

Maria K Oosthuizen

List of Publications by Year in descending order

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67
papers

974
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471509

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#	ARTICLE	IF	CITATIONS
1	Circadian Rhythms of Locomotor Activity in Solitary and Social Species of African Mole-Rats (Family: Tj ETQq1 1 0.784314 rgBT / Over	2.6	87
2	Energetics reveals physiologically distinct castes in a eusocial mammal. <i>Nature</i> , 2006, 440, 795-797.	27.8	74
3	Telencephalic binding sites for oxytocin and social organization: A comparative study of eusocial naked mole-rats and solitary cape mole-rats. <i>Journal of Comparative Neurology</i> , 2010, 518, 1792-1813.	1.6	66
4	Specialized mechanoreceptor systems in rodent glabrous skin. <i>Journal of Physiology</i> , 2018, 596, 4995-5016.	2.9	66
5	The chronobiology of the Natal mole-rat, <i>Cryptomys hottentotus natalensis</i> . <i>Physiology and Behavior</i> , 2004, 82, 563-569.	2.1	36
6	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
7	Adult neurogenesis and its anatomical context in the hippocampus of three mole-rat species. <i>Frontiers in Neuroanatomy</i> , 2014, 8, 39.	1.7	35
8	Body Temperature Patterns and Rhythmicity in Free-Ranging Subterranean Damaraland Mole-Rats, <i>Fukomys damarensis</i> . <i>PLoS ONE</i> , 2011, 6, e26346.	2.5	26
9	Circadian rhythms of locomotor activity in Ansell's mole-rat: are mole-rat's clocks ticking?. <i>Journal of Zoology</i> , 2008, 276, 343-349.	1.7	25
10	Locomotor activity and body temperature rhythms in the Mahali mole-rat (<i>C. h. mahali</i>): The effect of light and ambient temperature variations. <i>Journal of Thermal Biology</i> , 2019, 79, 24-32.	2.5	25
11	Circadian rhythms of locomotor activity in the subterranean Mashona mole rat, <i>Cryptomys darlingi</i> . <i>Physiology and Behavior</i> , 2005, 84, 181-191.	2.1	24
12	Circadian rhythms of locomotor activity in the Lesotho mole-rat, <i>Cryptomys hottentotus</i> subspecies from Sani Pass, South Africa. <i>Physiology and Behavior</i> , 2006, 89, 205-212.	2.1	22
13	Reproductive suppression and the seasonality of reproduction in the social Natal mole-rat (<i>Cryptomys</i>) Tj ETQq1 1 0.784314 rgBT / Over	1.8	29
14	Heat and dehydration induced oxidative damage and antioxidant defenses following incubator heat stress and a simulated heat wave in wild caught four-striped field mice <i>Rhabdomys dilectus</i> . <i>PLoS ONE</i> , 2020, 15, e0242279.	2.5	21
15	Seasonal energetics of the Hottentot golden mole at 1500 m altitude. <i>Physiology and Behavior</i> , 2005, 84, 739-745.	2.1	20
16	The effect of ambient temperature on locomotor activity patterns in reproductive and non-reproductive female Damaraland mole-rats. <i>Journal of Zoology</i> , 2015, 297, 1-8.	1.7	20
17	Effect of colony disruption and social isolation on naked mole-rat endocrine correlates. <i>General and Comparative Endocrinology</i> , 2020, 295, 113520.	1.8	19
18	Sociality and the telencephalic distribution of corticotrophin-releasing factor, urocortin 3, and binding sites for CRF type 1 and type 2 receptors: A comparative study of eusocial naked mole-rats and solitary Cape mole-rats. <i>Journal of Comparative Neurology</i> , 2015, 523, 2344-2371.	1.6	18

