Noga Kronfeld-Schor

List of Publications by Year
in descending order

103 papers	4,830 citations	101543 36 h-index	106344 65 g-index
106 all docs	106 docs citations	106 times ranked	4956 citing authors

#	Article	IF	Citations
1	Partitioning of Time as an Ecological Resource. Annual Review of Ecology, Evolution, and Systematics, 2003, 34, 153-181.	8.3	697
2	SIRT6 protects against pathological damage caused by dietâ€induced obesity. Aging Cell, 2010, 9, 162-173.	6.7	262
3	The Circadian Syndrome: is the Metabolic Syndrome and much more!. Journal of Internal Medicine, 2019, 286, 181-191.	6.0	172
4	In search of a temporal niche. Progress in Brain Research, 2012, 199, 281-304.	1.4	166
5	Circadian rhythms and depression: Human psychopathology and animal models. Neuropharmacology, 2012, 62, 101-114.	4.1	140
6	Chronobiology by moonlight. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20123088.	2.6	140
7	Disrupted seasonal biology impacts health, food security and ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151453.	2.6	130
8	Two sides of a coin: ecological and chronobiological perspectives of timing in the wild. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160246.	4.0	124
9	Monitoring of natural and synthetic hormones in a polluted river. Journal of Environmental Management, 2006, 78, 16-23.	7.8	109
10	On the role of phylogeny in determining activity patterns of rodents. Evolutionary Ecology, 2006, 20, 479-490.	1.2	108
11	Sand rats see the light: Short photoperiod induces a depression-like response in a diurnal rodent. Behavioural Brain Research, 2006, 173, 153-157.	2.2	102
12	The dietary basis for temporal partitioning: food habits of coexisting Acomys species. Oecologia, 1999, 121, 123-128.	2.0	99
13	Dissociation of leptin secretion and adiposity during prehibernatory fattening in little brown bats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2000, 279, R1277-R1281.	1.8	96
14	Seasonal Thermogenic Acclimation of Diurnally and Nocturnally Active Desert Spiny Mice. Physiological and Biochemical Zoology, 2000, 73, 37-44.	1.5	91
15	On the Use of the Time Axis for Ecological Separation: Diel Rhythms as an Evolutionary Constraint. American Naturalist, 2001, 158, 451-457.	2.1	82
16	Time and ecological resilience: can diurnal animals compensate for climate change by shifting to nocturnal activity?. Ecological Monographs, 2019, 89, e01334.	5.4	79
17	The Relationship between the Golden Spiny Mouse Circadian System and Its Diurnal Activity: An Experimental Field Enclosures and Laboratory Study. Chronobiology International, 2007, 24, 599-613.	2.0	73
18	Effect of artificial night lighting on temporally partitioned spiny mice. Journal of Mammalogy, 2011, 92, 159-168.	1.3	73

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19	Chronobiology of interspecific interactions in a changing world. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160248.	4.0	69
20	We are in the dark here: induction of depression- and anxiety-like behaviours in the diurnal fat sand rat, by short daylight or melatonin injections. International Journal of Neuropsychopharmacology, 2009, 12, 83.	2.1	68
21	Animal clocks: when science meets nature. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131354.	2.6	68
22	Activity patterns of rodents: the physiological ecology of biological rhythms. Biological Rhythm Research, 2008, 39, 193-211.	0.9	65
23	Individual variability and photic entrainment of circadian rhythms in golden spiny mice. Physiology and Behavior, 2006, 87, 563-574.	2.1	64
24	Two strategies for coping with food shortage in desert golden spiny mice. Physiology and Behavior, 2007, 90, 95-102.	2.1	64
25	It is darkness and not light: Depression-like behaviors of diurnal unstriped Nile grass rats maintained under a short photoperiod schedule. Journal of Neuroscience Methods, 2010, 186, 165-170.	2.5	64
26	Effects of bright light treatment on depression- and anxiety-like behaviors of diurnal rodents maintained on a short daylight schedule. Behavioural Brain Research, 2009, 201, 343-346.	2.2	60
27	Ecological and histological aspects of tail loss in spiny mice (Rodentia: Muridae, Acomys) with a review of its occurrence in rodents. Journal of Zoology, 1999, 249, 187-193.	1.7	58
28	POPULATION BIOLOGY AND SPATIAL RELATIONSHIPS OF COEXISTING SPINY MICE (ACOMYS) IN ISRAEL. Journal of Mammalogy, 2000, 81, 1046-1052.	1.3	48
29	Defending body mass during food restriction in Acomys russatus: a desert rodent that does not store food. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 290, R881-R891.	1.8	45
30	Drivers of Infectious Disease Seasonality: Potential Implications for COVID-19. Journal of Biological Rhythms, 2021, 36, 35-54.	2.6	45
31	Steroid-Dependent Up-Regulation of Adipose Leptin Secretion In Vitro During Pregnancy in Mice1. Biology of Reproduction, 2000, 63, 274-280.	2.7	44
32	Adaptive Thermoregulation in Golden Spiny Mice: The Influence of Season and Food Availability on Body Temperature. Physiological and Biochemical Zoology, 2011, 84, 175-184.	1.5	44
33	Masking and Temporal Niche Switches in Spiny Mice. Journal of Biological Rhythms, 2010, 25, 47-52.	2.6	43
34	Thermal Ecology, Environments, Communities, and Global Change: Energy Intake and Expenditure in Endotherms. Annual Review of Ecology, Evolution, and Systematics, 2013, 44, 461-480.	8.3	42
35	Foraging Activity Pattern Is Shaped by Water Loss Rates in a Diurnal Desert Rodent. American Naturalist, 2016, 188, 205-218.	2.1	42
36	Antidepressants Reverse Short-Photoperiod-Induced, Forced Swim Test Depression-Like Behavior in the Diurnal Fat Sand Rat: Further Support for the Utilization of Diurnal Rodents for Modeling Affective Disorders. Neuropsychobiology, 2011, 63, 191-196.	1.9	40

