

# Joseph S Takahashi

## List of Publications by Citations

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297  
papers

52,294  
citations

105  
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227  
g-index

326  
ext. papers

58,949  
ext. citations

14  
avg, IF

7.84  
L-index

#	Paper	IF	Citations
297	Obesity and metabolic syndrome in circadian Clock mutant mice. <i>Science</i> , <b>2005</b> , 308, 1043-5	33.3	1846
296	Coordinated transcription of key pathways in the mouse by the circadian clock. <i>Cell</i> , <b>2002</b> , 109, 307-20	56.2	1831
295	PERIOD2::LUCIFERASE real-time reporting of circadian dynamics reveals persistent circadian oscillations in mouse peripheral tissues. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2004</b> , 101, 5339-46	11.5	1722
294	Role of the CLOCK protein in the mammalian circadian mechanism. <i>Science</i> , <b>1998</b> , 280, 1564-9	33.3	1539
293	Central and peripheral circadian clocks in mammals. <i>Annual Review of Neuroscience</i> , <b>2012</b> , 35, 445-62	17	1319
292	Mutagenesis and mapping of a mouse gene, Clock, essential for circadian behavior. <i>Science</i> , <b>1994</b> , 264, 719-25	33.3	1319
291	Circadian integration of metabolism and energetics. <i>Science</i> , <b>2010</b> , 330, 1349-54	33.3	1253
290	Mop3 is an essential component of the master circadian pacemaker in mammals. <i>Cell</i> , <b>2000</b> , 103, 1009-17	56.2	1157
289	Positional cloning of the mouse circadian clock gene. <i>Cell</i> , <b>1997</b> , 89, 641-53	56.2	1144
288	Molecular components of the mammalian circadian clock. <i>Human Molecular Genetics</i> , <b>2006</b> , 15 Spec No 2, R271-7	5.6	1142
287	The genetics of mammalian circadian order and disorder: implications for physiology and disease. <i>Nature Reviews Genetics</i> , <b>2008</b> , 9, 764-75	30.1	1141
286	Disruption of the clock components CLOCK and BMAL1 leads to hypoinsulinaemia and diabetes. <i>Nature</i> , <b>2010</b> , 466, 627-31	50.4	1019
285	Transcriptional architecture of the mammalian circadian clock. <i>Nature Reviews Genetics</i> , <b>2017</b> , 18, 164-173	30.1	989
284	Transcriptional architecture and chromatin landscape of the core circadian clock in mammals. <i>Science</i> , <b>2012</b> , 338, 349-54	33.3	931
283	Circadian clock feedback cycle through NAMPT-mediated NAD <sup>+</sup> biosynthesis. <i>Science</i> , <b>2009</b> , 324, 651-4	33.3	846
282	Suprachiasmatic nucleus: cell autonomy and network properties. <i>Annual Review of Physiology</i> , <b>2010</b> , 72, 551-77	23.1	840
281	Molecular architecture of the mammalian circadian clock. <i>Trends in Cell Biology</i> , <b>2014</b> , 24, 90-9	18.3	788

