Ralph E Mistlberger

List of Publications by Year
in descending order

109 papers	6,807 citations	76031 42 h-index	73587 79 g-index
177 all docs	177 docs citations	177 times ranked	4920 citing authors

#	Article	IF	Citations
1	Mice hypomorphic for Pitx3 show robust entrainment of circadian behavioral and metabolic rhythms to scheduled feeding. Cell Reports, 2022, 38, 109865.	2.9	5
2	Thermoregulatory significance of immobility in the forced swim test. Physiology and Behavior, 2022, 247, 113709.	1.0	3
3	Circadian Rhythms. , 2022, , 1409-1418.		0
4	Anticipation of Scheduled Feeding in BTBR Mice Reveals Independence and Interactions Between the Light- and Food-Entrainable Circadian Clocks. Frontiers in Integrative Neuroscience, 2022, 16, .	1.0	2
5	Multiple entrained oscillator model of food anticipatory circadian rhythms. Scientific Reports, 2022, 12, .	1.6	10
6	Adjunctive and alternative treatments of circadian rhythm sleep disorders. , 2022, , .		0
7	Impact of COVID-19 social-distancing on sleep timing and duration during a university semester. PLoS ONE, 2021, 16, e0250793.	1.1	22
8	Circadian misalignment impairs ability to suppress visual distractions. Psychophysiology, 2020, 57, e13485.	1.2	5
9	Light in the Senior Home: Effects of Dynamic and Individual Light Exposure on Sleep, Cognition, and Well-Being. Clocks & Sleep, 2020, 2, 557-576.	0.9	14
10	Food anticipatory circadian rhythms in mice entrained to long or short day photoperiods. Physiology and Behavior, 2020, 222, 112939.	1.0	6
11	Food as circadian time cue for appetitive behavior. F1000Research, 2020, 9, 61.	0.8	42
12	Delayed daily activity and reduced NREM slow-wave power in the APPswe/PS1dE9 mouse model of Alzheimer's disease. Neurobiology of Aging, 2019, 78, 74-86.	1.5	24
13	Sleep timing and duration in indigenous villages with and without electric lighting on Tanna Island, Vanuatu. Scientific Reports, 2019, 9, 17278.	1.6	29
14	Midday meals do not impair mouse memory. Scientific Reports, 2018, 8, 17013.	1.6	6
15	Feeding Time Entrains the Olfactory Bulb Circadian Clock in Anosmic PER2::LUC Mice. Neuroscience, 2018, 393, 175-184.	1.1	13
16	Circadian Rhythms. , 2018, , 1-10.		0
17	Driving home from the night shift: a bright light intervention study. Sleep Medicine, 2017, 30, 171-179.	0.8	17
18	Organisational characteristics associated with shift work practices and potential opportunities for intervention: findings from a Canadian study. Occupational and Environmental Medicine, 2017, 74, 6-13.	1.3	8

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19	Sleep and hippocampal neurogenesis: Implications for Alzheimerâ€™s disease. Frontiers in Neuroendocrinology, 2017, 45, 35-52.	2.5	38
20	Interval Timing Is Preserved Despite Circadian Desynchrony in Rats: Constant Light and Heavy Water Studies. Journal of Biological Rhythms, 2017, 32, 295-308.	1.4	9
21	Circadian time-place (or time-route) learning in rats with hippocampal lesions. Neurobiology of Learning and Memory, 2016, 136, 236-243.	1.0	2
22	Neural activity in the suprachiasmatic circadian clock of nocturnal mice anticipating a daytime meal. Neuroscience, 2016, 315, 91-103.	1.1	17
23	Ultrasonic vocalizations in rats anticipating circadian feeding schedules. Behavioural Brain Research, 2015, 284, 42-50.	1.2	16
24	A sex difference in circadian food-anticipatory rhythms in mice: Interaction with dopamine D1 receptor knockout.. Behavioral Neuroscience, 2015, 129, 351-360.	0.6	21
25	Activity is a slave to many masters. ELife, 2015, 4, e06351.	2.8	10
26	Circadian Mechanisms of Food Anticipatory Rhythms in Rats Fed Once or Twice Daily: Clock Gene and Endocrine Correlates. PLoS ONE, 2014, 9, e112451.	1.1	30
27	Circadian food anticipatory activity: Entrainment limits and scalar properties re-examined.. Behavioral Neuroscience, 2014, 128, 689-702.	0.6	11
28	Regulation of circadian rhythms in mammals by behavioral arousal.. Behavioral Neuroscience, 2014, 128, 304-325.	0.6	49
29	Food anticipation in Bmal1-/- and AAV-Bmal1 rescued mice: a reply to Fuller et al. Journal of Circadian Rhythms, 2014, 7, 11.	2.9	19
30	Standards of evidence in chronobiology: critical review of a report that restoration of Bmal1 expression in the dorsomedial hypothalamus is sufficient to restore circadian food anticipatory rhythms in Bmal1-/- mice. Journal of Circadian Rhythms, 2014, 7, 3.	2.9	42
31	The inhibitory effect of sleep deprivation on cell proliferation in the hippocampus of adult mice is eliminated by corticosterone clamp combined with interleukin-1 receptor 1 knockout. Brain, Behavior, and Immunity, 2014, 35, 182-188.	2.0	20
32	Behavioral and Neural Correlates of Acute and Scheduled Hunger in C57BL/6 Mice. PLoS ONE, 2014, 9, e95990.	1.1	28
33	Dopamine receptor 1 neurons in the dorsal striatum regulate food anticipatory circadian activity rhythms in mice. ELife, 2014, 3, e03781.	2.8	83
34	Photic and Pineal Modulation of Food Anticipatory Circadian Activity Rhythms in Rodents. PLoS ONE, 2013, 8, e81588.	1.1	15
35	Circadian adaptations to meal timing: neuroendocrine mechanisms. Frontiers in Neuroscience, 2013, 7, 185.	1.4	130
36	Dopaminergic Regulation of Circadian Food Anticipatory Activity Rhythms in the Rat. PLoS ONE, 2013, 8, e82381.	1.1	33

