

# Joseph S Takahashi

## List of Publications by Year in descending order

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Version: 2024-02-01

307  
papers

64,135  
citations

1163

111  
h-index

871

243  
g-index

328  
all docs

328  
docs citations

328  
times ranked

28935  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circadian rhythms in infectious diseases and symbiosis. <i>Seminars in Cell and Developmental Biology</i> , 2022, 126, 37-44.	2.3	7
2	Characterization of single nucleotide polymorphisms for a forward genetics approach using genetic crosses in C57BL/6 and BALB/c substrains of mice. <i>Experimental Animals</i> , 2022, 71, 240-251.	0.7	2
3	Circadian alignment of early onset caloric restriction promotes longevity in male C57BL/6J mice. <i>Science</i> , 2022, 376, 1192-1202.	6.0	157
4	Time to target the circadian clock for drug discovery. <i>Trends in Biochemical Sciences</i> , 2022, 47, 745-758.	3.7	28
5	Genetic analysis of activity, brain and behavioral associations in extended families with heavy genetic loading for bipolar disorder. <i>Psychological Medicine</i> , 2021, 51, 494-502.	2.7	6
6	Importance of circadian timing for aging and longevity. <i>Nature Communications</i> , 2021, 12, 2862.	5.8	106
7	Natural antisense transcript of <i>Period2</i> , <i>Per2AS</i> , regulates the amplitude of the mouse circadian clock. <i>Genes and Development</i> , 2021, 35, 899-913.	2.7	13
8	Magnetic sensitivity of cryptochrome 4 from a migratory songbird. <i>Nature</i> , 2021, 594, 535-540.	13.7	171
9	Adverse impact of polyphasic sleep patterns in humans: Report of the National Sleep Foundation sleep timing and variability consensus panel. <i>Sleep Health</i> , 2021, 7, 293-302.	1.3	10
10	Beth Levine M.D. Prize in Autophagy Research. <i>Autophagy</i> , 2021, 17, 2053-2053.	4.3	0
11	NPAS4 regulates the transcriptional response of the suprachiasmatic nucleus to light and circadian behavior. <i>Neuron</i> , 2021, 109, 3268-3282.e6.	3.8	46
12	The microbiota coordinates diurnal rhythms in innate immunity with the circadian clock. <i>Cell</i> , 2021, 184, 4154-4167.e12.	13.5	97
13	The 50th anniversary of the Konopka and Benzer 1971 paper in PNAS: "Clock Mutants of <i>Drosophila melanogaster</i> ". <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	2
14	Michael Menaker (1934-2021). <i>Journal of Biological Rhythms</i> , 2021, 36, 074873042110537.	1.4	1
15	Synchronization between peripheral circadian clock and feeding-fasting cycles in microfluidic device sustains oscillatory pattern of transcriptome. <i>Nature Communications</i> , 2021, 12, 6185.	5.8	20
16	Introduction to the Clock System. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1344, 3-20.	0.8	4
17	Circadian alignment of feeding regulates lifespan extension by caloric restriction. <i>Innovation in Aging</i> , 2021, 5, 116-116.	0.0	0
18	Dual-Color Single-Cell Imaging of the Suprachiasmatic Nucleus Reveals a Circadian Role in Network Synchrony. <i>Neuron</i> , 2020, 108, 164-179.e7.	3.8	54