280	Regulation of CREB phosphorylation in the suprachiasmatic nucleus by light and a circadian clock. <i>Science</i> , <b>1993</b> , 260, 238-41	33.3	755
279	Mammalian circadian biology: elucidating genome-wide levels of temporal organization. <i>Annual Review of Genomics and Human Genetics</i> , <b>2004</b> , 5, 407-41	9.7	732
278	The meter of metabolism. <i>Cell</i> , <b>2008</b> , 134, 728-42	56.2	718
277	Positional syntenic cloning and functional characterization of the mammalian circadian mutation tau. <i>Science</i> , <b>2000</b> , 288, 483-92	33.3	712
276	Closing the circadian loop: CLOCK-induced transcription of its own inhibitors per and tim. <i>Science</i> , <b>1998</b> , 280, 1599-603	33.3	702
275	Mania-like behavior induced by disruption of CLOCK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 6406-11	11.5	619
274	Temperature as a universal resetting cue for mammalian circadian oscillators. <i>Science</i> , <b>2010</b> , 330, 379-85	33.3	591
273	Intercellular coupling confers robustness against mutations in the SCN circadian clock network. <i>Cell</i> , <b>2007</b> , 129, 605-16	56.2	584
272	Functional identification of the mouse circadian Clock gene by transgenic BAC rescue. <i>Cell</i> , <b>1997</b> , 89, 655-67	56.2	583
271	Differential regulation of mammalian period genes and circadian rhythmicity by cryptochromes 1 and 2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1999</b> , 96, 12114-9	11.5	548
270	Bioluminescence imaging of individual fibroblasts reveals persistent, independently phased circadian rhythms of clock gene expression. <i>Current Biology</i> , <b>2004</b> , 14, 2289-95	6.3	544
269	System-driven and oscillator-dependent circadian transcription in mice with a conditionally active liver clock. <i>PLoS Biology</i> , <b>2007</b> , 5, e34	9.7	508
268	Regulation of circadian behaviour and metabolism by synthetic REV-ERB agonists. <i>Nature</i> , <b>2012</b> , 485, 62-8	50.4	493
267	A CLOCK polymorphism associated with human diurnal preference. <i>Sleep</i> , <b>1998</b> , 21, 569-76	1.1	484
266	Spectral sensitivity of a novel photoreceptive system mediating entrainment of mammalian circadian rhythms. <i>Nature</i> , <b>1984</b> , 308, 186-8	50.4	484
265	Photic and circadian regulation of c-fos gene expression in the hamster suprachiasmatic nucleus. <i>Neuron</i> , <b>1990</b> , 5, 127-34	13.9	474
264	Molecular genetics of circadian rhythms in mammals. <i>Annual Review of Neuroscience</i> , <b>2000</b> , 23, 713-42	17	436
263	Molecular components of the Mammalian circadian clock. <i>Handbook of Experimental Pharmacology</i> , <b>2013</b> , 3-27	3.2	428

262	Circadian mutant Overtime reveals F-box protein FBXL3 regulation of cryptochrome and period gene expression. <i>Cell</i> , <b>2007</b> , 129, 1011-23	56.2	420
261	Regulation of dopaminergic transmission and cocaine reward by the Clock gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 9377-81	11.5	393
260	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> , <b>2007</b> , 104, 3342-7	11.5	389
259	Genetics of circadian rhythms in Mammalian model organisms. <i>Advances in Genetics</i> , <b>2011</b> , 74, 175-230	3.3	384
258	FGF21 regulates metabolism and circadian behavior by acting on the nervous system. <i>Nature Medicine</i> , <b>2013</b> , 19, 1147-52	50.5	333
257	cAMP-dependent signaling as a core component of the mammalian circadian pacemaker. <i>Science</i> , <b>2008</b> , 320, 949-53	33.3	328
256	Role of mouse cryptochrome blue-light photoreceptor in circadian photoresponses. <i>Science</i> , <b>1998</b> , 282, 1490-4	33.3	320
255	Clock controls circadian period in isolated suprachiasmatic nucleus neurons. <i>Nature Neuroscience</i> , <b>1998</b> , 1, 708-13	25.5	316
254	The circadian clock mutation alters sleep homeostasis in the mouse. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 8138-43	6.6	315
253	Setting clock speed in mammals: the CK1 epsilon tau mutation in mice accelerates circadian pacemakers by selectively destabilizing PERIOD proteins. <i>Neuron</i> , <b>2008</b> , 58, 78-88	13.9	301
252	Mammalian circadian autoregulatory loop: a timeless ortholog and mPer1 interact and negatively regulate CLOCK-BMAL1-induced transcription. <i>Neuron</i> , <b>1998</b> , 21, 1101-13	13.9	300
251	Circadian clock mutation disrupts estrous cyclicity and maintenance of pregnancy. <i>Current Biology</i> , <b>2004</b> , 14, 1367-73	6.3	263
250	Regulation of circadian rhythmicity. <i>Science</i> , <b>1982</b> , 217, 1104-11	33.3	258
249	Stopping time: the genetics of fly and mouse circadian clocks. <i>Annual Review of Neuroscience</i> , <b>2001</b> , 24, 1091-119	17	257
248	Sensitivity and integration in a visual pathway for circadian entrainment in the hamster ( <i>Mesocricetus auratus</i> ). <i>Journal of Physiology</i> , <b>1991</b> , 439, 115-45	3.9	257
247	TH17 cell differentiation is regulated by the circadian clock. <i>Science</i> , <b>2013</b> , 342, 727-30	33.3	255
246	Identification of the circadian transcriptome in adult mouse skeletal muscle. <i>Physiological Genomics</i> , <b>2007</b> , 31, 86-95	3.6	254
245	The Small Molecule Nobiletin Targets the Molecular Oscillator to Enhance Circadian Rhythms and Protect against Metabolic Syndrome. <i>Cell Metabolism</i> , <b>2016</b> , 23, 610-21	24.6	251

