, 301-312.	0.7	27
104	The impact of the Congo River and its tributaries on the rodent genus Praomys: speciation origin or range expansion limit?. Zoological Journal of the Linnean Society, 2011, 163, 983-1002.	1.0	27
105	Temporal Variation in Individual Factors Associated with Hantavirus Infection in Bank Voles During an Epizootic: Implications for Puumala Virus Transmission Dynamics. Vector-Borne and Zoonotic Diseases, 2011, 11, 715-721.	0.6	27
106	Investigating the Role of Free-living Amoebae as a Reservoir for Mycobacterium ulcerans. PLoS Neglected Tropical Diseases, 2014, 8, e3148.	1.3	27
107	Evaluation of short-, mid- and long-term effects of toe clipping on a wild rodent. Wildlife Research, 2015, 42, 143.	0.7	27
108	No relationship between canalization and developmental stability of the skull in a natural population ofMastomys natalensis(Rodentia: Muridae). Biological Journal of the Linnean Society, 2011, 104, 207-216.	0.7	26

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109	Uncovering the secret lives of sewer rats (Rattus norvegicus): movements, distribution and population dynamics revealed by a capture - mark - recapture study. Wildlife Research, 2012, 39, 202.	0.7	26
110	Beaver (Castor fiber) activity patterns in a predator-free landscape. What is keeping them in the dark?. Mammalian Biology, 2015, 80, 477-483.	0.8	26
111	The bioeconomics of controlling an African rodent pest species. Environment and Development Economics, 2006, 11, 453-475.	1.3	25
112	Historical and genomic data reveal the influencing factors on global transmission velocity of plague during the Third Pandemic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11833-11838.	3.3	25
113	Polyandry and polygyny in an African rodent pest species, Mastomys natalensis. Mammalia, 2008, 72, .	0.3	24
114	Male hosts drive infracommunity structure of ectoparasites. Oecologia, 2011, 166, 1099-1110.	0.9	24
115	Reproductive success of bromadiolone-resistant rats in absence of anticoagulant pressure. Pest Management Science, 2006, 62, 862-871.	1.7	23
116	Do wood mice (Apodemus sylvaticus L.) use food selection as a means to reduce heavy metal intake?. Environmental Pollution, 2008, 151, 599-607.	3.7	23
117	Plague epizootic cycles in Central Asia. Biology Letters, 2014, 10, 20140302.	1.0	23
118	Whole Genome Comparisons Suggest Random Distribution of Mycobacterium ulcerans Genotypes in a Buruli Ulcer Endemic Region of Ghana. PLoS Neglected Tropical Diseases, 2015, 9, e0003681.	1.3	23
119	Empirical assessment of a threshold model for sylvatic plague. Journal of the Royal Society Interface, 2007, 4, 649-657.	1.5	22
120	BartonellaPrevalence and Genetic Diversity in Small Mammals from Ethiopia. Vector-Borne and Zoonotic Diseases, 2013, 13, 164-175.	0.6	22
121	Future distribution of wild boar in a highly anthropogenic landscape: Models combining hunting bag and citizen science data. Ecological Modelling, 2019, 411, 108804.	1.2	22
122	Quantifying causes of discard variability: an indispensable assistance to discard estimation and a paramount need for policy measures. ICES Journal of Marine Science, 2011, 68, 1719-1725.	1.2	21
123	Ecology and seasonality of sandflies and potential reservoirs of cutaneous leishmaniasis in Ochollo, a hotspot in southern Ethiopia. PLoS Neglected Tropical Diseases, 2019, 13, e0007667.	1.3	21
124	Relationship between population density and viral infection: A role for personality?. Ecology and Evolution, 2019, 9, 10213-10224.	0.8	21
125	Implications of increased susceptibility to predation for managing the sylvatic cycle ofEchinococcus multilocularis. Parasitology, 2006, 132, 893-901.	0.7	20
126	Are local plague endemicity and ecological characteristics of vectors and reservoirs related? A case study in north-east Tanzania. Environmental Epigenetics, 2009, 55, 200-211.	0.9	20