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19	Sleeping Sickness Disrupts the Sleep-Regulating Adenosine System. <i>Journal of Neuroscience</i> , 2020, 40, 9306-9316.	1.7	14
20	Sleeping Sickness: A Tale of Two Clocks. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 525097.	1.8	14
21	Chemical perturbations reveal that RUVBL2 regulates the circadian phase in mammals. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	25
22	Noise-driven cellular heterogeneity in circadian periodicity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10350-10356.	3.3	38
23	The malaria parasite has an intrinsic clock. <i>Science</i> , 2020, 368, 746-753.	6.0	65
24	Circadian control of interferon-sensitive gene expression in murine skin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 5761-5771.	3.3	38
25	Epigenetic inheritance of circadian period in clonal cells. <i>ELife</i> , 2020, 9, .	2.8	14
26	An essential role for MEF2C in the cortical response to loss of sleep in mice. <i>ELife</i> , 2020, 9, .	2.8	25
27	Medicine in the Fourth Dimension. <i>Cell Metabolism</i> , 2019, 30, 238-250.	7.2	245
28	Neuronal Myocyte-Specific Enhancer Factor 2D (MEF2D) Is Required for Normal Circadian and Sleep Behavior in Mice. <i>Journal of Neuroscience</i> , 2019, 39, 7958-7967.	1.7	11
29	Nobiletin fortifies mitochondrial respiration in skeletal muscle to promote healthy aging against metabolic challenge. <i>Nature Communications</i> , 2019, 10, 3923.	5.8	123
30	A Hyperkinetic Redox Sensor Drives Flies to Sleep. <i>Trends in Neurosciences</i> , 2019, 42, 514-517.	4.2	1
31	A novel mutation in <i>Slc2a4</i> as a mouse model of fatigue. <i>Genes, Brain and Behavior</i> , 2019, 18, e12578.	1.1	0
32	A novel mouse model overexpressing <i>Nocturnin</i> results in decreased fat mass in male mice. <i>Journal of Cellular Physiology</i> , 2019, 234, 20228-20239.	2.0	12
33	Tissue-specific BMAL1 cistromes reveal that rhythmic transcription is associated with rhythmic enhancer-enhancer interactions. <i>Genes and Development</i> , 2019, 33, 294-309.	2.7	103
34	Transcriptional Basis for Rhythmic Control of Hunger and Metabolism within the AgRP Neuron. <i>Cell Metabolism</i> , 2019, 29, 1078-1091.e5.	7.2	91
35	Chemical and structural analysis of a photoactive vertebrate cryptochrome from pigeon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19449-19457.	3.3	91
36	Tissue-specific FAH deficiency alters sleep-wake patterns and results in chronic tyrosinemia in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 22229-22236.	3.3	3

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37	Genomics of circadian rhythms in health and disease. <i>Genome Medicine</i> , 2019, 11, 82.	3.6	296
38	Circadian clock genes and the transcriptional architecture of the clock mechanism. <i>Journal of Molecular Endocrinology</i> , 2019, 63, R93-R102.	1.1	243
39	2. Molecular Architecture of the Circadian Clock in Mammals. <i>Biological Psychiatry</i> , 2018, 83, S1.	0.7	1
40	Sleeping sickness is a circadian disorder. <i>Nature Communications</i> , 2018, 9, 62.	5.8	75
41	The Genomic Landscape and Pharmacogenomic Interactions of Clock Genes in Cancer Chronotherapy. <i>Cell Systems</i> , 2018, 6, 314-328.e2.	2.9	183
42	An evolutionary hotspot defines functional differences between CRYPTOCHROMES. <i>Nature Communications</i> , 2018, 9, 1138.	5.8	72
43	Development and Therapeutic Potential of Small-Molecule Modulators of Circadian Systems. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 231-252.	4.2	119
44	Mean-Variance QTL Mapping Identifies Novel QTL for Circadian Activity and Exploratory Behavior in Mice. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 3783-3790.	0.8	10
45	Cell-Autonomous Regulation of Astrocyte Activation by the Circadian Clock Protein BMAL1. <i>Cell Reports</i> , 2018, 25, 1-9.e5.	2.9	100
46	Enriching the Circadian Proteome. <i>Cell Metabolism</i> , 2017, 25, 1-2.	7.2	28
47	Formation of a repressive complex in the mammalian circadian clock is mediated by the secondary pocket of CRY1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 1560-1565.	3.3	92
48	<i>Trypanosoma brucei</i> metabolism is under circadian control. <i>Nature Microbiology</i> , 2017, 2, 17032.	5.9	68
49	Transcriptional architecture of the mammalian circadian clock. <i>Nature Reviews Genetics</i> , 2017, 18, 164-179.	7.7	1,766
50	<i>Period2</i> 3'UTR and microRNA-24 regulate circadian rhythms by repressing PERIOD2 protein accumulation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8855-E8864.	3.3	71
51	HCFC2 is needed for IRF1- and IRF2-dependent <i>Tlr3</i> transcription and for survival during viral infections. <i>Journal of Experimental Medicine</i> , 2017, 214, 3263-3277.	4.2	23
52	HDAC5 and Its Target Gene, <i>Npas4</i> , Function in the Nucleus Accumbens to Regulate Cocaine-Conditioned Behaviors. <i>Neuron</i> , 2017, 96, 130-144.e6.	3.8	88
53	Time-Restricted Feeding Shifts the Skin Circadian Clock and Alters UVB-Induced DNA Damage. <i>Cell Reports</i> , 2017, 20, 1061-1072.	2.9	79
54	Novel transcriptional networks regulated by CLOCK in human neurons. <i>Genes and Development</i> , 2017, 31, 2121-2135.	2.7	30

