

# Heike Lutermann

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

1,370  
citations

471509

17  
h-index

361022

35  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1950  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fructose-driven glycolysis supports anoxia resistance in the naked mole-rat. <i>Science</i> , 2017, 356, 307-311.	12.6	503
2	Patterns and dynamics of sex-biased dispersal in a nocturnal primate, the grey mouse lemur, <i>Microcebus murinus</i> . <i>Animal Behaviour</i> , 2003, 65, 709-719.	1.9	75
3	The role of survival for the evolution of female philopatry in a solitary forager, the grey mouse lemur ( <i>Microcebus murinus</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2527-2533.	2.6	57
4	Rapid molecular evolution of pain insensitivity in multiple African rodents. <i>Science</i> , 2019, 364, 852-859.	12.6	57
5	Resting and nesting in a small mammal: sleeping sites as a limiting resource for female grey mouse lemurs. <i>Animal Behaviour</i> , 2010, 79, 1211-1219.	1.9	53
6	The Role of Host Traits, Season and Group Size on Parasite Burdens in a Cooperative Mammal. <i>PLoS ONE</i> , 2011, 6, e27003.	2.5	43
7	Physiological suppression eases in Damaraland mole-rat societies when ecological constraints on dispersal are relaxed. <i>Hormones and Behavior</i> , 2010, 57, 177-183.	2.1	36
8	Effects of life-history traits on parasite load in grey squirrels. <i>Journal of Zoology</i> , 2010, 282, 246-255.	1.7	35
9	Hibernation and non-shivering thermogenesis in the Hottentot golden mole ( <i>Amblysomus</i> ) Environmental Physiology, 2008, 178, 887-897.	1.5	28
10	Spatial learning and memory in African mole-rats: The role of sociality and sex. <i>Physiology and Behavior</i> , 2009, 96, 128-134.	2.1	26
11	Reproductive status and testosterone among females in cooperative mole-rat societies. <i>General and Comparative Endocrinology</i> , 2013, 187, 60-65.	1.8	25
12	Energetic Benefits of Sociality Offset the Costs of Parasitism in a Cooperative Mammal. <i>PLoS ONE</i> , 2013, 8, e57969.	2.5	24
13	Seasonal reproduction in the Arabian spiny mouse, <i>Acomys dimidiatus</i> (Rodentia: Muridae) from Saudi Arabia: The role of rainfall and temperature. <i>Journal of Arid Environments</i> , 2016, 124, 352-359.	2.4	23
14	The Namaqua rock mouse ( <i>Micaelamys namaquensis</i> ) as a potential reservoir and host of arthropod vectors of diseases of medical and veterinary importance in South Africa. <i>Parasites and Vectors</i> , 2014, 7, 366.	2.5	22
15	Reproductive suppression and the seasonality of reproduction in the social Natal mole-rat ( <i>Cryptomys</i> )	1.8	21
16	Ectoparasite Burdens of the Common Mole-Rat ( <i>Cryptomys hottentotus hottentotus</i> ) From the Cape Provinces of South Africa. <i>Journal of Parasitology</i> , 2014, 100, 79-84.	0.7	19
17	Ectoparasite diversity in the eastern rock sengis ( <i>Elephantulus myurus</i> ): the effect of seasonality and host sex. <i>African Zoology</i> , 2015, 50, 109-117.	0.4	19
18	Evidence for interspecific interactions in the ectoparasite infracommunity of a wild mammal. <i>Parasites and Vectors</i> , 2016, 9, 58.	2.5	19