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127	The ecology of large carnivores in the highlands of northern <scp>E</scp>thiopia. African Journal of Ecology, 2013, 51, 78-86.	0.4	20
128	No measurable adverse effects of Lassa, Morogoro and Gairo arenaviruses on their rodent reservoir host in natural conditions. Parasites and Vectors, 2017, 10, 210.	1.0	20
129	The shape of the contactâ€“density function matters when modelling parasite transmission in fluctuating populations. Royal Society Open Science, 2017, 4, 171308.	1.1	19
130	Role of Wildlife in Emergence of Ebola Virus in Kaigbono (Likati), Democratic Republic of the Congo, 2017. Emerging Infectious Diseases, 2020, 26, 2205-2209.	2.0	19
131	The prevalence of Mycobacterium bovis-infection and atypical mycobacterioses in cattle in and around Morogoro, Tanzania. Tropical Animal Health and Production, 2009, 41, 1653-1659.	0.5	18
132	Contribution to the systematics and zoogeography of the East-African Acomys spinosissimus Peters 1852 species complex and the description of two new species (Rodentia: Muridae). Zootaxa, 2011, 3059, .	0.2	18
133	Insertion Sequence Element Single Nucleotide Polymorphism Typing Provides Insights into the Population Structure and Evolution of Mycobacterium ulcerans across Africa. Applied and Environmental Microbiology, 2014, 80, 1197-1209.	1.4	18
134	Arenavirus Dynamics in Experimentally and Naturally Infected Rodents. EcoHealth, 2017, 14, 463-473.	0.9	18
135	Assessing agricultural damage by wild boar using drones. Wildlife Society Bulletin, 2018, 42, 568-576.	1.6	18
136	SARSâ€CoVâ€2 surveillance in Norway rats (Rattus norvegicus) from Antwerp sewer system, Belgium. Transboundary and Emerging Diseases, 2022, 69, 3016-3021.	1.3	18
137	Three arenaviruses in three subspecific natal multimammate mouse taxa in Tanzania: same host specificity, but different spatial genetic structure?. Virus Evolution, 2020, 6, veaa039.	2.2	18
138	Mammal Taxa Constituting Potential Coevolved Reservoirs of Filoviruses. Journal of Mammalogy, 2007, 88, 1544-1554.	0.6	17
139	Local spotted hyena abundance and community tolerance of depredation in human-dominated landscapes in Northern Ethiopia. Mammalian Biology, 2014, 79, 325-330.	0.8	17
140	Distribution of Puumala Hantavirus in Denmark: Analysis of Bank Voles (Clethrionomys glareolus) from Fyn and Jutland. Vector-Borne and Zoonotic Diseases, 2002, 2, 37-45.	0.6	16
141	Trichuris spp. (Nematoda: Trichuridae) from Two Rodents, Mastomys natalensis and Gerbilliscus vicinus in Tanzania. Journal of Parasitology, 2013, 99, 868.	0.3	16
142	Relationships between seasonal changes in diet of Multimammate rat (Mastomys natalensis) and its breeding patterns in semi-arid areas in Tanzania. Cogent Food and Agriculture, 2018, 4, 1507509.	0.6	16
143	Identifying the patterns and drivers of Puumala hantavirus enzootic dynamics using reservoir sampling. Virus Evolution, 2019, 5, vez009.	2.2	16
144	Enhanced surveillance of monkeypox in Bas-UÃ©lÃ©, Democratic Republic of Congo: the limitations of symptom-based case definitions. International Journal of Infectious Diseases, 2022, 122, 647-655.	1.5	16

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145	Monitoring rodents movements with a biomarker around introduction and feeding foci in an urban environment in Tanzania. African Zoology, 2007, 42, 294-298.	0.2	15
146	Dispersal in Mastomys natalensis mice: use of fine-scale genetic analyses for pest management. Hereditas, 2008, 145, 262-273.	0.5	15
147	Soil type limits population abundance of rodents in crop fields: case study of the multimammate rat Mastomys natalensis Smith, 1834 in Tanzania. Integrative Zoology, 2008, 3, 27-30.	1.3	15
148	Food base of the spotted hyena (Crocuta crocuta) in Ethiopia. Wildlife Research, 2015, 42, 19.	0.7	15