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55	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , 2017, 32, 380-393.	1.4	237
56	Mice under Caloric Restriction Self-Impose a Temporal Restriction of Food Intake as Revealed by an Automated Feeder System. <i>Cell Metabolism</i> , 2017, 26, 267-277.e2.	7.2	176
57	An actigraphy study investigating sleep in bipolar I patients, unaffected siblings and controls. <i>Journal of Affective Disorders</i> , 2017, 208, 248-254.	2.0	12
58	Bmal1 function in skeletal muscle regulates sleep. <i>ELife</i> , 2017, 6, .	2.8	106
59	Circadian rhythms in parasites. <i>PLoS Pathogens</i> , 2017, 13, e1006590.	2.1	22
60	Loss of ZBTB20 impairs circadian output and leads to unimodal behavioral rhythms. <i>ELife</i> , 2016, 5, .	2.8	22
61	The Small Molecule Nobiletin Targets the Molecular Oscillator to Enhance Circadian Rhythms and Protect against Metabolic Syndrome. <i>Cell Metabolism</i> , 2016, 23, 610-621.	7.2	380
62	Molecular Architecture of the Circadian Clock in Mammals. <i>Research and Perspectives in Endocrine Interactions</i> , 2016, , 13-24.	0.2	48
63	Circadian Oscillations of NADH Redox State Using a Heterologous Metabolic Sensor in Mammalian Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 23906-23914.	1.6	10
64	Identification of mutations through dominant screening for obesity using C57BL/6 substrains. <i>Scientific Reports</i> , 2016, 6, 32453.	1.6	9
65	Forward-genetics analysis of sleep in randomly mutagenized mice. <i>Nature</i> , 2016, 539, 378-383.	13.7	266
66	Genetic contributions to circadian activity rhythm and sleep pattern phenotypes in pedigrees segregating for severe bipolar disorder. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E754-61.	3.3	77
67	Mouse Tmem135 mutation reveals a mechanism involving mitochondrial dynamics that leads to age-dependent retinal pathologies. <i>ELife</i> , 2016, 5, .	2.8	38
68	Molecular components of the circadian clock in mammals. <i>Diabetes, Obesity and Metabolism</i> , 2015, 17, 6-11.	2.2	170
69	Cycling Transcriptional Networks Optimize Energy Utilization on a Genome Scale. <i>Cell Reports</i> , 2015, 13, 1868-1880.	2.9	55
70	In Vivo Single-Cell Detection of Metabolic Oscillations in Stem Cells. <i>Cell Reports</i> , 2015, 10, 1-7.	2.9	118
71	ChIP-seq and RNA-seq Methods to Study Circadian Control of Transcription in Mammals. <i>Methods in Enzymology</i> , 2015, 551, 285-321.	0.4	26
72	The Circadian Clock in Skin. <i>Journal of Biological Rhythms</i> , 2015, 30, 163-182.	1.4	135