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19	Breeding status and social environment differentially affect the expression of sex steroid receptor and aromatase mRNA in the brain of female Damaraland mole-rats. <i>Frontiers in Zoology</i> , 2014, 11, 38.	2.0	18
20	Reproductive patterns in the Baluchistan gerbil, <i>Gerbillus nanus</i> (Rodentia: Muridae), from western Saudi Arabia: The role of rainfall and temperature. <i>Journal of Arid Environments</i> , 2015, 113, 87-94.	2.4	17
21	Non-invasive assessment of glucocorticoid and androgen metabolite levels in cooperatively breeding Damaraland mole-rats ( <i>Fukomys damarensis</i> ). <i>General and Comparative Endocrinology</i> , 2018, 266, 202-210.	1.8	16
22	An empirical estimate of the generation time of mouse lemurs. <i>American Journal of Primatology</i> , 2019, 81, e23062.	1.7	16
23	Control of ovulation in female giant mole-rats ( <i>Fukomys mechowii</i> ) (Rodentia: Bathyergidae), and phylogenetic trends within the family. <i>Journal of Zoology</i> , 2010, 282, 64-74.	1.7	15
24	Strong immune function: a benefit promoting the evolution of sociality?. <i>Journal of Zoology</i> , 2008, 275, 26-32.	1.7	14
25	Abiotic and biotic determinants of tick burdens in the eastern rock sengi ( <i>Elephantulus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.5	14
26	Complex interactions within the ectoparasite community of the eastern rock sengi ( <i>Elephantulus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.5	14
27	Effects of life-history traits on parasitism in a monogamous mammal, the eastern rock sengi ( <i>Elephantulus myurus</i> ). <i>Die Naturwissenschaften</i> , 2012, 99, 103-110.	1.6	13
28	Natural Parasite Infection Affects the Tolerance but Not the Response to a Simulated Secondary Parasite Infection. <i>PLoS ONE</i> , 2012, 7, e52077.	2.5	13
29	Ticks of four-toed elephant shrews and Southern African hedgehogs. <i>Onderstepoort Journal of Veterinary Research</i> , 2011, 78, 243.	1.2	11
30	Natural hosts of the larvae of <i>Nuttalliella</i> sp. ( <i>N. namaqua</i> ) (Acari: Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.2	11
31	Genotyping and comparative pathology of <i>Spirocerca</i> in black-backed jackals ( <i>Canis mesomelas</i> ) in South Africa. <i>BMC Veterinary Research</i> , 2017, 13, 245.	1.9	10
32	Ectoparasite Burdens of the Damaraland Mole-Rat ( <i>Fukomys damarensis</i> ) from Southern Africa. <i>Journal of Parasitology</i> , 2015, 101, 666-670.	0.7	9
33	Digging for answers: contributions of density- and frequency-dependent factors on ectoparasite burden in a social mammal. <i>Oecologia</i> , 2016, 180, 429-438.	2.0	9
34	The effect of cattle-administered ivermectin and fipronil on the mortality and fecundity of <i>Anopheles arabiensis</i> Patton. <i>Parasites and Vectors</i> , 2021, 14, 349.	2.5	9
35	Determinants of Helminth Infection in a Subterranean Rodent, the Cape Dune Mole-Rat ( <i>Bathyergus</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.7	8
36	The pattern of ovulation in Ansell's mole-rat: phylogenetic or ecological constraints?. <i>Journal of Zoology</i> , 2010, 281, 66-73.	1.7	7