149	Arenavirus infection correlates with lower survival of its natural rodent host in a long-term capture-mark-recapture study. Parasites and Vectors, 2018, 11, 90.	1.0	15
150	Saaremaa hantavirus in Denmark. Journal of Clinical Virology, 2004, 30, 254-257.	1.6	14
151	Dietary selection in Mastomys natalensis (Rodentia: Muridae) in the maize agro-ecosystems of central and southwestern Tanzania. Mammalia, 2008, 72, .	0.3	14
152	Does exploratory behavior or activity in a wild mouse explain susceptibility to virus infection?. Environmental Epigenetics, 2018, 64, 585-592.	0.9	14
153	Species composition and community structure of small pest rodents (Muridae) in cultivated and fallow fields in maizeâ€growing areas in Mayuge district, Eastern Uganda. Ecology and Evolution, 2019, 9, 7849-7860.	0.8	14
154	Mycobacterium ulcerans Population Genomics To Inform on the Spread of Buruli Ulcer across Central Africa. MSphere, 2019, 4, .	1.3	14
155	Evaluation of conventional and four real-time PCR methods for the detection of Leishmania on field-collected samples in Ethiopia. PLoS Neglected Tropical Diseases, 2021, 15, e0008903.	1.3	14
156	The Animal Origin of Major Human Infectious Diseases: What Can Past Epidemics Teach Us About Preventing the Next Pandemic?. Zoonoses, 2022, 2, .	0.5	14
157	The biology of Elephantulus brachyrhynchus in natural miombo woodland in Tanzania. Mammal Review, 1995, 25, 45-49.	2.2	13
158	Short-term effects of avian predation variation on population size and local survival of the multimammate rat, Mastomys natalensis (Rodentia, Muridae). Mammalia, 1998, 62, .	0.3	13
159	Mycobacteria in Terrestrial Small Mammals on Cattle Farms in Tanzania. Veterinary Medicine International, 2011, 2011, 1-12.	0.6	13
160	Animal Ownership and Touching Enrich the Context of Social Contacts Relevant to the Spread of Human Infectious Diseases. PLoS ONE, 2015, 10, e0133461.	1.1	13
161	Food supplementation to optimize inoculative release of the predatory bug <scp>M</scp>acrolophus pygmaeus in sweet pepper. Entomologia Experimentalis Et Applicata, 2018, 166, 574-582.	0.7	13
162	Density dependence and persistence of Morogoro arenavirus transmission in a fluctuating population of its reservoir host. Journal of Animal Ecology, 2020, 89, 506-518.	1.3	13

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163	Feeding behavior and activity of Phlebotomus pedifer and potential reservoir hosts of Leishmania aethiopica in southwestern Ethiopia. PLoS Neglected Tropical Diseases, 2020, 14, e0007947.	1.3	13
164	The presence of Praomys, Lophuromys, and Deomys species (Muridae, Mammalia) in the forest blocks separated by the Congo River and its tributaries (Kisangani region, Democratic Republic of Congo). Mammalia, 2008, 72, .	0.3	12
165	Reproduction and survival of rodents in crop fields: the effects of rainfall, crop stage and stone-bund density. Wildlife Research, 2015, 42, 158.	0.7	11
166	Biweekly supplementation with Artemia spp. cysts allows efficient population establishment by Macrolophus pygmaeus in sweet pepper. Entomologia Experimentalis Et Applicata, 2019, 167, 406-414.	0.7	11
167	Farmersâ€™ perspectives of rodent damage and rodent management in smallholder maize cropping systems of Southern Ethiopia. Crop Protection, 2020, 136, 105232.	1.0	11
168	Molecular detection and genomic characterization of diverse hepaciviruses in African rodents. Virus Evolution, 2021, 7, veab036.	2.2	11
169	Chimpanzees surviving in a fragmented highâ€altitude forest landscape of the Congolese Albertine Rift. Conservation Science and Practice, 2021, 3, e403.	0.9	11
170	Analysing the recolonisation of a highly fragmented landscape by wild boar using a landscape genetic approach. Wildlife Biology, 2019, 2019, .	0.6	11