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37	Scheduled Daily Mating Induces Circadian Anticipatory Activity Rhythms in the Male Rat. PLoS ONE, 2012, 7, e40895.	1.1	15
38	Circadian Clocks for All Meal-Times: Anticipation of 2 Daily Meals in Rats. PLoS ONE, 2012, 7, e31772.	1.1	17
39	Food Anticipatory Activity Behavior of Mice across a Wide Range of Circadian and Non-Circadian Intervals. PLoS ONE, 2012, 7, e37992.	1.1	36
40	Neurobiology of food anticipatory circadian rhythms. Physiology and Behavior, 2011, 104, 535-545.	1.0	276
41	Inhibition of hippocampal neurogenesis by sleep deprivation is independent of circadian disruption and melatonin suppression. Neuroscience, 2011, 193, 170-181.	1.1	40
42	Evidence for Time-of-Day Dependent Effect of Neurotoxic Dorsomedial Hypothalamic Lesions on Food Anticipatory Circadian Rhythms in Rats. PLoS ONE, 2011, 6, e24187.	1.1	41
43	Circadian Rhythms in Mammals. , 2011, , 363-375.		9
44	Entrainment of circadian clocks in mammals by arousal and food. Essays in Biochemistry, 2011, 49, 119-136.	2.1	88
45	Enhanced Food Anticipatory Activity Associated with Enhanced Activation of Extrahypothalamic Neural Pathways in Serotonin2C Receptor Null Mutant Mice. PLoS ONE, 2010, 5, e11802.	1.1	21
46	Palatable Meal Anticipation in Mice. PLoS ONE, 2010, 5, e12903.	1.1	50
47	The dorsomedial hypothalamic nucleus is not necessary for foodâ€anticipatory circadian rhythms of behavior, temperature or clock gene expression in mice. European Journal of Neuroscience, 2009, 29, 1447-1460.	1.2	113
48	Foodâ€anticipatory circadian rhythms: concepts and methods. European Journal of Neuroscience, 2009, 30, 1718-1729.	1.2	182
49	New neurons in the adult brain: The role of sleep and consequences of sleep loss. Sleep Medicine Reviews, 2009, 13, 187-194.	3.8	265
50	Phenotyping Food Entrainment: Motion Sensors and Telemetry Are Equivalent. Journal of Biological Rhythms, 2009, 24, 95-98.	1.4	19
51	Neural correlates of arousalâ€induced circadian clock resetting: hypocretin/orexin and the intergeniculate leaflet. European Journal of Neuroscience, 2008, 27, 828-835.	1.2	35
52	A Prospective Study of Seasonal Variation in Shiftâ€Work Tolerance. Chronobiology International, 2008, 25, 455-470.	0.9	32
53	Sleep deprivation can inhibit adult hippocampal neurogenesis independent of adrenal stress hormones. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1693-R1703.	0.9	103
54	Comment on "Differential Rescue of Light- and Food-Entrainable Circadian Rhythms". Science, 2008, 322, 675-675.	6.0	53