244	A noncanonical E-box enhancer drives mouse Period2 circadian oscillations in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 2608-13	11.5	242
243	Genetics of the mammalian circadian system: Photic entrainment, circadian pacemaker mechanisms, and posttranslational regulation. <i>Annual Review of Genetics</i> , <b>2000</b> , 34, 533-562	14.5	239
242	Dissecting the functions of the mammalian clock protein BMAL1 by tissue-specific rescue in mice. <i>Science</i> , <b>2006</b> , 314, 1304-8	33.3	237
241	CLOCK and BMAL1 regulate MyoD 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> , <b>2010</b> , 107, 19090-5	11.5	234
240	Competing E3 ubiquitin ligases govern circadian periodicity by degradation of CRY in nucleus and cytoplasm. <i>Cell</i> , <b>2013</b> , 152, 1091-105	56.2	224
239	Regulation of jun-B messenger RNA and AP-1 activity by light and a circadian clock. <i>Science</i> , <b>1992</b> , 255, 1581-4	33.3	204
238	Circadian rhythms of melatonin release from individual superfused chicken pineal glands in vitro. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1980</b> , 77, 2319-22	11.5	202
237	Circadian sensitivity to the chemotherapeutic agent cyclophosphamide depends on the functional status of the CLOCK/BMAL1 transactivation complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 3407-12	11.5	201
236	Forward and reverse genetic approaches to behavior in the mouse. <i>Science</i> , <b>1994</b> , 264, 1724-33	33.3	200
235	CKlepsilon/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> , <b>2009</b> , 106, 15744-9	11.5	199
234	Crystal structure of the heterodimeric CLOCK:BMAL1 transcriptional activator complex. <i>Science</i> , <b>2012</b> , 337, 189-94	33.3	198
233	BK calcium-activated potassium channels regulate circadian behavioral rhythms and pacemaker output. <i>Nature Neuroscience</i> , <b>2006</b> , 9, 1041-9	25.5	194
232	Genome-wide epistatic interaction analysis reveals complex genetic determinants of circadian behavior in mice. <i>Genome Research</i> , <b>2001</b> , 11, 959-80	9.7	189
231	Circadian rhythm generation and entrainment in astrocytes. <i>Journal of Neuroscience</i> , <b>2005</b> , 25, 404-8	6.6	188
230	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> , <b>2006</b> , 103, 9327-32	11.5	185
229	Targeted deletion of the Vgf gene indicates that the encoded secretory peptide precursor plays a novel role in the regulation of energy balance. <i>Neuron</i> , <b>1999</b> , 23, 537-48	13.9	181
228	Use of 2-[125I]iodomelatonin to characterize melatonin binding sites in chicken retina. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1987</b> , 84, 3916-20	11.5	179
227	Cell autonomy and synchrony of suprachiasmatic nucleus circadian oscillators. <i>Trends in Neurosciences</i> , <b>2011</b> , 34, 349-58	13.3	175

