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List of Publications by Year in descending order

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68
papers

15,037
citations

38720

50
h-index

91828

69
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72
all docs

72
docs citations

72
times ranked

10673
citing authors

#	ARTICLE	IF	CITATIONS
1	mCRY1 and mCRY2 Are Essential Components of the Negative Limb of the Circadian Clock Feedback Loop. <i>Cell</i> , 1999, 98, 193-205.	13.5	1,445
2	Interacting Molecular Loops in the Mammalian Circadian Clock. <i>Science</i> , 2000, 288, 1013-1019.	6.0	1,223
3	A clockwork web: circadian timing in brain and periphery, in health and disease. <i>Nature Reviews Neuroscience</i> , 2003, 4, 649-661.	4.9	1,039
4	Differential Functions of mPer1, mPer2, and mPer3 in the SCN Circadian Clock. <i>Neuron</i> , 2001, 30, 525-536.	3.8	802
5	Peroxiredoxins are conserved markers of circadian rhythms. <i>Nature</i> , 2012, 485, 459-464.	13.7	752
6	Circadian Cycling of the Mouse Liver Transcriptome, as Revealed by cDNA Microarray, Is Driven by the Suprachiasmatic Nucleus. <i>Current Biology</i> , 2002, 12, 540-550.	1.8	711
7	Generation of circadian rhythms in the suprachiasmatic nucleus. <i>Nature Reviews Neuroscience</i> , 2018, 19, 453-469.	4.9	601
8	Circadian Orchestration of the Hepatic Proteome. <i>Current Biology</i> , 2006, 16, 1107-1115.	1.8	506
9	The VPAC2 Receptor Is Essential for Circadian Function in the Mouse Suprachiasmatic Nuclei. <i>Cell</i> , 2002, 109, 497-508.	13.5	488
10	The After-Hours Mutant Reveals a Role for Fbxl3 in Determining Mammalian Circadian Period. <i>Science</i> , 2007, 316, 897-900.	6.0	434
11	Circadian clocks: regulators of endocrine and metabolic rhythms. <i>Journal of Endocrinology</i> , 2007, 195, 187-198.	1.2	418
12	Synchronization and Maintenance of Timekeeping in Suprachiasmatic Circadian Clock Cells by Neuropeptidergic Signaling. <i>Current Biology</i> , 2006, 16, 599-605.	1.8	397
13	A Clock Shock: Mouse CLOCK Is Not Required for Circadian Oscillator Function. <i>Neuron</i> , 2006, 50, 465-477.	3.8	386
14	cAMP-Dependent Signaling as a Core Component of the Mammalian Circadian Pacemaker. <i>Science</i> , 2008, 320, 949-953.	6.0	381
15	Disintegration of the Sleep-Wake Cycle and Circadian Timing in Huntington's Disease. <i>Journal of Neuroscience</i> , 2005, 25, 157-163.	1.7	361
16	Setting Clock Speed in Mammals: The CK1 ϵ tau Mutation in Mice Accelerates Circadian Pacemakers by Selectively Destabilizing PERIOD Proteins. <i>Neuron</i> , 2008, 58, 78-88.	3.8	342
17	Astrocytes Control Circadian Timekeeping in the Suprachiasmatic Nucleus via Glutamatergic Signaling. <i>Neuron</i> , 2017, 93, 1420-1435.e5.	3.8	323
18	Analysis of Clock Proteins in Mouse SCN Demonstrates Phylogenetic Divergence of the Circadian Clockwork and Resetting Mechanisms. <i>Neuron</i> , 2000, 25, 437-447.	3.8	318