171	Preliminary investigation on rodentâ€“ectoparasite associations in the highlands of Tigray, Northern Ethiopia: implications for potential zoonoses. Integrative Zoology, 2011, 6, 366-374.	1.3	10
172	Locating elephant corridors between Saadani National Park and the Wami-Mbiki Wildlife Management Area, Tanzania. African Journal of Ecology, 2014, 52, 448-457.	0.4	10
173	Brucellosis in cattle and micro-scale spatial variability of pastoral household income from dairy production in south western Uganda. Acta Tropica, 2017, 175, 130-137.	0.9	10
174	Application of normalized difference vegetation index (NDVI) to forecast rodent population abundance in smallholder agro-ecosystems in semi-arid areas in Tanzania. Mammalia, 2020, 84, 136-143.	0.3	10
175	Effects of forest disturbance on the fitness of an endemic rodent in a biodiversity hotspot. Ecology and Evolution, 2021, 11, 2391-2401.	0.8	10
176	Eradication of hantavirus infection among laboratory rats by application of caesarian section and a foster mother technique. Journal of Infection, 1992, 25, 181-190.	1.7	9
177	Shrew trap efficiency: experience from primary forest, secondary forest, old fallow land and old palm plantation in the Congo River basin (Kisangani, Democratic Republic of Congo). Mammalia, 2008, 72, .	0.3	9
178	Polymorphism and signatures of selection in the multimammate rat DQB gene. Immunogenetics, 2010, 62, 59-64.	1.2	9
179	New data on the distribution and phylogenetic position of Mastomys awashensis (Rodentia, Muridae). Mammalian Biology, 2010, 75, 459-462.	0.8	9
180	Soil type influences population dynamics and survival of the Multimammate rat (Mastomys natalensis) in semi-arid areas in Tanzania. Crop Protection, 2019, 124, 104829.	1.0	9

#	Article	IF	Citations
181	Environmental factors influencing beaver dam locations. Journal of Wildlife Management, 2019, 83, 356-364.	0.7	9
182	Functional volumes, niche packing and species richness: biogeographic legacies in the Congo Basin. Royal Society Open Science, 2020, 7, 191582.	1.1	9
183	Relationship between sampling intensity and precision for estimating damage to maize caused by rodents. Integrative Zoology, 2007, 2, 131-135.	1.3	8
184	Differences in diet between two rodent species,Mastomys natalensisandGerbilliscus vicinus, in fallow land habitats in central Tanzania. African Zoology, 2011, 46, 387-392.	0.2	8
185	Land use determinants of small mammals abundance and distribution in a plague endemic area of Lushoto District, Tanzania. Tanzania Journal of Health Research, 2014, 16, 219-28.	0.1	8
186	Puumala hantavirus infection alters the odour attractiveness of its reservoir host. Oecologia, 2014, 176, 955-963.	0.9	8
187	Evaluation of a pan-Leishmania SL RNA qPCR assay for parasite detection in laboratory-reared and field-collected sand flies and reservoir hosts. Parasites and Vectors, 2020, 13, 276.	1.0	8
188	Meeting report: Eleventh International Conference on Hantaviruses. Antiviral Research, 2020, 176, 104733.	1.9	8
189	Linking Behavior, Co-infection Patterns, and Viral Infection Risk With the Whole Gastrointestinal Helminth Community Structure in Mastomys natalensis. Frontiers in Veterinary Science, 2021, 8, 669058.	0.9	8
190	Paleoclimate, ecoregion size, and degree of isolation explain regional biodiversity differences among terrestrial vertebrates within the Congo Basin. Belgian Journal of Zoology, 0, 149, .	0.5	8
191	Biogeographical Importance of the Livingstone Mountains in Southern Tanzania: Comparative Genetic Structure of Small Non-volant Mammals. Frontiers in Ecology and Evolution, 2022, 9, .	1.1	8
192	Symptomatic Human Hantavirus in the Americas. Emerging Infectious Diseases, 2007, 13, 345-346.	2.0	7
193	Demography, reproductive biology and diet of the bushveld gerbil Tatera leucogaster (Rodentia: Gerbillinae) in the Lake Rukwa valley, southâ€western Tanzania. Integrative Zoology, 2008, 3, 31-37.	1.3	7