226	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> , <b>2012</b> , 109, 11758-63	11.5	165
225	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> , <b>2012</b> , 109, 101-6	11.5	162
224	Rhythmic PER abundance defines a critical nodal point for negative feedback within the circadian clock mechanism. <i>Molecular Cell</i> , <b>2009</b> , 36, 417-30	17.6	160
223	Circadian regulation of iodopsin gene expression in embryonic photoreceptors in retinal cell culture. <i>Neuron</i> , <b>1993</b> , 10, 579-84	13.9	158
222	Time- and exercise-dependent gene regulation in human skeletal muscle. <i>Genome Biology</i> , <b>2003</b> , 4, R61	18.3	156
221	Forward-genetics analysis of sleep in randomly mutagenized mice. <i>Nature</i> , <b>2016</b> , 539, 378-383	50.4	152
220	Emergence of noise-induced oscillations in the central circadian pacemaker. <i>PLoS Biology</i> , <b>2010</b> , 8, e1000513	5.3	150
219	Real-time luminescence reporting of circadian gene expression in mammals. <i>Methods in Enzymology</i> , <b>2005</b> , 393, 288-301	1.7	146
218	Pineal opsin: a nonvisual opsin expressed in chick pineal. <i>Science</i> , <b>1995</b> , 267, 1502-6	33.3	145
217	The mouse Clock mutation behaves as an antimorph and maps within the W19H deletion, distal of Kit. <i>Genetics</i> , <b>1997</b> , 146, 1049-60	4	136
216	Circadian clock in cell culture: I. Oscillation of melatonin release from dissociated chick pineal cells in flow-through microcarrier culture. <i>Journal of Neuroscience</i> , <b>1988</b> , 8, 12-21	6.6	135
215	Light, immediate-early genes, and circadian rhythms. <i>Behavior Genetics</i> , <b>1996</b> , 26, 221-40	3.2	134
214	C57BL/6N mutation in cytoplasmic FMRP interacting protein 2 regulates cocaine response. <i>Science</i> , <b>2013</b> , 342, 1508-12	33.3	133
213	2-[125I]iodomelatonin binding sites in hamster brain membranes: pharmacological characteristics and regional distribution. <i>Endocrinology</i> , <b>1988</b> , 122, 1825-33	4.8	131
212	Molecular components of the circadian clock in mammals. <i>Diabetes, Obesity and Metabolism</i> , <b>2015</b> , 17 Suppl 1, 6-11	6.7	130
211	Genomics of circadian rhythms in health and disease. <i>Genome Medicine</i> , <b>2019</b> , 11, 82	14.4	130
210	Chimera analysis of the Clock mutation in mice shows that complex cellular integration determines circadian behavior. <i>Cell</i> , <b>2001</b> , 105, 25-42	56.2	128
209	Role of the suprachiasmatic nuclei in the circadian system of the house sparrow, <i>Passer domesticus</i> . <i>Journal of Neuroscience</i> , <b>1982</b> , 2, 815-28	6.6	128

208	Guidelines for Genome-Scale Analysis of Biological Rhythms. <i>Journal of Biological Rhythms</i> , <b>2017</b> , 32, 380-393	3.2	127
207	The orphan receptor Rev-erbalpha gene is a target of the circadian clock pacemaker. <i>Journal of Molecular Endocrinology</i> , <b>2004</b> , 33, 585-608	4.5	127
206	Aging alters circadian and light-induced expression of clock genes in golden hamsters. <i>Journal of Biological Rhythms</i> , <b>2003</b> , 18, 159-69	3.2	127
205	Photic and circadian expression of luciferase in mPeriod1-luc transgenic mice invivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 489-94	11.5	126
204	The physiology of circadian pacemakers. <i>Annual Review of Physiology</i> , <b>1978</b> , 40, 501-26	23.1	126
203	Medicine in the Fourth Dimension. <i>Cell Metabolism</i> , <b>2019</b> , 30, 238-250	24.6	125
202	Effects of aging on light-induced phase-shifting of circadian behavioral rhythms, fos expression and CREB phosphorylation in the hamster suprachiasmatic nucleus. <i>Neuroscience</i> , <b>1996</b> , 70, 951-61	3.9	124
201	Effects of aging on the circadian rhythm of wheel-running activity in C57BL/6 mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>1997</b> , 273, R1957-64	3.2	123
200	Characteristics and autoradiographic localization of 2-[125I]iodomelatonin binding sites in Djungarian hamster brain. <i>Endocrinology</i> , <b>1989</b> , 125, 1011-8	4.8	119
199	Circadian clock genes contribute to the regulation of hair follicle cycling. <i>PLoS Genetics</i> , <b>2009</b> , 5, e1000573		117
198	Familial advanced sleep phase syndrome. <i>Archives of Neurology</i> , <b>2001</b> , 58, 1089-94		114
197	Neuromedin s-producing neurons act as essential pacemakers in the suprachiasmatic nucleus to couple clock neurons and dictate circadian rhythms. <i>Neuron</i> , <b>2015</b> , 85, 1086-102	13.9	108
196	Future of genetics of mood disorders research. <i>Biological Psychiatry</i> , <b>2002</b> , 52, 457-77	7.9	108
195	Mice under Caloric Restriction Self-Impose a Temporal Restriction of Food Intake as Revealed by an Automated Feeder System. <i>Cell Metabolism</i> , <b>2017</b> , 26, 267-277.e2	24.6	107
194	Sex- and lineage-specific inheritance of depression-like behavior in the rat. <i>Mammalian Genome</i> , <b>2004</b> , 15, 648-62	3.2	107
193	Differential effects of light and feeding on circadian organization of peripheral clocks in a forebrain Bmal1 mutant. <i>ELife</i> , <b>2014</b> , 3,	8.9	105
192	Molecular cloning and characterization of the human CLOCK gene: expression in the suprachiasmatic nuclei. <i>Genomics</i> , <b>1999</b> , 57, 189-200	4.3	103
191	Sequence interpretation. Functional annotation of mouse genome sequences. <i>Science</i> , <b>2001</b> , 291, 1251-53.3	33.3	101