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73	Neuromedin S-Producing Neurons Act as Essential Pacemakers in the Suprachiasmatic Nucleus to Couple Clock Neurons and Dictate Circadian Rhythms. <i>Neuron</i> , 2015, 85, 1086-1102.	3.8	148
74	Vasoactive Intestinal Polypeptide (VIP)-Expressing Neurons in the Suprachiasmatic Nucleus Provide Sparse GABAergic Outputs to Local Neurons with Circadian Regulation Occurring Distal to the Opening of Postsynaptic GABA <sub>A</sub> Ionotropic Receptors. <i>Journal of Neuroscience</i> , 2015, 35, 1905-1920.	1.7	48
75	A tunable artificial circadian clock in clock-defective mice. <i>Nature Communications</i> , 2015, 6, 8587.	5.8	43
76	Molecular assembly of the period-cryptochrome circadian transcriptional repressor complex. <i>ELife</i> , 2014, 3, e03674.	2.8	90
77	Hepatocyte circadian clock controls acetaminophen bioactivation through NADPH-cytochrome P450 oxidoreductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 18757-18762.	3.3	75
78	Transcriptional program of Kpna2/Importin-1 $\pm$ 2 regulates cellular differentiation-coupled circadian clock development in mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5039-48.	3.3	59
79	Molecular architecture of the mammalian circadian clock. <i>Trends in Cell Biology</i> , 2014, 24, 90-99.	3.6	1,084
80	Phosphorylation of LSD1 by PKC $\zeta$ Is Crucial for Circadian Rhythmicity and Phase Resetting. <i>Molecular Cell</i> , 2014, 53, 791-805.	4.5	84
81	Circadian Metabolic Oscillations in the Epidermis Stem Cells by Fluorescence Lifetime Microscopy of NADH in Vivo. <i>Biophysical Journal</i> , 2014, 106, 24a.	0.2	1
82	Differential effects of light and feeding on circadian organization of peripheral clocks in a forebrain Bmal1 mutant. <i>ELife</i> , 2014, 3, .	2.8	140
83	Small molecule modifiers of circadian clocks. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2985-2998.	2.4	95
84	FGF21 regulates metabolism and circadian behavior by acting on the nervous system. <i>Nature Medicine</i> , 2013, 19, 1147-1152.	15.2	430
85	T <sub>H</sub> 17 Cell Differentiation Is Regulated by the Circadian Clock. <i>Science</i> , 2013, 342, 727-730.	6.0	355
86	C57BL/6N Mutation in <i>Cytoplasmic FMRP interacting protein 2</i> Regulates Cocaine Response. <i>Science</i> , 2013, 342, 1508-1512.	6.0	198
87	Epidermal stem cells ride the circadian wave. <i>Genome Biology</i> , 2013, 14, 140.	13.9	6
88	Phosphorylation of the Cryptochrome 1 C-terminal Tail Regulates Circadian Period Length. <i>Journal of Biological Chemistry</i> , 2013, 288, 35277-35286.	1.6	66
89	Competing E3 Ubiquitin Ligases Govern Circadian Periodicity by Degradation of CRY in Nucleus and Cytoplasm. <i>Cell</i> , 2013, 152, 1091-1105.	13.5	280
90	Molecular Components of the Mammalian Circadian Clock. <i>Handbook of Experimental Pharmacology</i> , 2013, , 3-27.	0.9	544