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37	Changes in diet, body mass and fatty acid composition during pre-hibernation in a subtropical bat in relation to NPY and AgRP expression. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 2013, 183, 157-166.	1.5	37
38	Temporal partitioning among diurnally and nocturnally active desert spiny mice: energy and water turnover costs. Journal of Thermal Biology, 2001, 26, 139-142.	2.5	36
39	Effects of circadian phase and melatonin injection on anxiety-like behavior in nocturnal and diurnal rodents. Chronobiology International, 2013, 30, 828-836.	2.0	36
40	Effect of guard dogs on the behavior and reproduction of gazelles in cattle enclosures on the Golan Heights. Animal Conservation, 2009, 12, 155-162.	2.9	35
41	Plasticity of Circadian Activity and Body Temperature Rhythms in Golden Spiny Mice. Chronobiology International, 2009, 26, 430-446.	2.0	34
42	Activity Rhythms and Masking Response in the Diurnal Fat Sand Rat Under Laboratory Conditions. Chronobiology International, 2013, 30, 1123-1134.	2.0	34
43	Biophysical Modeling of the Temporal Niche: From First Principles to the Evolution of Activity Patterns. American Naturalist, 2012, 179, 794-804.	2.1	33
44	Diurnal rodents as an advantageous model for affective disorders: novel data from diurnal degu (Octodon degus). Journal of Neural Transmission, 2015, 122, 35-45.	2.8	32
45	Artificial Light at Night Promotes Activity Throughout the Night in Nesting Common Swifts (Apus) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	31
46	Subtropical mouse-tailed bats use geothermally heated caves for winter hibernation. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20142781.	2.6	30
47	Interspecific Competition and Torpor in Golden Spiny Mice: Two Sides of the Energy-Acquisition Coin. Integrative and Comparative Biology, 2011, 51, 441-448.	2.0	29
48	RETINAL STRUCTURE AND FORAGING MICROHABITAT USE OF THE GOLDEN SPINY MOUSE (<i>ACOMYS) Tj ETQq0 0 0 rgBT /Overlock 1	1.3	28
49	The Substructure of the Suprachiasmatic Nucleus: Similarities between Nocturnal and Diurnal Spiny Mice. Brain, Behavior and Evolution, 2010, 75, 9-22.	1.7	28
50	Voluntary exercise enhances activity rhythms and ameliorates anxiety- and depression-like behaviors in the sand rat model of circadian rhythm-related mood changes. Physiology and Behavior, 2015, 151, 441-447.	2.1	28
51	Utilization of Diurnal Rodents in the Research of Depression. Drug Development Research, 2016, 77, 336-345.	2.9	28
52	The circadian syndrome predicts cardiovascular disease better than metabolic syndrome in Chinese adults. Journal of Internal Medicine, 2021, 289, 851-860.	6.0	28
53	Adaptation to Life in the Desert in the Brown Hare (Lepus capensis). Journal of Mammalogy, 1996, 77, 171-178.	1.3	25
54	Light Masking in the Field: An Experiment with Nocturnal and Diurnal Spiny Mice Under Semi-natural Field Conditions. Chronobiology International, 2011, 28, 70-75.	2.0	25