190	Circadian clock in cell culture: II. In vitro photic entrainment of melatonin oscillation from dissociated chick pineal cells. <i>Journal of Neuroscience</i> , <b>1988</b> , 8, 22-30	6.6	100
189	Circadian clock genes and the transcriptional architecture of the clock mechanism. <i>Journal of Molecular Endocrinology</i> , <b>2019</b> , 63, R93-R102	4.5	100
188	Finding new clock components: past and future. <i>Journal of Biological Rhythms</i> , <b>2004</b> , 19, 339-47	3.2	98
187	In vivo single-cell detection of metabolic oscillations in stem cells. <i>Cell Reports</i> , <b>2015</b> , 10, 1-7	10.6	96
186	The circadian clock in skin: implications for adult stem cells, tissue regeneration, cancer, aging, and immunity. <i>Journal of Biological Rhythms</i> , <b>2015</b> , 30, 163-82	3.2	94
185	Vasopressin regulation of the proestrous luteinizing hormone surge in wild-type and Clock mutant mice. <i>Biology of Reproduction</i> , <b>2006</b> , 75, 778-84	3.9	93
184	The basic helix-loop-helix-PAS protein MOP9 is a brain-specific heterodimeric partner of circadian and hypoxia factors. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, RC83	6.6	92
183	Why the neuroendocrine system is important in aging processes. <i>Experimental Gerontology</i> , <b>1987</b> , 22, 1-15	4.5	92
182	Light-induced decrease of serotonin N-acetyltransferase activity and melatonin in the chicken pineal gland and retina. <i>Brain Research</i> , <b>1983</b> , 266, 287-93	3.7	86
181	The Genomic Landscape and Pharmacogenomic Interactions of Clock Genes in Cancer Chronotherapy. <i>Cell Systems</i> , <b>2018</b> , 6, 314-328.e2	10.6	85
180	Development and Therapeutic Potential of Small-Molecule Modulators of Circadian Systems. <i>Annual Review of Pharmacology and Toxicology</i> , <b>2018</b> , 58, 231-252	17.9	85
179	Utilization of a whole genome SNP panel for efficient genetic mapping in the mouse. <i>Genome Research</i> , <b>2006</b> , 16, 436-40	9.7	85
178	Temperature compensation and temperature entrainment of the chick pineal cell circadian clock. <i>Journal of Neuroscience</i> , <b>1995</b> , 15, 5681-92	6.6	84
177	Small molecule modifiers of circadian clocks. <i>Cellular and Molecular Life Sciences</i> , <b>2013</b> , 70, 2985-98	10.3	82
176	Comparison of visual sensitivity for suppression of pineal melatonin and circadian phase-shifting in the golden hamster. <i>Brain Research</i> , <b>1991</b> , 554, 272-7	3.7	82
175	Brain-specific rescue of Clock reveals system-driven transcriptional rhythms in peripheral tissue. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002835	6	81
174	Adenylate cyclase activation shifts the phase of a circadian pacemaker. <i>Science</i> , <b>1983</b> , 220, 82-4	33.3	81
173	Gene set enrichment in eQTL data identifies novel annotations and pathway regulators. <i>PLoS Genetics</i> , <b>2008</b> , 4, e1000070	6	79



