Michael C Antle

List of Publications by Year
in descending order

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73 papers	3,108 citations	172457 29 h-index	161849 54 g-index
78 all docs	78 docs citations	78 times ranked	3340 citing authors

#	Article	IF	Citations
1	Orchestrating time: arrangements of the brain circadian clock. Trends in Neurosciences, 2005, 28, 145-151.	8.6	405
2	Mindfulness-Based Stress Reduction Compared With Cognitive Behavioral Therapy for the Treatment of Insomnia Comorbid With Cancer: A Randomized, Partially Blinded, Noninferiority Trial. Journal of Clinical Oncology, 2014, 32, 449-457.	1.6	247
3	Characterization of the 3xTg-AD mouse model of Alzheimer's disease: Part 2. Behavioral and cognitive changes. Brain Research, 2010, 1348, 149-155.	2.2	182
4	Characterization of the 3xTg-AD mouse model of Alzheimer's disease: Part 1. Circadian changes. Brain Research, 2010, 1348, 139-148.	2.2	161
5	Blocking microglial pannexin-1 channels alleviates morphine withdrawal in rodents. Nature Medicine, 2017, 23, 355-360.	30.7	130
6	Temporal and spatial expression patterns of canonical clock genes and clockâ€controlled genes in the suprachiasmatic nucleus. European Journal of Neuroscience, 2004, 19, 1741-1748.	2.6	120
7	Gates and Oscillators: A Network Model of the Brain Clock. Journal of Biological Rhythms, 2003, 18, 339-350.	2.6	116
8	Postictal behavioural impairments are due to a severe prolonged hypoperfusion/hypoxia event that is COX-2 dependent. ELife, 2016, 5, .	6.0	96
9	Entrainment of circadian clocks in mammals by arousal and food. Essays in Biochemistry, 2011, 49, 119-136.	4.7	88
10	Sleep deprivation stimulates serotonin release in the suprachiasmatic nucleus. NeuroReport, 2000, 11, 1929-1932.	1.2	84
11	Amplitude of the SCN Clock Enhanced by the Behavioral Activity Rhythm. PLoS ONE, 2012, 7, e39693.	2.5	83
12	Behavioral inhibition of light-induced circadian phase resetting is phase and serotonin dependent. Brain Research, 1998, 786, 31-38.	2.2	80
13	Signaling within the Master Clock of the Brain: Localized Activation of Mitogen-Activated Protein Kinase by Gastrin-Releasing Peptide. Journal of Neuroscience, 2005, 25, 2447-2454.	3.6	79
14	Response of the Mouse Circadian System to Serotonin 1A/2/7 Agonists in vivo: Surprisingly Little. Journal of Biological Rhythms, 2003, 18, 145-158.	2.6	72
15	Gates and Oscillators II: Zeitgebers and the Network Model of the Brain Clock. Journal of Biological Rhythms, 2007, 22, 14-25.	2.6	56
16	Physiological responses of the circadian clock to acute light exposure at night. Reviews in Endocrine and Metabolic Disorders, 2009, 10, 279-291.	5.7	55
17	Nonserotonergic projection neurons in the midbrain raphe nuclei contain the vesicular glutamate transporter VGLUT3. Synapse, 2009, 63, 31-41.	1.2	52
18	Serotonin antagonists do not attenuate activity-induced phase shifts of circadian rhythms in the Syrian hamster. Brain Research, 1998, 813, 139-149.	2.2	50