194	Complete genome characterisation and phylogenetic position of Tigray hantavirus from the Ethiopian white-footed mouse, Stenocephalemys albipes. Infection, Genetics and Evolution, 2016, 45, 242-245.	1.0	7
195	Tigray Orthohantavirus Infects Two Related Rodent Species Adapted to Different Elevations in Ethiopia. Vector-Borne and Zoonotic Diseases, 2019, 19, 950-953.	0.6	7
196	The effects of personality on survival and trappability in a wild mouse during a population cycle. Oecologia, 2021, 195, 901-913.	0.9	7
197	Factors influencing the distribution and abundance of small rodent pest species in agricultural landscapes in Eastern Uganda. Journal of Vertebrate Biology, 2020, 69, .	0.4	7
198	Shrews (Soricidae) of the lowland forests around Kisangani (DR Congo). Biodiversity Data Journal, 2019, 7, e46948.	0.4	7

#	Article	IF	Citations
199	Farmer survey in the hinterland of Kisangani (Democratic Republic of Congo) on rodent crop damage and rodent control techniques used. Mammalia, 2008, 72, .	0.3	6
200	Distribution and ecology of lesser pouched rat, Beamys hindei, in Tanzanian coastal forests. Integrative Zoology, 2015, 10, 531-542.	1.3	6
201	Polymorphism invkorc1Gene of Natal Multimammate Mice,Mastomys natalensis, in Tanzania. Journal of Heredity, 2015, 106, 637-643.	1.0	6
202	Home ranges, sex ratio and recruitment of the multimammate rat (Mastomys natalensis) in semi-arid areas in Tanzania. Mammalia, 2020, 84, 336-343.	0.3	6
203	Microgeographical distribution of shrews (Mammalia, Soricidae) in the Congo River basin (Kisangani,) Tj ETQq1 1 0.784314 rgBT /Ove	0.3	5
204	The role of growth stop as a morphogenetic factor in Mastomys natalensis (Rodentia: Muridae). Biological Journal of the Linnean Society, 2009, 97, 791-800.	0.7	5
205	Integrating land cover and terrain characteristics to explain plague risks in Western Usambara Mountains, Tanzania: a geospatial approach. Tanzania Journal of Health Research, 2014, 16, 207-18.	0.1	5
206	Is leaf pruning the key factor to successful biological control of aphids in sweet pepper?. Pest Management Science, 2020, 76, 676-684.	1.7	5
207	Why Hantavirus Prevalence Does Not Always Increase With Host Density: Modeling the Role of Host Spatial Behavior and Maternal Antibodies. Frontiers in Cellular and Infection Microbiology, 2020, 10, 536660.	1.8	5
208	An integrative approach to identify sand fly vectors of leishmaniasis in Ethiopia by morphological and molecular techniques. Parasites and Vectors, 2020, 13, 580.	1.0	5
209	Nonlinear maternal effects on personality in a rodent species with fluctuating densities. Environmental Epigenetics, 2021, 67, 1-9.	0.9	5
210	Livestock grazing intensity affects abundance of Common shrews (Sorex araneus) in two meadows in Denmark. BMC Ecology, 2009, 9, 2.	3.0	4
211	Complementary DNA sequences encoding the multimammate rat MHC class II DQ Î± and Î² chains and crossâ€speciesequence comparison in rodents. Tissue Antigens, 2009, 74, 233-237.	1.0	4
212	Contribution of land use to rodent flea load distribution in the plague endemic area of Lushoto District, Tanzania. Tanzania Journal of Health Research, 2014, 16, 240-9.	0.1	4
213	Population and breeding patterns of the pest rodent: Mastomys natalensis in a maize dominated agroecosystem in Lake Victoria crescent zone, Eastern Uganda. African Zoology, 2021, 56, 76-84.	0.2	4
214	Prevalence of Orthohantavirus-Reactive Antibodies in Humans and Peri-Domestic Rodents in Northern Ethiopia. Viruses, 2021, 13, 1054.	1.5	4
215	Detection of Cutaneous Leishmaniasis Foci in South Ethiopia. American Journal of Tropical Medicine and Hygiene, 2021, 105, 156-158.	0.6	4
216	Mice, Rats, and People: The Bio-Economics of Agricultural Rodent Pests. Frontiers in Ecology and the Environment, 2003, 1, 367.	1.9	4