172	Circadian-clock regulation of gene expression. <i>Current Opinion in Genetics and Development</i> , <b>1993</b> , 3, 301-9	4.9	78
171	Searching for genes underlying behavior: lessons from circadian rhythms. <i>Science</i> , <b>2008</b> , 322, 909-12	33.3	77
170	The avian pineal, a vertebrate model system of the circadian oscillator: cellular regulation of circadian rhythms by light, second messengers, and macromolecular synthesis. <i>Endocrine Reviews</i> , <b>1989</b> , 45, 279-348; discussion 348-52		74
169	Implementing large-scale ENU mutagenesis screens in North America. <i>Genetica</i> , <b>2004</b> , 122, 51-64	1.5	73
168	Central circadian control of female reproductive function. <i>Frontiers in Endocrinology</i> , <b>2013</b> , 4, 195	5.7	72
167	Phosphorylation of LSD1 by PKC $\beta$ s crucial for circadian rhythmicity and phase resetting. <i>Molecular Cell</i> , <b>2014</b> , 53, 791-805	17.6	71
166	Circadian rhythms: molecular basis of the clock. <i>Current Opinion in Genetics and Development</i> , <b>1998</b> , 8, 595-602	4.9	70
165	Genetics and neurobiology of circadian clocks in mammals. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , <b>2007</b> , 72, 251-259	3.9	70
164	Circadian clock genes are ticking. <i>Science</i> , <b>1992</b> , 258, 238-40	33.3	70
163	function in skeletal muscle regulates sleep. <i>ELife</i> , <b>2017</b> , 6,	8.9	66
162	Genomewide association analysis in diverse inbred mice: power and population structure. <i>Genetics</i> , <b>2007</b> , 176, 675-83	4	66
161	Molecular assembly of the period-cryptochrome circadian transcriptional repressor complex. <i>ELife</i> , <b>2014</b> , 3, e03674	8.9	65
160	Multiple redundant circadian oscillators within the isolated avian pineal gland. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>1984</b> , 154, 435-440 <sup>2-3</sup>		63
159	Tissue-specific BMAL1 cistromes reveal that rhythmic transcription is associated with rhythmic enhancer-enhancer interactions. <i>Genes and Development</i> , <b>2019</b> , 33, 294-309	12.6	63
158	Nobiletin fortifies mitochondrial respiration in skeletal muscle to promote healthy aging against metabolic challenge. <i>Nature Communications</i> , <b>2019</b> , 10, 3923	17.4	62
157	HDAC5 and Its Target Gene, Npas4, Function in the Nucleus Accumbens to Regulate Cocaine-Conditioned Behaviors. <i>Neuron</i> , <b>2017</b> , 96, 130-144.e6	13.9	61
156	Large-scale mutagenesis of the mouse to understand the genetic bases of nervous system structure and function. <i>Molecular Brain Research</i> , <b>2004</b> , 132, 105-15		61
155	Lithium ameliorates nucleus accumbens phase-signaling dysfunction in a genetic mouse model of mania. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 16314-23	6.6	60

- 154 Circadian clock genes as modulators of sensitivity to genotoxic stress. *Cell Cycle*, **2005**, 4, 901-7 4.7 60
- 153 Anisomycin, an inhibitor of protein synthesis, perturbs the phase of a mammalian circadian pacemaker. *Brain Research*, **1987**, 405, 199-203 3.7 60
- 152 Light-dependent regulation of dopamine receptors in mammalian retina. *Brain Research*, **1985**, 335, 321-37 3.7 60
- 151 Twenty-four hour oscillation of cAMP in chick pineal cells: role of cAMP in the acute and circadian regulation of melatonin production. *Neuron*, **1989**, 3, 609-19 13.9 59
- 150 Genetic contributions to circadian activity rhythm and sleep pattern phenotypes in pedigrees segregating for severe bipolar disorder. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, E754-61 11.5 58
- 149 *Trypanosoma brucei* metabolism is under circadian control. *Nature Microbiology*, **2017**, 2, 17032 26.6 57
- 148 Formation of a repressive complex in the mammalian circadian clock is mediated by the secondary pocket of CRY1. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1560-1565 11.5 56
- 147 3PUTR and microRNA-24 regulate circadian rhythms by repressing PERIOD2 protein accumulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E8855-E8864 11.5 55
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