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37	Role of dung beetle feeding mechanisms in limiting the suitability of species as hosts for the nematode <i>Spirocerca lupi</i> . <i>Medical and Veterinary Entomology</i> , 2012, 26, 455-457.	1.5	7
38	Living on the edge: Daily, seasonal and annual body temperature patterns of Arabian oryx in Saudi Arabia. <i>PLoS ONE</i> , 2017, 12, e0180269.	2.5	7
39	The Distribution of Gastrointestinal Parasites in Two Populations of Common Mole-Rats ( <i>Cryptomys</i> ) Tj ETQq1 1 0.784314 rgBT /Over 0.7 6	0.7	6
40	Life-history traits, but not season, affect the febrile response to a lipopolysaccharide challenge in highveld mole-rats. <i>Journal of Zoology</i> , 2011, 285, 222-229.	1.7	5
41	A new ascaridid nematode, <i>Mammalakis zambiensis</i> n. sp. (Heterakoidea: Kiwinematidae), from the mole rat <i>Fukomys anselli</i> (Burda, Zima, Scharff, MacholÅ;n & Kawalika) (Rodentia: Bathyergidae) in Zambia. <i>Systematic Parasitology</i> , 2017, 94, 557-566.	1.1	4
42	First Report of Gastrointestinal Parasites from Ansell's Mole-Rat ( <i>Fukomys anselli</i> ) in Zambia. <i>Journal of Parasitology</i> , 2018, 104, 566-570.	0.7	4
43	Space use and the evolution of social monogamy in eastern rock sengis. <i>Ethology</i> , 2020, 126, 393-402.	1.1	4
44	<i>Monanema joopin</i> . sp. (Nematoda, Onchocercidae) from <i>Acomys (Acomys) spinosissimus</i> Peters, 1852 (Muridae) in South Africa, with comments on the filarial genus. <i>Parasite</i> , 2012, 19, 331-340.	2.0	3
45	Sex ratio variation in a eusocial mammal, the Damaraland mole-rat, <i>Fukomys damarensis</i> . <i>Journal of Zoology</i> , 2014, 294, 139-145.	1.7	3
46	Sex and dose-dependent responses of urinary and faecal glucocorticoid metabolite concentrations following an ACTH challenge in eastern rock sengis ( <i>Elephantulus myurus</i> ). <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2020, 245, 110696.	1.8	3
47	Parasite-Mediated Mate Preferences in a Cooperatively Breeding Rodent. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	3
48	Mini-series: social evolution. <i>Journal of Zoology</i> , 2013, 291, 1-2.	1.7	2
49	Endoparasites of the Spiny Mouse ( <i>Acomys spinosissimus</i> ) from South Africa. <i>Journal of Parasitology</i> , 2014, 100, 144-146.	0.7	2
50	Endoparasites of the Eastern Rock Sengi ( <i>Elephantulus myurus</i> ) from South Africa. <i>Journal of Parasitology</i> , 2015, 101, 677-681.	0.7	2
51	Sex-Biased Parasitism. , 2019, , 732-738.		2
52	Characterization of 14 polymorphic microsatellite loci developed for an Afrotherian species endemic to southern Africa, <i>Elephantulus myurus</i> (Macroscelidea: Macroscelididae). <i>Applied Entomology and Zoology</i> , 2017, 52, 139-145.	1.2	1
53	Morphological and Molecular Characterization of the Plague Vector <i>Xenopsylla brasiliensis</i> . <i>Journal of Parasitology</i> , 2021, 107, 289-294.	0.7	1
54	Repeatability of daily profiles of baseline glucocorticoid metabolites measured in the urine and faeces of eastern rock sengis ( <i>Elephantulus myurus</i> ). <i>General and Comparative Endocrinology</i> , 2021, 312, 113857.	1.8	1

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55	Surveys and Literature Review of Parasites among African Mole-Rats: Proposing Hypotheses for the Roles of Geography, Ecology, and Host Phylogenetic Relatedness in Parasite Sharing. <i>Journal of Parasitology</i> , 2020, 106, 38.	0.7	1
56	Possible modulatory effects of male cues and social system on luteinizing hormone and pituitary sensitivity in two African mole-rats. <i>African Zoology</i> , 2012, 47, 80-84.	0.4	0
57	Possible Modulatory Effects of Male Cues and Social System on Luteinizing Hormone and Pituitary Sensitivity in Two African Mole-Rats. <i>African Zoology</i> , 2012, 47, 80-84.	0.4	0
58	A mathematical model for the cannabis epidemic in a South African province with a non-linear incidence rate. <i>Journal of Statistics and Management Systems</i> , 0, , 1-21.	0.6	0
59	Surveys and Literature Review of Parasites among African Mole-Rats: Proposing Hypotheses for the Roles of Geography, Ecology, and Host Phylogenetic Relatedness in Parasite Sharing. <i>Journal of Parasitology</i> , 2020, 106, 38-45.	0.7	0
60	Socializing in an Infectious World: The Role of Parasites in Social Evolution of a Unique Rodent Family. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	0