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19	Regulation of circadian rhythms in mammals by behavioral arousal.. Behavioral Neuroscience, 2014, 128, 304-325.	1.2	49
20	Neural basis of timing and anticipatory behaviors. European Journal of Neuroscience, 2009, 30, 1643-1649.	2.6	48
21	Neonatal monosodium glutamate alters circadian organization of feeding, food anticipatory activity and photic masking in the rat. Brain Research, 1999, 842, 73-83.	2.2	47
22	Methylphenidate Modifies the Motion of the Circadian Clock. Neuropsychopharmacology, 2012, 37, 2446-2455.	5.4	46
23	Food- and light-entrained circadian rhythms in rats with hypocretin-2-saporin ablations of the lateral hypothalamus. Brain Research, 2003, 980, 161-168.	2.2	44
24	Circadian Clock Resetting by Sleep Deprivation without Exercise in Syrian Hamsters: Dark Pulses Revisited. Journal of Biological Rhythms, 2002, 17, 227-237.	2.6	43
25	The role of Period1 in non-photic resetting of the hamster circadian pacemaker in the suprachiasmatic nucleus. Neuroscience Letters, 2004, 362, 87-90.	2.1	40
26	The cholinergic forebrain arousal system acts directly on the circadian pacemaker. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13498-13503.	7.1	36
27	Altered photic and non-photic phase shifts in 5-HT1A receptor knockout mice. Neuroscience, 2008, 157, 513-523.	2.3	35
28	Survival of Adult Generated Hippocampal Neurons Is Altered in Circadian Arrhythmic Mice. PLoS ONE, 2014, 9, e99527.	2.5	32
29	Neurogenesis and ontogeny of specific cell phenotypes within the hamster suprachiasmatic nucleus. Developmental Brain Research, 2005, 157, 8-18.	1.7	31
30	Modeling the Behavior of Coupled Cellular Circadian Oscillators in the Suprachiasmatic Nucleus. Journal of Biological Rhythms, 2007, 22, 211-219.	2.6	30
31	Phenotype and function of raphe projections to the suprachiasmatic nucleus. European Journal of Neuroscience, 2010, 31, 1974-1983.	2.6	30
32	Circadian Insights into Motivated Behavior. Current Topics in Behavioral Neurosciences, 2015, 27, 137-169.	1.7	30
33	Gestational low-dose BPA exposure impacts suprachiasmatic nucleus neurogenesis and circadian activity with transgenerational effects. Science Advances, 2021, 7, .	10.3	29
34	Neocortical movement representations are reduced and reorganized following bilateral intrastriatal 6-hydroxydopamine infusion and dopamine type-2 receptor antagonism. Experimental Neurology, 2009, 220, 162-170.	4.1	23
35	Enhancement of photic shifts with the 5-HT1A mixed agonist/antagonist NAN-190: Intra-suprachiasmatic nucleus pathway. Neuroscience, 2008, 153, 571-580.	2.3	22
36	I-CAN SLEEP: Rationale and design of a non-inferiority RCT of Mindfulness-based Stress Reduction and Cognitive Behavioral Therapy for the treatment of Insomnia in CANcer survivors. Contemporary Clinical Trials, 2011, 32, 747-754.	1.8	22

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37	High frequency stimulation of the subthalamic nucleus acutely rescues motor deficits and neocortical movement representations following 6-hydroxydopamine administration in rats. Experimental Neurology, 2011, 231, 82-90.	4.1	18
38	Nonâ€photic phase shifting of the circadian clock: role of the extracellular signalâ€responsive kinases I/II/mitogenâ€activated protein kinase pathway. European Journal of Neuroscience, 2008, 28, 2511-2518.	2.6	17
39	Serotonin 1A Receptors Alter Expression of Movement Representations. Journal of Neuroscience, 2013, 33, 4988-4999.	3.6	17
40	Neural activity in the suprachiasmatic circadian clock of nocturnal mice anticipating a daytime meal. Neuroscience, 2016, 315, 91-103.	2.3	17
41	Circadian behavior of adult mice exposed to stress and fluoxetine during development. Psychopharmacology, 2017, 234, 793-804.	3.1	17
42	The effects of perinatal fluoxetine treatment on the circadian system of the adult mouse. Psychopharmacology, 2013, 225, 743-751.	3.1	16
43	5-HT1A autoreceptor antagonist-induced 5-HT release in the hamster suprachiasmatic nuclei: effects on circadian clock resetting. Neuroscience Letters, 2000, 282, 97-100.	2.1	15
44	A Single Generalized Seizure Alters the Amplitude, but Not Phase, of the Circadian Activity Rhythm of the Hamster. Chronobiology International, 2009, 26, 1-13.	2.0	15
45	Serotonergic enhancement of circadian responses to light: role of the raphe and intergeniculate leaflet. European Journal of Neuroscience, 2015, 42, 2805-2817.	2.6	15
46	Serotonergic potentiation of photic phase shifts: examination of receptor contributions and early biochemical/molecular events. Neuroscience, 2010, 165, 16-27.	2.3	13
47	Non-Photic Modulation of Phase Shifts to Long Light Pulses. Journal of Biological Rhythms, 2007, 22, 524-533.	2.6	12
48	Investigating the Role of the Hypothalamus in Outcomes to Repetitive Mild Traumatic Brain Injury: Neonatal Monosodium Glutamate Does Not Exacerbate Deficits. Neuroscience, 2019, 413, 264-278.	2.3	12
49	Effects of lighting condition on circadian behavior in 5-HT1A receptor knockout mice. Physiology and Behavior, 2015, 139, 136-144.	2.1	11
50	Lesion Size and Behavioral Deficits after Endothelin-1â€“Induced Ischemia are not Dependent on Time of Day. Journal of Stroke and Cerebrovascular Diseases, 2013, 22, 397-405.	1.6	9
51	Phase delays to light and gastrin-releasing peptide require the protein kinase A pathway. Neuroscience Letters, 2014, 559, 24-29.	2.1	9
52	Circadian rhythms of activity and drinking in mice lacking angiotensin II 1A receptors. Physiology and Behavior, 2001, 74, 457-464.	2.1	8
53	The enigma of behavioral inputs to the circadian clock: A test of function using restraint. Physiology and Behavior, 2006, 87, 948-954.	2.1	8
54	Bi-Parental Care Contributes to Sexually Dimorphic Neural Cell Genesis in the Adult Mammalian Brain. PLoS ONE, 2013, 8, e62701.	2.5	8

