

Peter Meerlo

List of Publications by Year in descending order

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Version: 2024-02-01

58
papers

3,121
citations

185998

28
h-index

168136

53
g-index

61
all docs

61
docs citations

61
times ranked

3618
citing authors

#	ARTICLE	IF	CITATIONS
1	Sleep deprivation reduces the density of individual spine subtypes in a branch-specific fashion in CA1 neurons. <i>Journal of Sleep Research</i> , 2022, 31, e13438.	1.7	12
2	Chronic Social Defeat Stress Shifts Peripheral Circadian Clocks in Male Mice in a Tissue-Specific and Time-of-Day Dependent Fashion. <i>Journal of Biological Rhythms</i> , 2022, 37, 164-176.	1.4	5
3	Elucidating the role of protein synthesis in hippocampus-dependent memory consolidation across the day and night. <i>European Journal of Neuroscience</i> , 2021, 54, 6972-6981.	1.2	14
4	Seasonal variation in sleep homeostasis in migratory geese: a rebound of NREM sleep following sleep deprivation in summer but not in winter. <i>Sleep</i> , 2021, 44, .	0.6	10
5	Cloud cover amplifies the sleep-suppressing effect of artificial light at night in geese. <i>Environmental Pollution</i> , 2021, 273, 116444.	3.7	18
6	The continued need for animals to advance brain research. <i>Neuron</i> , 2021, 109, 2374-2379.	3.8	36
7	The role of clock genes in sleep, stress and memory. <i>Biochemical Pharmacology</i> , 2021, 191, 114493.	2.0	28
8	The impact of stress and stress hormones on endogenous clocks and circadian rhythms. <i>Frontiers in Neuroendocrinology</i> , 2021, 63, 100931.	2.5	15
9	Belang van slaap voor cognitief en psychologisch functioneren. , 2021, , 11-27.		1
10	A comparison of continuous and intermittent EEG recordings in geese: How much data are needed to reliably estimate sleep-wake patterns?. <i>Journal of Sleep Research</i> , 2021, , e13525.	1.7	2
11	Sleep deprivation-induced impairment of memory consolidation is not mediated by glucocorticoid stress hormones. <i>Journal of Sleep Research</i> , 2020, 29, e12972.	1.7	12
12	Cognitive function and brain plasticity in a rat model of shift work: role of daily rhythms, sleep and glucocorticoids. <i>Scientific Reports</i> , 2020, 10, 13141.	1.6	8
13	A brief period of sleep deprivation negatively impacts the acquisition, consolidation, and retrieval of object-location memories. <i>Neurobiology of Learning and Memory</i> , 2020, 175, 107326.	1.0	17
14	Sleep Time in the European Starling Is Strongly Affected by Night Length and Moon Phase. <i>Current Biology</i> , 2020, 30, 1664-1671.e2.	1.8	21
15	Phosphodiesterase inhibitors roflumilast and vardenafil prevent sleep deprivation-induced deficits in spatial pattern separation. <i>Synapse</i> , 2020, 74, e22150.	0.6	9
16	The European starling (<i>Sturnus vulgaris</i>) shows signs of NREM sleep homeostasis but has very little REM sleep and no REM sleep homeostasis. <i>Sleep</i> , 2020, 43, .	0.6	13
17	Alzheimer's disease pathogenesis: The role of disturbed sleep in attenuated brain plasticity and neurodegenerative processes. <i>Cellular Signalling</i> , 2019, 64, 109420.	1.7	20
18	The preference and costs of sleeping under light at night in forest and urban great tits. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20190872.	1.2	35

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19	A brief period of sleep deprivation causes spine loss in the dentate gyrus of mice. <i>Neurobiology of Learning and Memory</i> , 2019, 160, 83-90.	1.0	60
20	Mathematical modeling of sleep state dynamics in a rodent model of shift work. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2018, 5, 37-51.	1.4	4
21	The role of sleep in regulating structural plasticity and synaptic strength: Implications for memory and cognitive function. <i>Sleep Medicine Reviews</i> , 2018, 39, 3-11.	3.8	210
22	Human and rat gut microbiome composition is maintained following sleep restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E1564-E1571.	3.3	106
23	A Rodent Model of Night-Shift Work Induces Short-Term and Enduring Sleep and Electroencephalographic Disturbances. <i>Journal of Biological Rhythms</i> , 2017, 32, 48-63.	1.4	15
24	Restless roosts: Light pollution affects behavior, sleep, and physiology in a free-living songbird. <i>Global Change Biology</i> , 2017, 23, 4987-4994.	4.2	121
25	Sleep research goes wild: new methods and approaches to investigate the ecology, evolution and functions of sleep. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160251.	1.8	127
26	What type of rigorous experiments are needed to investigate the impact of artificial light at night on individuals and populations?. <i>Global Change Biology</i> , 2017, 23, e9-e10.	4.2	7
27	Sleep restriction induced energy, methylation and lipogenesis metabolic switches in rat liver. <i>International Journal of Biochemistry and Cell Biology</i> , 2017, 93, 129-135.	1.2	25
28	Maternal inflammation induces immune activation of fetal microglia and leads to disrupted microglia immune responses, behavior, and learning performance in adulthood. <i>Neurobiology of Disease</i> , 2017, 106, 291-300.	2.1	84
29	Sleep restriction in rats leads to changes in operant behaviour indicative of reduced prefrontal cortex function. <i>Journal of Sleep Research</i> , 2017, 26, 5-13.	1.7	11
30	No Escaping the Rat Race: Simulated Night Shift Work Alters the Time-of-Day Variation in BMAL1 Translational Activity in the Prefrontal Cortex. <i>Frontiers in Neural Circuits</i> , 2017, 11, 70.	1.4	17
31	Sleep deprivation causes memory deficits by negatively impacting neuronal connectivity in hippocampal area CA1. <i>eLife</i> , 2016, 5, .	2.8	191
32	Shift in Food Intake and Changes in Metabolic Regulation and Gene Expression during Simulated Night-Shift Work: A Rat Model. <i>Nutrients</i> , 2016, 8, 712.	1.7	16
33	Novel Approach to Repeated Arterial Blood Sampling in Small Animal PET: Application in a Test-Retest Study with the Adenosine A1 Receptor Ligand [¹¹ C]MPDX. <i>Molecular Imaging and Biology</i> , 2016, 18, 715-723.	1.3	7
34	P-glycoprotein Function in the Rodent Brain Displays a Daily Rhythm, a Quantitative In Vivo PET Study. <i>AAPS Journal</i> , 2016, 18, 1524-1531.	2.2	21
35	Compartmentalized PDE4A5 Signaling Impairs Hippocampal Synaptic Plasticity and Long-Term Memory. <i>Journal of Neuroscience</i> , 2016, 36, 8936-8946.	1.7	52
36	Chronically Restricted or Disrupted Sleep as a Causal Factor in the Development of Depression. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 25, 459-481.	0.8	79