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55	The Effect of the Lunar Cycle on Fecal Cortisol Metabolite Levels and Foraging Ecology of Nocturnally and Diurnally Active Spiny Mice. PLoS ONE, 2011, 6, e23446.	2.5	25
56	Using videotaping to validate the use of spraints as an index of Eurasian otter (Lutra lutra) activity. Ecological Indicators, 2008, 8, 462-465.	6.3	24
57	Effects of morning compared with evening bright light administration to ameliorate short-photoperiod induced depression- and anxiety-like behaviors in a diurnal rodent model. Journal of Neural Transmission, 2012, 119, 1241-1248.	2.8	24
58	Chronic MCH infusion causes a decrease in energy expenditure and body temperature, and an increase in serum IGF-1 levels in mice. Endocrine, 2009, 36, 479-485.	2.3	23
59	Arthropods as a prey resource: Patterns of diel, seasonal, and spatial availability. Journal of Arid Environments, 2009, 73, 458-462.	2.4	23
60	Models of mania: from facets to domains and from animal models to model animals. Journal of Psychopharmacology, 2010, 24, 437-438.	4.0	22
61	Inconsistent effects of photoperiod manipulations in tests for affective-like changes in mice. Behavioural Pharmacology, 2011, 22, 23-30.	1.7	21
62	Foraging sequence, energy intake and torpor: an individualâ€based field study of energy balancing in desert golden spiny mice. Ecology Letters, 2012, 15, 1240-1248.	6.4	21
63	Diurnality, Type 2 Diabetes, and Depressive-Like Behavior. Journal of Biological Rhythms, 2019, 34, 69-83.	2.6	21
64	Differential effects of photoperiod length on depression- and anxiety-like behavior in female and male diurnal spiny mice. Physiology and Behavior, 2016, 165, 1-6.	2.1	20
65	Melanin-concentrating hormone stimulates human growth hormone secretion: a novel effect of MCH on the hypothalamic-pituitary axis. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E982-E988.	3.5	19
66	Spontaneous caloric restriction associated with increased leptin levels in obesity-resistant Î±MUPA mice. International Journal of Obesity, 2011, 35, 226-235.	3.4	19
67	Beneficial effects of daytime high-intensity light exposure on daily rhythms, metabolic state and affect. Scientific Reports, 2020, 10, 19782.	3.3	19
68	Skin exposure to UVB light induces a skin-brain-gonad axis and sexual behavior. Cell Reports, 2021, 36, 109579.	6.4	19
69	Natural history, physiology and energetic strategies of Asellia tridens (Chiroptera). Mammalian Biology, 2013, 78, 94-103.	1.5	18
70	Differential effects of COVID-19 lockdowns on well-being: interaction between age, gender and chronotype. Journal of the Royal Society Interface, 2021, 18, 20210078.	3.4	17
71	A New Method of Determining Diets of Rodents. Journal of Mammalogy, 1998, 79, 1198-1202.	1.3	15
72	CAN AGGRESSION BE THE FORCE DRIVING TEMPORAL SEPARATION BETWEEN COMPETING COMMON AND GOLDEN SPINY MICE?. Journal of Mammalogy, 2006, 87, 48-53.	1.3	15