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55	The serotonergic anxiolytic buspirone attenuates circadian responses to light. European Journal of Neuroscience, 2014, 40, 3512-3525.	2.6	8
56	Activation of M1/4 receptors phase advances the hamster circadian clock during the day. Neuroscience Letters, 2016, 621, 22-27.	2.1	8
57	Phase shifts to light are altered by antagonists to neuropeptide receptors. Neuroscience, 2016, 327, 115-124.	2.3	8
58	Behavior of Adult 5-HT1A Receptor Knockout Mice Exposed to Stress During Prenatal Development. Neuroscience, 2018, 371, 16-28.	2.3	8
59	Early life circadian rhythm disruption in mice alters brain and behavior in adulthood. Scientific Reports, 2022, 12, 7366.	3.3	8
60	Investigating the role of substance P in photic responses of the circadian system: Individual and combined actions with gastrin-releasing peptide. Neuropharmacology, 2010, 58, 277-285.	4.1	7
61	Temporal changes of light-induced proteins in the SCN following treatment with the serotonin mixed agonist/antagonist BMY7378. Experimental Brain Research, 2015, 233, 2723-2731.	1.5	4
62	Longitudinal Location Influences Preference for Daylight Saving Time. Journal of Biological Rhythms, 2022, 37, 343-348.	2.6	4
63	Circadian Responses to Light in the BTBR Mouse. Journal of Biological Rhythms, 2022, 37, 498-515.	2.6	4
64	Neonatal Medial Frontal Cortex Lesions Disrupt Circadian Activity Patterns. Developmental Neuroscience, 2009, 31, 412-419.	2.0	3
65	Activity-induced circadian clock resetting in the Syrian hamster: effects of melatonin. Neuroscience Letters, 2002, 317, 5-8.	2.1	2
66	Triptans attenuate circadian responses to light. European Journal of Neuroscience, 2015, 42, 2489-2495.	2.6	2
67	Sleep: Neural Systems. , 2015, , 87-93.		2
68	Examination of Zinc in the Circadian System. Neuroscience, 2020, 432, 15-29.	2.3	2
69	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, .	2.1	2
70	Chronic <scp>BMY</scp>7378 treatment alters behavioral circadian rhythms. European Journal of Neuroscience, 2017, 46, 2782-2790.	2.6	1
71	Modeling the Influence of Synaptic Plasticity on After-effects. Journal of Biological Rhythms, 2019, 34, 645-657.	2.6	1
72	The Circadian Clock: Physiology, Genes, and Disease. , 2008, , 481-499.		1

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73	Orcadian Rhythms. , 2004, , 183-194.		0