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19	The topography of rods, cones and intrinsically photosensitive retinal ganglion cells in the retinas of a nocturnal (<i>Micaelamys namaquensis</i>) and a diurnal (<i>Rhabdomys pumilio</i>) rodent. <i>PLoS ONE</i> , 2018, 13, e0202106.	2.5	18
20	Locomotor Activity and Body Temperature Patterns over a Temperature Gradient in the Highveld Mole-Rat (<i>Cryptomys hottentotus pretoriae</i>). <i>PLoS ONE</i> , 2017, 12, e0169644.	2.5	18
21	Effects of Laboratory Housing on Exploratory Behaviour, Novelty Discrimination and Spatial Reference Memory in a Subterranean, Solitary Rodent, the Cape Mole-Rat (<i>Georychus capensis</i>). <i>PLoS ONE</i> , 2013, 8, e75863.	2.5	16
22	LH responses to single doses of exogenous GnRH in the Cape mole rat (<i>Georychus capensis</i>): the pituitary potential for opportunistic breeding. <i>Journal of Zoology</i> , 2007, 271, 198-202.	1.7	13
23	Locomotor activity in the Namaqua rock mouse (<i>Micaelamys namaquensis</i>): entrainment by light manipulations. <i>Canadian Journal of Zoology</i> , 2014, 92, 1083-1091.	1.0	13
24	Long bone histomorphogenesis of the naked mole-rat: Histodiversity and intraspecific variation. <i>Journal of Anatomy</i> , 2021, 238, 1259-1283.	1.5	13
25	Ambient Temperature as a Strong Zeitgeber of Circadian Rhythms in Response to Temperature Sensitivity and Poor Heat Dissipation Abilities in Subterranean African Mole-Rats. <i>Journal of Biological Rhythms</i> , 2021, 36, 461-469.	2.6	13
26	Fos expression in the suprachiasmatic nucleus in response to light stimulation in a solitary and social species of African mole-rat (family Bathyergidae). <i>Neuroscience</i> , 2005, 133, 555-560.	2.3	12
27	Trading new neurons for status: Adult hippocampal neurogenesis in eusocial Damaraland mole-rats. <i>Neuroscience</i> , 2016, 324, 227-237.	2.3	12
28	A comparison of density estimation methods in plateau pika populations in an alpine meadow ecosystem. <i>Journal of Mammalogy</i> , 2020, 101, 1091-1096.	1.3	11
29	Bone remodeling in the longest living rodent, the naked mole-rat: Interelement variation and the effects of reproduction. <i>Journal of Anatomy</i> , 2021, 239, 81-100.	1.5	11
30	An immunohistochemical study of the gonadotrophin-releasing hormone 1 system in solitary Cape mole-rats, <i>Georychus capensis</i> , and social Natal mole-rats, <i>Cryptomys hottentotus natalensis</i> . <i>Neuroscience</i> , 2008, 157, 164-173.	2.3	10
31	PHOTIC INDUCTION OF Fos IN THE SUPRACHIASMATIC NUCLEUS OF AFRICAN MOLE-RATS: RESPONSES TO INCREASING IRRADIANCE. <i>Chronobiology International</i> , 2010, 27, 1532-1545.	2.0	10
32	Orexinergic neuron numbers in three species of African mole rats with rhythmic and arrhythmic chronotypes. <i>Neuroscience</i> , 2011, 199, 153-165.	2.3	10
33	A tale of two jirds: The locomotory activity patterns of the King jird (<i>Meriones rex</i>) and Lybian jird (<i>Meriones libicus</i>) from Saudi Arabia. <i>Journal of Arid Environments</i> , 2013, 88, 102-112.	2.4	10
34	Clocks Ticking in the Dark: A Review of Biological Rhythms in Subterranean African Mole-Rats. <i>Frontiers in Ecology and Evolution</i> , 2022, 10, .	2.2	10
35	The locomotory activity rhythm of the spiny mouse, <i>Comys spinosissimus</i> from southern Africa: light entrainment and endogenous circadian rhythms. <i>Journal of Zoology</i> , 2012, 288, 93-102.	1.7	8
36	From Mice to Mole-Rats: Species-Specific Modulation of Adult Hippocampal Neurogenesis. <i>Frontiers in Neuroscience</i> , 2017, 11, 602.	2.8	8