#	Article	IF	Citations
217	Fishing cat Prionailurus viverrinus distribution and habitat suitability in Nepal. Ecology and Evolution, 2022, 12, e8857.	0.8	4
218	Differences in Diet between Two Rodent Species,Mastomys natalensisandGerbilliscus vicinus, in Fallow Land Habitats in Central Tanzania^{â€}. African Zoology, 2011, 46, 387-392.	0.2	3
219	Survival and movement of the Congo forest mouse (Deomys ferrugineus): a comparison of primary rainforest and fallow land in Kisangani, Democratic Republic of Congo. African Zoology, 2012, 47, 147-159.	0.2	3
220	Improving the accuracy of livestock distribution estimates through spatial interpolation. Geospatial Health, 2012, 7, 101.	0.3	3
221	Relative importance of wildlife and livestock transmission route of brucellosis in southwestern Uganda. Data in Brief, 2018, 19, 1080-1085.	0.5	3
222	Using an online survey to assess the spatial distribution of wild boar (Sus scrofa L.) crop damage and factors influencing this distribution and severity in Limburg province, Belgium. Belgian Journal of Zoology, 0, 149, .	0.5	3
223	New ideas for personal library maintenance software. Nature, 1993, 366, 183-184.	13.7	2
224	Human activity spaces and plague risks in three contrasting landscapes in Lushoto District, Tanzania. Tanzania Journal of Health Research, 2014, 16, 150-60.	0.1	2
225	Development of eight polymorphic microsatellite markers in the Black and Rufous sengi, Rhynchocyon petersi. Conservation Genetics Resources, 2015, 7, 193-195.	0.4	2
226	Fitness of the pestiferous small rodent Mastomys natalensis in an agroecosystem in Mayuge district, Lake Victoria Crescent, Uganda. Mammalia, 2020, 84, 344-353.	0.3	2
227	High-resolution habitat suitability model for Phlebotomus pedifer, the vector of cutaneous leishmaniasis in southwestern Ethiopia. Parasites and Vectors, 2020, 13, 467.	1.0	2
228	Small mammals distribution and diversity in a plague endemic area in West Usambara Mountains, Tanzania. Tanzania Journal of Health Research, 2014, 16, 173-81.	0.1	1
229	No evidence for avoidance of black rat scent by the presumably less competitive Natal multimammate mouse in a choice experiment. African Zoology, 2017, 52, 119-123.	0.2	1
230	Sylvatic plague in Central Asia: a case study of abundance thresholds. , 2019, , 623-643.		1
231	Parasites and pest population management. , 2006, , 565-591.		1
232	Ecologically-Based Rodent Management. Journal of Wildlife Management, 2001, 65, 370.	0.7	0
233	Survival and Movement of the Congo Forest Mouse (Deomys ferrugineus): A Comparison of Primary Rainforest and Fallow Land in Kisangani, Democratic Republic of Congoâ€. African Zoology, 2012, 47, 147-159.	0.2	0
234	Optimizing denominator data estimation through a multimodel approach. Geospatial Health, 2014, 8, 573.	0.3	0

#	Article	IF	Citations
235	The 13th African Small Mammal Symposium in Mekelle, Ethiopia, and the evolution of these meetings. Journal of Vertebrate Biology, 2020, 69, 1.	0.4	0
236	Season and habitat affect diversity, abundance and reproductive state of small mammals near Lake Abaya, Ethiopia. Mammalia, 2021, 85, 236-247.	0.3	0
237	Conflicts between large carnivores and local pastoralists around Niokolo Koba National Park, Senegal. European Journal of Wildlife Research, 2022, 68, 1.	0.7	0
238	Population estimation and livestock loss by spotted hyena (Crocuta crocuta) in Damota community managed forest, Southern Ethiopia. Global Ecology and Conservation, 2022, 34, e02037.	1.0	0
239	Title is missing!. , 2020, 14, e0007947.		0
240	Title is missing!. , 2020, 14, e0007947.		0
241	Title is missing!. , 2020, 14, e0007947.		0
242	Title is missing!. , 2020, 14, e0007947.		0
243	Title is missing!. , 2020, 14, e0007947.		0
244	Title is missing!. , 2020, 14, e0007947.		0