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55	The Dorsomedial Hypothalamic Nucleus Is Not Necessary for the Expression of Circadian Food-Anticipatory Activity in Rats. Journal of Biological Rhythms, 2007, 22, 467-478.	1.4	114
56	Food Entrainment: Methodological Issues. Journal of Biological Rhythms, 2007, 22, 484-487.	1.4	22
57	The enigma of behavioral inputs to the circadian clock: A test of function using restraint. Physiology and Behavior, 2006, 87, 948-954.	1.0	8
58	Circadian Rhythms: Perturbing a Food-Entrained Clock. Current Biology, 2006, 16, R968-R969.	1.8	38
59	Effects of Food Deprivation on Locomotor Activity, Plasma Glucose, and Circadian Clock Resetting in Syrian Hamsters. Journal of Biological Rhythms, 2006, 21, 33-44.	1.4	11
60	Modafinil [2-[(Diphenylmethyl)sulfinyl]acetamide] and Circadian Rhythms in Syrian Hamsters: Assessment of the Chronobiotic Potential of a Novel Alerting Compound. Journal of Pharmacology and Experimental Therapeutics, 2006, 317, 882-889.	1.3	18
61	Differential effects of constant light on circadian clock resetting by photic and nonphotic stimuli in Syrian hamsters. Brain Research, 2005, 1059, 52-58.	1.1	6
62	Circadian regulation of sleep in mammals: Role of the suprachiasmatic nucleus. Brain Research Reviews, 2005, 49, 429-454.	9.1	272
63	Nonphotic Entrainment in Humans?. Journal of Biological Rhythms, 2005, 20, 339-352.	1.4	210
64	Circadian Rhythms in Mammals: Formal Properties and Environmental Influences. , 2005, , 321-334.		23
65	Short-term exposure to constant light promotes strong circadian phase-resetting responses to nonphotic stimuli in Syrian hamsters. European Journal of Neuroscience, 2004, 19, 2779-2790.	1.2	39
66	Social influences on mammalian circadian rhythms: animal and human studies. Biological Reviews, 2004, 79, 533-556.	4.7	317
67	Adult hippocampal neurogenesis and voluntary running activity: Circadian and dose-dependent effects. Journal of Neuroscience Research, 2004, 76, 216-222.	1.3	206
68	Rapid Eye Movement Sleep induction by microinjection of the GABA-A antagonist bicuculline into the dorsal subcoeruleus area of the rat. Brain Research, 2003, 962, 68-77.	1.1	66
69	Food- and light-entrained circadian rhythms in rats with hypocretin-2-saporin ablations of the lateral hypothalamus. Brain Research, 2003, 980, 161-168.	1.1	44
70	Response of the Mouse Circadian System to Serotonin 1A/2/7 Agonists in vivo: Surprisingly Little. Journal of Biological Rhythms, 2003, 18, 145-158.	1.4	72
71	Circadian Clock Resetting by Sleep Deprivation without Exercise in Syrian Hamsters: Dark Pulses Revisited. Journal of Biological Rhythms, 2002, 17, 227-237.	1.4	43
72	Activity-induced circadian clock resetting in the Syrian hamster: effects of melatonin. Neuroscience Letters, 2002, 317, 5-8.	1.0	2

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73	Circadian rhythms of activity and drinking in mice lacking angiotensin II 1A receptors. Physiology and Behavior, 2001, 74, 457-464.	1.0	8
74	Food-entrained circadian rhythms in rats are insensitive to deuterium oxide. Brain Research, 2001, 919, 283-291.	1.1	17
75	Sleep deprivation stimulates serotonin release in the suprachiasmatic nucleus. NeuroReport, 2000, 11, 1929-1932.	0.6	84
76	5-HT1A autoreceptor antagonist-induced 5-HT release in the hamster suprachiasmatic nuclei: effects on circadian clock resetting. Neuroscience Letters, 2000, 282, 97-100.	1.0	15
77	Circadian blood pressure and heart rate rhythms in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 1999, 276, R500-R504.	0.9	62
78	Circadian and Homeostatic Influences on Sleep in the Squirrel Monkey: Sleep after Sleep Deprivation. Sleep, 1999, 22, 45-59.	0.6	28
79	Morphine-induced activity attenuates phase shifts to light in C57BL/6J mice. Brain Research, 1999, 829, 113-119.	1.1	22
80	Neonatal monosodium glutamate alters circadian organization of feeding, food anticipatory activity and photic masking in the rat. Brain Research, 1999, 842, 73-83.	1.1	47
81	Enhanced Food-Anticipatory Circadian Rhythms in the Genetically Obese Zucker Rat. Physiology and Behavior, 1999, 66, 329-335.	1.0	68
82	Behavioral inhibition of light-induced circadian phase resetting is phase and serotonin dependent. Brain Research, 1998, 786, 31-38.	1.1	80
83	Serotonin antagonists do not attenuate activity-induced phase shifts of circadian rhythms in the Syrian hamster. Brain Research, 1998, 813, 139-149.	1.1	50
84	Serotonin and feedback effects of behavioral activity on circadian rhythms in mice. Behavioural Brain Research, 1998, 96, 93-99.	1.2	45
85	Phase Shifts to Refeeding in the Syrian Hamster Mediated by Running Activity. Physiology and Behavior, 1997, 61, 273-278.	1.0	19
86	Scheduled activity reorganizes circadian phase of Syrian hamsters under full and skeleton photoperiods. Behavioural Brain Research, 1997, 87, 127-137.	1.2	29
87	Sleep deprivation can attenuate light-induced phase shifts of circadian rhythms in hamsters. Neuroscience Letters, 1997, 238, 5-8.	1.0	66
88	Both Neuropeptide Y and Serotonin Are Necessary for Entrainment of Circadian Rhythms in Mice by Daily Treadmill Running Schedules. Journal of Neuroscience, 1997, 17, 7974-7987.	1.7	147
89	Anticipation and entrainment to feeding time in intact and SCN-ablated C57BL/6j mice. Brain Research, 1997, 765, 273-282.	1.1	111
90	Entrainment and phase shifting of circadian rhythms in mice by forced treadmill running. Physiology and Behavior, 1996, 60, 657-663.	1.0	119