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19	A diversity of paracrine signals sustains molecular circadian cycling in suprachiasmatic nucleus circuits. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 14306-14311.	3.3	251
20	Cell-autonomous clock of astrocytes drives circadian behavior in mammals. <i>Science</i> , 2019, 363, 187-192.	6.0	241
21	Insulin/IGF-1 Drives PERIOD Synthesis to Entrain Circadian Rhythms with Feeding Time. <i>Cell</i> , 2019, 177, 896-909.e20.	13.5	227
22	Entrainment of disrupted circadian behavior through inhibition of casein kinase 1 (CK1) enzymes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15240-15245.	3.3	219
23	Pharmacological Imposition of Sleep Slows Cognitive Decline and Reverses Dysregulation of Circadian Gene Expression in a Transgenic Mouse Model of Huntington's Disease. <i>Journal of Neuroscience</i> , 2007, 27, 7869-7878.	1.7	185
24	A Gq-Ca ²⁺ Axis Controls Circuit-Level Encoding of Circadian Time in the Suprachiasmatic Nucleus. <i>Neuron</i> , 2013, 78, 714-728.	3.8	164
25	The circadian cycle of mPER clock gene products in the suprachiasmatic nucleus of the Siberian hamster encodes both daily and seasonal time. <i>European Journal of Neuroscience</i> , 2000, 12, 2856-2864.	1.2	136
26	Cellular Circadian Pacemaking and the Role of Cytosolic Rhythms. <i>Current Biology</i> , 2008, 18, R805-R815.	1.8	133
27	Prokineticin receptor 2 (Prokr2) is essential for the regulation of circadian behavior by the suprachiasmatic nuclei. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 648-653.	3.3	128
28	Proteomic Analysis Reveals the Role of Synaptic Vesicle Cycling in Sustaining the Suprachiasmatic Circadian Clock. <i>Current Biology</i> , 2009, 19, 2031-2036.	1.8	123
29	Lesions of the Melatonin- and Androgen-Responsive Tissue of the Dorsomedial Nucleus of the Hypothalamus Block the Gonadal Response of Male Syrian Hamsters to Programmed Infusions of Melatonin. <i>Biology of Reproduction</i> , 1996, 54, 470-477.	1.2	115
30	The Mammalian Circadian Timing System and the Suprachiasmatic Nucleus as Its Pacemaker. <i>Biology</i> , 2019, 8, 13.	1.3	111
31	Entrainment of the Circadian System of Mammals by Nonphotic Cues. <i>Chronobiology International</i> , 1998, 15, 425-445.	0.9	110
32	Genetic code expansion in the mouse brain. <i>Nature Chemical Biology</i> , 2016, 12, 776-778.	3.9	107
33	Minireview: The Circadian Clockwork of the Suprachiasmatic Nucleus—Analysis of a Cellular Oscillator that Drives Endocrine Rhythms. <i>Endocrinology</i> , 2007, 148, 5624-5634.	1.4	103
34	Regulation of alternative splicing by the circadian clock and food related cues. <i>Genome Biology</i> , 2012, 13, R54.	13.9	89
35	Disrupted Circadian Rhythms in a Mouse Model of Schizophrenia. <i>Current Biology</i> , 2012, 22, 314-319.	1.8	86
36	Differential adrenergic regulation of the circadian expression of the clock genes <i>Period1</i> and <i>Period2</i> in the rat pineal gland. <i>European Journal of Neuroscience</i> , 2000, 12, 4557-4561.	1.2	84

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37	Melatonin receptors in the rat brain and pituitary. <i>Journal of Pineal Research</i> , 1995, 19, 173-177.	3.4	83
38	Entrainment to Feeding but Not to Light: Circadian Phenotype of VPAC2 Receptor-Null Mice. <i>Journal of Neuroscience</i> , 2007, 27, 4351-4358.	1.7	82
39	IMPAIRED EXPRESSION OF THE <i>Per2</i> CIRCADIAN CLOCK GENE IN THE SUPRACHIASMATIC NUCLEI OF AGING MICE. <i>Chronobiology International</i> , 2001, 18, 559-565.	0.9	78
40	Circadian timing in health and disease. <i>Progress in Brain Research</i> , 2006, 153, 253-269.	0.9	76
41	Circadian clocks in the mammalian brain. <i>BioEssays</i> , 2000, 22, 23-31.	1.2	74
42	Circadian Factor BMAL1 in Histaminergic Neurons Regulates Sleep Architecture. <i>Current Biology</i> , 2014, 24, 2838-2844.	1.8	74
43	The Regulatory Factor ZFH3 Modifies Circadian Function in SCN via an AT Motif-Driven Axis. <i>Cell</i> , 2015, 162, 607-621.	13.5	74
44	A Thalamic Contribution to Arousal-induced, Non-photic Entrainment of the Circadian Clock of the Syrian Hamster. <i>European Journal of Neuroscience</i> , 1997, 9, 1739-1747.	1.2	73
45	Opposing actions of neuropeptide Y and light on the expression of circadian clock genes in the mouse suprachiasmatic nuclei. <i>European Journal of Neuroscience</i> , 2002, 15, 216-220.	1.2	67
46	Temporally chimeric mice reveal flexibility of circadian period-setting in the suprachiasmatic nucleus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 3657-3662.	3.3	64
47	Rhythmic expression of cryptochrome induces the circadian clock of arrhythmic suprachiasmatic nuclei through arginine vasopressin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2732-2737.	3.3	63
48	Distinct and Separable Roles for Endogenous CRY1 and CRY2 within the Circadian Molecular Clockwork of the Suprachiasmatic Nucleus, as Revealed by the <i>Fbxl3^{Afh}</i> Mutation. <i>Journal of Neuroscience</i> , 2013, 33, 7145-7153.	1.7	56
49	Analysis of core circadian feedback loop in suprachiasmatic nucleus of <i>mCry1-luc</i> transgenic reporter mouse. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 9547-9552.	3.3	56
50	Cellular Mechanisms of Circadian Pacemaking: Beyond Transcriptional Loops. <i>Handbook of Experimental Pharmacology</i> , 2013, , 67-103.	0.9	52
51	Cyclic AMP Signaling Control of Action Potential Firing Rate and Molecular Circadian Pacemaking in the Suprachiasmatic Nucleus. <i>Journal of Biological Rhythms</i> , 2011, 26, 210-220.	1.4	51
52	Regional Distribution of Iodomelatonin Binding Sites within the Suprachiasmatic Nucleus of the Syrian Hamster and the Siberian Hamster. <i>Journal of Neuroendocrinology</i> , 1995, 7, 215-223.	1.2	50
53	Visualizing and Quantifying Intracellular Behavior and Abundance of the Core Circadian Clock Protein PERIOD2. <i>Current Biology</i> , 2016, 26, 1880-1886.	1.8	47
54	The VIP-VPAC2 neuropeptidergic axis is a cellular pacemaking hub of the suprachiasmatic nucleus circadian circuit. <i>Nature Communications</i> , 2020, 11, 3394.	5.8	46