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91	Central Circadian Control of Female Reproductive Function. <i>Frontiers in Endocrinology</i> , 2013, 4, 195.	1.5	93
92	Usf1, a suppressor of the circadian Clock mutant, reveals the nature of the DNA-binding of the CLOCK:BMAL1 complex in mice. <i>ELife</i> , 2013, 2, e00426.	2.8	63
93	Brain-Specific Rescue of Clock Reveals System-Driven Transcriptional Rhythms in Peripheral Tissue. <i>PLoS Genetics</i> , 2012, 8, e1002835.	1.5	97
94	Identification of diverse modulators of central and peripheral circadian clocks by high-throughput chemical screening. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 101-106.	3.3	195
95	Brain and muscle Arnt-like protein-1 (BMAL1) controls circadian cell proliferation and susceptibility to UVB-induced DNA damage in the epidermis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11758-11763.	3.3	211
96	Ghrelin-immunopositive hypothalamic neurons tie the circadian clock and visual system to the lateral hypothalamic arousal center. <i>Molecular Metabolism</i> , 2012, 1, 79-85.	3.0	18
97	Regulation of circadian behaviour and metabolism by synthetic REV-ERB agonists. <i>Nature</i> , 2012, 485, 62-68.	13.7	638
98	Transcriptional Architecture and Chromatin Landscape of the Core Circadian Clock in Mammals. <i>Science</i> , 2012, 338, 349-354.	6.0	1,194
99	Crystal Structure of the Heterodimeric CLOCK:BMAL1 Transcriptional Activator Complex. <i>Science</i> , 2012, 337, 189-194.	6.0	270
100	Central and Peripheral Circadian Clocks in Mammals. <i>Annual Review of Neuroscience</i> , 2012, 35, 445-462.	5.0	1,741
101	Genetics of Circadian Rhythms in Mammalian Model Organisms. <i>Advances in Genetics</i> , 2011, 74, 175-230.	0.8	468
102	Cell autonomy and synchrony of suprachiasmatic nucleus circadian oscillators. <i>Trends in Neurosciences</i> , 2011, 34, 349-358.	4.2	195
103	Redox redux. <i>Nature</i> , 2011, 469, 476-478.	13.7	40
104	Second-generation high-throughput forward genetic screen in mice to isolate subtle behavioral mutants. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15557-15564.	3.3	29
105	Impaired Limbic Gamma Oscillatory Synchrony during Anxiety-Related Behavior in a Genetic Mouse Model of Bipolar Mania. <i>Journal of Neuroscience</i> , 2011, 31, 6449-6456.	1.7	38
106	Phase-Resetting Sensitivity of the Suprachiasmatic Nucleus and Oscillator Amplitude. <i>Journal of Biological Rhythms</i> , 2011, 26, 371-373.	1.4	3
107	Generation of N-Ethyl-N-nitrosourea (ENU) Diabetes Models in Mice Demonstrates Genotype-specific Action of Glucokinase Activators. <i>Journal of Biological Chemistry</i> , 2011, 286, 39560-39572.	1.6	13
108	Disruption of the clock components CLOCK and BMAL1 leads to hypoinsulinaemia and diabetes. <i>Nature</i> , 2010, 466, 627-631.	13.7	1,261