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37	Animal Studies on the Role of Sleep in Memory: From Behavioral Performance to Molecular Mechanisms. <i>Current Topics in Behavioral Neurosciences</i> , 2015, 25, 183-206.	0.8	56
38	Deep sleep after social stress: NREM sleep slow-wave activity is enhanced in both winners and losers of a conflict. <i>Brain, Behavior, and Immunity</i> , 2015, 47, 149-154.	2.0	39
39	Transiently Increasing cAMP Levels Selectively in Hippocampal Excitatory Neurons during Sleep Deprivation Prevents Memory Deficits Caused by Sleep Loss. <i>Journal of Neuroscience</i> , 2014, 34, 15715-15721.	1.7	62
40	Sleep and Adult Neurogenesis: Implications for Cognition and Mood. <i>Current Topics in Behavioral Neurosciences</i> , 2013, 25, 151-181.	0.8	52
41	Daily Acclimation Handling Does Not Affect Hippocampal Long-Term Potentiation or Cause Chronic Sleep Deprivation in Mice. <i>Sleep</i> , 2013, 36, 601-607.	0.6	30
42	Remote long-term registrations of sleep-wake rhythms, core body temperature and activity in marmoset monkeys. <i>Behavioural Brain Research</i> , 2012, 235, 113-123.	1.2	33
43	Sleep deprivation impairs contextual fear conditioning and attenuates subsequent behavioural, endocrine and neuronal responses. <i>Journal of Sleep Research</i> , 2011, 20, 259-266.	1.7	50
44	Sleep deprivation impairs spatial working memory and reduces hippocampal AMPA receptor phosphorylation. <i>Journal of Sleep Research</i> , 2010, 19, 280-288.	1.7	143
45	A Time for Learning and a Time for Sleep: The Effect of Sleep Deprivation on Contextual Fear Conditioning at Different Times of the Day. <i>Sleep</i> , 2010, 33, 1315-1322.	0.6	87
46	Long-term effects of prenatal stress: Changes in adult cardiovascular regulation and sensitivity to stress. <i>Neuroscience and Biobehavioral Reviews</i> , 2009, 33, 191-203.	2.9	85
47	New neurons in the adult brain: The role of sleep and consequences of sleep loss. <i>Sleep Medicine Reviews</i> , 2009, 13, 187-194.	3.8	265
48	Hippocampal cell proliferation across the day: Increase by running wheel activity, but no effect of sleep and wakefulness. <i>Behavioural Brain Research</i> , 2006, 167, 36-41.	1.2	91
49	Effects of sleep deprivation on cardiac autonomic and pituitary-adrenocortical stress reactivity in rats. <i>Psychoneuroendocrinology</i> , 2006, 31, 197-208.	1.3	93
50	Individual differences in cardiovascular response to social challenge. <i>Neuroscience and Biobehavioral Reviews</i> , 2005, 29, 59-66.	2.9	59
51	The Suprachiasmatic Nucleus Regulates Sleep Timing and Amount in Mice. <i>Sleep</i> , 2004, 27, 1307-1318.	0.6	108
52	Intermittent Exposure to Social Defeat and Open-field Test in Rats: Acute and Long-term Effects on ECG, Body Temperature and Physical Activity. <i>Stress</i> , 2002, 5, 23-35.	0.8	58
53	A social conflict increases EEG slow-wave activity during subsequent sleep. <i>Physiology and Behavior</i> , 2001, 73, 331-335.	1.0	101
54	Increased maternal corticosterone levels in rats: Effects on brain 5-HT1A receptors and behavioral coping with stress in adult offspring. <i>Behavioral Neuroscience</i> , 2001, 115, 1111-1117.	0.6	28

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55	Effects of social stimuli on sleep in mice: non-rapid-eye-movement (NREM) sleep is promoted by aggressive interaction but not by sexual interaction. <i>Brain Research</i> , 2001, 907, 84-92.	1.1	87
56	Forced Desynchrony of Circadian Rhythms of Body Temperature and Activity in Rats. <i>Chronobiology International</i> , 1999, 16, 431-440.	0.9	22
57	Long-lasting consequences of a social conflict in rats: Behavior during the interaction predicts subsequent changes in daily rhythms of heart rate, temperature, and activity.. <i>Behavioral Neuroscience</i> , 1999, 113, 1283-1290.	0.6	113
58	Aggressive and Sexual Social Stimuli Do not Phase Shift the Circadian Temperature Rhythm in Rats. <i>Chronobiology International</i> , 1998, 15, 231-240.	0.9	22