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73	A rather dry subject; investigating the study of arid-associated microbial communities. Environmental Microbiomes, 2020, 15, 20.	5.0	15
74	Flood-induced multiday torpor in golden spiny mice (Acomys russatus). Australian Journal of Zoology, 2018, 66, 401.	1.0	14
75	Red white and blue â€“ bright light effects in a diurnal rodent model for seasonal affective disorder. Chronobiology International, 2019, 36, 919-926.	2.0	14
76	Linking type 2 diabetes mellitus, cardiac hypertrophy and depression in a diurnal animal model. Scientific Reports, 2019, 9, 11865.	3.3	13
77	Hyperleptinemia in Pregnant Bats Is Characterized by Increased Placental Leptin Secretion In Vitro. Endocrine, 2001, 14, 225-234.	2.2	12
78	Effect of food availability and leptin on the physiology and hypothalamic gene expression of the golden spiny mouse: a desert rodent that does not hoard food. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 295, R2015-R2023.	1.8	10
79	Circadian disruption by short light exposure and a high energy diet impairs glucose tolerance and increases cardiac fibrosis in Psammomys obesus. Scientific Reports, 2021, 11, 9673.	3.3	10
80	TEMPORAL AND SPATIAL INFLUENCES ON ROAD MORTALITY IN OTTERS: CONSERVATION IMPLICATIONS. Israel Journal of Zoology, 2005, 51, 199-207.	0.2	9
81	Time budget, oxygen consumption and body mass responses to parasites in juvenile and adult wild rodents. Parasites and Vectors, 2016, 9, 120.	2.5	9
82	High-Energy Diet and Shorter Light Exposure Drives Markers of Adipocyte Dysfunction in Visceral and Subcutaneous Adipose Depots of Psammomys obesus. International Journal of Molecular Sciences, 2019, 20, 6291.	4.1	9
83	Differential response of diurnal and nocturnal mammals to prolonged altered light-dark cycle: a possible role of mood associated endocrine, inflammatory and antioxidant system. Chronobiology International, 2021, 38, 1618-1630.	2.0	9
84	Wheel-running activity rhythms and masking responses in the diurnal palm squirrel, Funambulus pennantii. Chronobiology International, 2020, 37, 1693-1708.	2.0	8
85	Sex differences in the response to circadian disruption in diurnal sand rats. Chronobiology International, 2022, 39, 169-185.	2.0	6
86	Changes in sleep patterns of college students in Israel during COVID-19 lockdown, a sleep diaries study. Sleep and Biological Rhythms, 2022, 20, 309-314.	1.0	6
87	Genetic Diversity of the Eurasian Otter (Lutra lutra) Population in Israel. Journal of Heredity, 2013, 104, 192-201.	2.4	5
88	Optimal foraging and physiological responses to the risk of predation: how fecal cortisol concentrations from trapped Allenbyâ€™s gerbil (Gerbillus andersoni allenbyi) relate to foraging under the risk of predation. Israel Journal of Ecology and Evolution, 2019, 65, 28-36.	0.6	5
89	Effects of photoperiod and diet on BDNF daily rhythms in diurnal sand rats. Behavioural Brain Research, 2022, 418, 113666.	2.2	5
90	Beneficial effects of voluntary wheel running on activity rhythms, metabolic state, and affect in a diurnal model of circadian disruption. Scientific Reports, 2022, 12, 2434.	3.3	5

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91	Conserved ecophysiology despite disparate microclimatic conditions in a gecko. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2022, 337, 316-328.	1.9	4
92	Selective Leptin Insensitivity and Alterations in Female-Reproductive Patterns Linked to Hyperleptinemia during Infancy. PLoS ONE, 2013, 8, e59937.	2.5	3
93	Conservation physiology. Temperature, 2014, 1, 94-95.	3.0	3
94	The transition from day-to-night activity is a risk factor for the development of CNS oxygen toxicity in the diurnal fat sand rat (Psammomys obesus). Chronobiology International, 2017, 34, 578-586.	2.0	3
95	Fitness effects of interspecific competition between two species of desert rodents. Zoology, 2018, 128, 62-68.	1.2	3
96	Effect of intrauterine injection of casein on fetal survival in rat: a new pharmacological approach for contraception. Contraception, 2006, 73, 641-644.	1.5	1
97	Human Decidua-associated Protein 200 Neutralizes the Detrimental Effect of Serum Containing Antiphospholipid Antibodies on Fetal Survival in the Rat. American Journal of Reproductive Immunology, 2006, 55, 246-250.	1.2	1
98	On otter spraints, the advancement of science, and analogies: A reply to Calzada et al.. Ecological Indicators, 2010, 10, 562-563.	6.3	1
99	S.17.02 Translating molecular circadian findings into animal behaviour. European Neuropsychopharmacology, 2010, 20, S188.	0.7	0
100	P.071 Circadian disturbances result in somatic and mental pathologies in a diurnal model animal, interactions with melatonin and sex. European Neuropsychopharmacology, 2020, 40, S47.	0.7	0
101	Skin Mediates the Aphrodisiac Effect of UVB Light Via a Skin-Brain-Gonad Axis. SSRN Electronic Journal, 0, , .	0.4	0
102	Day and night: A comment on â€œNeurobiological and behavioral mechanisms of circadian rhythm disruption in bipolar disorder: A critical multiâ€disciplinary literature review and agenda for future research from the ISBD task force on chronobiologyâ€. Bipolar Disorders, 2022, 24, 211-212.	1.9	0
103	P.0518 Effects of COVID-19 lockdowns on well-being in subgroups of the population. European Neuropsychopharmacology, 2021, 53, S382-S383.	0.7	0