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109	Lithium Ameliorates Nucleus Accumbens Phase-Signaling Dysfunction in a Genetic Mouse Model of Mania. <i>Journal of Neuroscience</i> , 2010, 30, 16314-16323.	1.7	76
110	CLOCK and BMAL1 regulate <i>MyoD</i> and are necessary for maintenance of skeletal muscle phenotype and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19090-19095.	3.3	299
111	Emergence of Noise-Induced Oscillations in the Central Circadian Pacemaker. <i>PLoS Biology</i> , 2010, 8, e1000513.	2.6	172
112	Divergent and nonuniform gene expression patterns in mouse brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19049-19054.	3.3	34
113	Temperature as a Universal Resetting Cue for Mammalian Circadian Oscillators. <i>Science</i> , 2010, 330, 379-385.	6.0	745
114	Circadian Integration of Metabolism and Energetics. <i>Science</i> , 2010, 330, 1349-1354.	6.0	1,596
115	PARP around the Clock. <i>Cell</i> , 2010, 142, 841-843.	13.5	10
116	Suprachiasmatic Nucleus: Cell Autonomy and Network Properties. <i>Annual Review of Physiology</i> , 2010, 72, 551-577.	5.6	1,056
117	Genetic suppression of the circadian Clock mutation by the melatonin biosynthesis pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8399-8403.	3.3	52
118	CK1 $\delta$ -dependent phosphorylation is a temperature-insensitive, period-determining process in the mammalian circadian clock. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15744-15749.	3.3	239
119	Identification of genetic loci involved in diabetes using a rat model of depression. <i>Mammalian Genome</i> , 2009, 20, 486-497.	1.0	14
120	Circadian Clock Feedback Cycle Through NAMPT-Mediated NAD <sup>+</sup> Biosynthesis. <i>Science</i> , 2009, 324, 651-654.	6.0	992
121	Rhythmic PER Abundance Defines a Critical Nodal Point for Negative Feedback within the Circadian Clock Mechanism. <i>Molecular Cell</i> , 2009, 36, 417-430.	4.5	207
122	Circadian Clock Genes Contribute to the Regulation of Hair Follicle Cycling. <i>PLoS Genetics</i> , 2009, 5, e1000573.	1.5	146
123	The genetics of mammalian circadian order and disorder: implications for physiology and disease. <i>Nature Reviews Genetics</i> , 2008, 9, 764-775.	7.7	1,357
124	Setting Clock Speed in Mammals: The CK1 $\delta$ tau Mutation in Mice Accelerates Circadian Pacemakers by Selectively Destabilizing PERIOD Proteins. <i>Neuron</i> , 2008, 58, 78-88.	3.8	342
125	The Meter of Metabolism. <i>Cell</i> , 2008, 134, 728-742.	13.5	873
126	cAMP-Dependent Signaling as a Core Component of the Mammalian Circadian Pacemaker. <i>Science</i> , 2008, 320, 949-953.	6.0	381



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127	Searching for Genes Underlying Behavior: Lessons from Circadian Rhythms. <i>Science</i> , 2008, 322, 909-912.	6.0	89
128	Gene Set Enrichment in eQTL Data Identifies Novel Annotations and Pathway Regulators. <i>PLoS Genetics</i> , 2008, 4, e1000070.	1.5	90
129	Circadian Transcriptional Output in the SCN and Liver of the Mouse. <i>Novartis Foundation Symposium</i> , 2008, , 171-183.	1.2	35
130	Circadian and CLOCK-controlled regulation of the mouse transcriptome and cell proliferation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3342-3347.	3.3	439
131	System-Driven and Oscillator-Dependent Circadian Transcription in Mice with a Conditionally Active Liver Clock. <i>PLoS Biology</i> , 2007, 5, e34.	2.6	584
132	Inducible and Reversible Clock Gene Expression in Brain Using the tTA System for the Study of Circadian Behavior. <i>PLoS Genetics</i> , 2007, 3, e33.	1.5	54
133	Generation, identification and functional characterization of the nob4 mutation of <i>Grm6</i> in the mouse. <i>Visual Neuroscience</i> , 2007, 24, 111-123.	0.5	61
134	Identification of the circadian transcriptome in adult mouse skeletal muscle. <i>Physiological Genomics</i> , 2007, 31, 86-95.	1.0	300
135	Genomewide Association Analysis in Diverse Inbred Mice: Power and Population Structure. <i>Genetics</i> , 2007, 176, 675-683.	1.2	68
136	A Circadian Sleep Disorder Reveals a Complex Clock. <i>Cell</i> , 2007, 128, 22-23.	13.5	25
137	Intercellular Coupling Confers Robustness against Mutations in the SCN Circadian Clock Network. <i>Cell</i> , 2007, 129, 605-616.	13.5	676
138	Circadian Mutant Overtime Reveals F-box Protein FBXL3 Regulation of Cryptochrome and Period Gene Expression. <i>Cell</i> , 2007, 129, 1011-1023.	13.5	487
139	Mania-like behavior induced by disruption of CLOCK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 6406-6411.	3.3	720
140	Genetics and Neurobiology of Circadian Clocks in Mammals. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2007, 72, 251-259.	2.0	88
141	Interpretation of the mouse electroretinogram. <i>Documenta Ophthalmologica</i> , 2007, 115, 127-136.	1.0	59
142	The mouse Clock mutation reduces circadian pacemaker amplitude and enhances efficacy of resetting stimuli and phase-response curve amplitude. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 9327-9332.	3.3	209
143	Xenobiotic metabolism in the fourth dimension: PARTners in time. <i>Cell Metabolism</i> , 2006, 4, 3-4.	7.2	10
144	Test- and behavior-specific genetic factors affect WKY hypoactivity in tests of emotionality. <i>Behavioural Brain Research</i> , 2006, 169, 220-230.	1.2	53