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91	Discrimination of circadian phase in intact and suprachiasmatic nuclei-ablated rats. Brain Research, 1996, 739, 12-18.	1.1	102
92	Nonphotic Phase-Shifting and the Motivation to Run: Cold Exposure Reexamined. Journal of Biological Rhythms, 1996, 11, 208-215.	1.4	35
93	Computational and entrainment models of circadian food-anticipatory activity: Evidence from non-24-hr feeding schedules.. Behavioral Neuroscience, 1995, 109, 790-798.	0.6	48
94	Morphine phase-shifts circadian rhythms in mice. NeuroReport, 1995, 7, 209-212.	0.6	50
95	Circadian food-anticipatory activity: Formal models and physiological mechanisms. Neuroscience and Biobehavioral Reviews, 1994, 18, 171-195.	2.9	809
96	Effects of scheduled food and water access on circadian rhythms of hamsters in constant light, dark, and light:dark. Physiology and Behavior, 1993, 53, 509-516.	1.0	59
97	Anticipatory Activity Rhythms under Daily Schedules of Water Access in the Rat. Journal of Biological Rhythms, 1992, 7, 149-160.	1.4	41
98	Nonphotic entrainment of circadian activity rhythms in suprachiasmatic nuclei-ablated hamsters.. Behavioral Neuroscience, 1992, 106, 192-202.	0.6	45
99	The limbic system and food-anticipatory circadian rhythms in the rat: ablation and dopamine blocking studies. Behavioural Brain Research, 1992, 47, 159-168.	1.2	98
100	Ethanol and circadian rhythms in the syrian hamster: Effects on entrained phase, reentrainment rate, and period. Pharmacology Biochemistry and Behavior, 1992, 43, 159-165.	1.3	33
101	Scheduled daily exercise or feeding alters the phase of photic entrainment in Syrian hamsters. Physiology and Behavior, 1991, 50, 1257-1260.	1.0	66
102	Characteristics of Food-Entrained Orcadian Rhythms in Rats During Long-Term Exposure to Constant Light. Chronobiology International, 1990, 7, 383-391.	0.9	15
103	Effects of aging on food-entrained circadian rhythms in the rat. Neurobiology of Aging, 1990, 11, 619-624.	1.5	22
104	Circadian pitfalls in experimental designs employing food restriction. Cognitive, Affective and Behavioral Neuroscience, 1990, 18, 23-29.	1.2	19
105	Food-Anticipatory Circadian Rhythms in Rats with Paraventricular and Lateral Hypothalamic Ablations. Journal of Biological Rhythms, 1988, 3, 277-291.	1.4	86
106	Palatable daily meals entrain anticipatory activity rhythms in free-feeding rats: Dependence on meal size and nutrient content. Physiology and Behavior, 1987, 41, 219-226.	1.0	131
107	Periodic water availability is not a potent zeitgeber for entrainment of circadian locomotor rhythms in rats. Physiology and Behavior, 1985, 34, 17-22.	1.0	31
108	Suprachiasmatic nuclei lesions eliminate circadian temperature and sleep rhythms in the rat. Physiology and Behavior, 1984, 32, 357-368.	1.0	191

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109	Recovery Sleep Following Sleep Deprivation in Intact and Suprachiasmatic Nuclei-Lesioned Rats. Sleep, 1983, 6, 217-233.	0.6	217