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37	Neuroanatomical investigation of the gonadotrophin-releasing hormone 1 system in the seasonally breeding Cape dune mole-rat, <i>Bathyergus suillus</i> . <i>Brain Research Bulletin</i> , 2008, 77, 185-188.	3.0	7
38	Lights Out, Let's Move About: Locomotory Activity Patterns of Wagner's Gerbil from the Desert of Saudi Arabia. <i>African Zoology</i> , 2012, 47, 195-202.	0.4	7
39	Effects of photophase illuminance on locomotor activity, urine production and urinary 6-sulfatoxymelatonin in nocturnal and diurnal South African rodents. <i>Journal of Experimental Biology</i> , 2017, 220, 1684-1692.	1.7	7
40	Locomotor activity in field captured crepuscular four-striped field mice, <i>Rhabdomys dilectus</i> and nocturnal Namaqua rock mice, <i>Micaelamys namaquensis</i> during a simulated heat wave. <i>Journal of Thermal Biology</i> , 2020, 87, 102479.	2.5	7
41	Risk assessment in the plateau pika (<i>Ochotona curzoniae</i>): intensity of behavioral response differs with predator species. <i>BMC Ecology</i> , 2020, 20, 41.	3.0	7
42	Flexibility in body temperature rhythms of free-living natal mole-rats (<i>Cryptomys hottentotus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542</i>	2.5	7
43	Energetics and Water Flux in the Subterranean Rodent Family Bathyergidae. <i>Frontiers in Ecology and Evolution</i> , 0, 10, .	2.2	7
44	Sleep and Wake in Rhythmic versus Arrhythmic Chronotypes of a Microphthalmic Species of African Mole Rat (<i>Fukomys mechowii</i>). <i>Brain, Behavior and Evolution</i> , 2011, 78, 162-183.	1.7	6
45	Down in the Wadi: The locomotory activity rhythm of the Arabian spiny mouse, <i>Acomys dimidiatus</i> from the Arabian Peninsula. <i>Journal of Arid Environments</i> , 2014, 102, 50-57.	2.4	6
46	Circadian rhythms of locomotor activity in captive eastern rock sengi. <i>Journal of Zoology</i> , 2012, 286, 250-257.	1.7	5
47	Locomotor activity patterns of captive East African root rats, <i>Tachyoryctes splendens</i> (Rodentia): <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 542</i>	1.3	5
48	Exploratory behaviour, memory and neurogenesis in the social Damaraland mole-rat (<i>Fukomys</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30</i>	1.7	5
49	Oxidative stress in response to heat stress in wild caught Namaqua rock mice, <i>Micaelamys namaquensis</i> . <i>Journal of Thermal Biology</i> , 2021, 98, 102958.	2.5	5
50	Seasonal Variation in Gonadal Steroids of Males and Females in the Cape Mole-Rat (<i>Georychus</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50</i>	0.4	4
51	Seasonal variation in gonadal steroids of males and females in the Cape mole-rat (<i>Georychus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50</i>	0.4	4
52	Circadian rhythms of locomotor activity in the reddish-grey musk shrew (Eulipotyphla: Soricidae) from South Africa. <i>Journal of Zoology</i> , 2011, 284, 124-132.	1.7	4
53	Effects of the colour of photophase light on locomotor activity in a nocturnal and a diurnal South African rodent. <i>Biology Letters</i> , 2019, 15, 20190597.	2.3	4
54	The effect of varying laboratory conditions on the locomotor activity of the nocturnal Namaqua rock mouse (<i>Micaelamys namaquensis</i>) and the diurnal Four-striped grass mouse (<i>Rhabdomys dilectus</i>). <i>Zoology</i> , 2020, 141, 125804.	1.2	4

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55	Effects of season and social status on gonadal function in social Natal mole-rats. <i>Journal of Mammalogy</i> , 2010, 91, 429-436.	1.3	3
56	Analysis of gonadotrophin-releasing hormone-1 and kisspeptin neuronal systems in the nonphotoregulated seasonally breeding eastern rock elephant shrew (<i>Elephantulus myurus</i>). <i>Journal of Comparative Neurology</i> , 2018, 526, 2388-2405.	1.6	3
57	Temporal flexibility in activity rhythms of a diurnal rodent, the ice rat (<i>Otomys sloggetti</i>). <i>Chronobiology International</i> , 2020, 37, 824-835.	2.0	3
58	Laterality in the Cape mole-rat, <i>Georchus capensis</i> . <i>Behavioural Processes</i> , 2021, 185, 104346.	1.1	3
59	Now you see me, now you don't: The locomotory activity rhythm of the Asian garden dormouse (<i>Eliomys melanurus</i>) from Saudi Arabia. <i>Mammalian Biology</i> , 2014, 79, 195-201.	1.5	2
60	Circadian rhythms of locomotor activity in captive Emin's mole-rats, <i>Heliophobius emini</i> (Rodentia: Bathyergidae). <i>Journal of Mammalogy</i> , 0, , gyw166.	1.3	2
61	Physiological rhythms are influenced by photophase wavelength in a nocturnal and a diurnal rodent species from South Africa. <i>Physiology and Behavior</i> , 2021, 240, 113551.	2.1	0
62	Title is missing!. , 2020, 15, e0242279.		0
63	Title is missing!. , 2020, 15, e0242279.		0
64	Title is missing!. , 2020, 15, e0242279.		0
65	Title is missing!. , 2020, 15, e0242279.		0
66	Title is missing!. , 2020, 15, e0242279.		0
67	Title is missing!. , 2020, 15, e0242279.		0