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55	Tuning the Period of the Mammalian Circadian Clock: Additive and Independent Effects of CK1 ^μ and Fbxl3 ^{Afh} Mutations on Mouse Circadian Behavior and Molecular Pacemaking. <i>Journal of Neuroscience</i> , 2011, 31, 1539-1544.	1.7	42
56	A Specific Role for the REV-ERB ^α -Controlled L-Type Voltage-Gated Calcium Channel Ca _v 1.2 in Resetting the Circadian Clock in the Late Night. <i>Journal of Biological Rhythms</i> , 2014, 29, 288-298.	1.4	41
57	Re-Assembled Botulinum Neurotoxin Inhibits CNS Functions without Systemic Toxicity. <i>Toxins</i> , 2011, 3, 345-355.	1.5	31
58	Synthetic Self-Assembling Clostridial Chimera for Modulation of Sensory Functions. <i>Bioconjugate Chemistry</i> , 2013, 24, 1750-1759.	1.8	31
59	Translational switching of Cry1 protein expression confers reversible control of circadian behavior in arrhythmic Cry-deficient mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E12388-E12397.	3.3	31
60	Photoperiod Regulates the LH Response to Central Glutamatergic Stimulation in the Male Syrian Hamster. <i>Journal of Neuroendocrinology</i> , 1993, 5, 609-618.	1.2	25
61	Differential roles for cryptochromes in the mammalian retinal clock. <i>FASEB Journal</i> , 2018, 32, 4302-4314.	0.2	20
62	Early doors (<i>Edo</i>) mutant mouse reveals the importance of period 2 (PER2) PAS domain structure for circadian pacemaking. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2756-2761.	3.3	19
63	Gonadal Responses of the Male Tau Mutant Syrian Hamster to Short-Day-Like Programmed Infusions of Melatonin1. <i>Biology of Reproduction</i> , 1995, 53, 361-367.	1.2	17
64	Synchronization and maintenance of circadian timing in the mammalian clockwork. <i>European Journal of Neuroscience</i> , 2020, 51, 229-240.	1.2	16
65	The Cell-Autonomous Clock of VIP Receptor VPAC2 Cells Regulates Period and Coherence of Circadian Behavior. <i>Journal of Neuroscience</i> , 2021, 41, 502-512.	1.7	14
66	Restoring the Molecular Clockwork within the Suprachiasmatic Hypothalamus of an Otherwise Clockless Mouse Enables Circadian Phasing and Stabilization of Sleep-Wake Cycles and Reverses Memory Deficits. <i>Journal of Neuroscience</i> , 2021, 41, 8562-8576.	1.7	13
67	Differential Testicular Gene Expression in Seasonal Fertility. <i>Journal of Biological Rhythms</i> , 2009, 24, 114-125.	1.4	10
68	Zfhx3-mediated genetic ablation of the SCN abolishes light entrainable circadian activity while sparing food anticipatory activity. <i>iScience</i> , 2021, 24, 103142.	1.9	7