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145	Large-scale mutagenesis and phenotypic screens for the nervous system and behavior in mice. Trends in Neurosciences, 2006, 29, 233-240.	4.2	48
146	Genetic analysis of the stress-responsive adrenocortical axis. Physiological Genomics, 2006, 27, 362-369.	1.0	50
147	BK calcium-activated potassium channels regulate circadian behavioral rhythms and pacemaker output. Nature Neuroscience, 2006, 9, 1041-1049.	7.1	225
148	Utilization of a whole genome SNP panel for efficient genetic mapping in the mouse. Genome Research, 2006, 16, 436-440.	2.4	89
149	Dissecting the Functions of the Mammalian Clock Protein BMAL1 by Tissue-Specific Rescue in Mice. Science, 2006, 314, 1304-1308.	6.0	274
150	Molecular components of the mammalian circadian clock. Human Molecular Genetics, 2006, 15, R271-R277.	1.4	1,384
151	Vasopressin Regulation of the Proestrous Luteinizing Hormone Surge in Wild-Type and Clock Mutant Mice. Biology of Reproduction, 2006, 75, 778-784.	1.2	101
152	Lineage is an Epigenetic Modifier of QTL Influencing Behavioral Coping with Stress. Behavior Genetics, 2005, 35, 189-198.	1.4	22
153	Forward Genetic Screens to Identify Circadian Rhythm Mutants in Mice. Methods in Enzymology, 2005, 393, 219-229.	0.4	23
154	Mouse Chimeras and Their Application to Circadian Biology. Methods in Enzymology, 2005, 393, 478-492.	0.4	2
155	Quantitative Trait Loci Associated with Elevated Thyroid-Stimulating Hormone in the Wistar-Kyoto Rat. Endocrinology, 2005, 146, 870-878.	1.4	15
156	Regulation of dopaminergic transmission and cocaine reward by the Clock gene. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9377-9381.	3.3	453
157	Loss of Circadian Photoentrainment and Abnormal Retinal Electrophysiology in Math5 Mutant Mice. , 2005, 46, 2540.		56
158	From The Cover: Circadian sensitivity to the chemotherapeutic agent cyclophosphamide depends on the functional status of the CLOCK/BMAL1 transactivation complex. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3407-3412.	3.3	231
159	Circadian Rhythm Generation and Entrainment in Astrocytes. Journal of Neuroscience, 2005, 25, 404-408.	1.7	248
160	Generation, characterization, and molecular cloning of the Noerg-1 mutation of rhodopsin in the mouse. Visual Neuroscience, 2005, 22, 619-629.	0.5	21
161	Circadian Clock Genes as Modulators of Sensitivity to Genotoxic Stress. Cell Cycle, 2005, 4, 901-907.	1.3	68
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