Shigenobu Shibata

List of Publications by Year in Descending Order

178 papers	7,480 citations	46 h-index	82 g-index
189 ext. papers	8,426 ext. citations	5 avg, IF	5.84 L-index

#	Paper	IF	Citations
178	Oak extracts modulate circadian rhythms of clock gene expression in vitro and wheel-running activity in mice. *Sleep and Biological Rhythms*, **2022**, 20, 255	1.3	
177	Wheel-Running Facilitates Phase Advances in Locomotor and Peripheral Circadian Rhythm in Social Jet Lag Model Mice.. *Frontiers in Physiology*, **2022**, 13, 821199	4.6	1
176	Solid-State Fermented Okara with spp. Improves Lipid Metabolism and High-Fat Diet Induced Obesity.. *Metabolites*, **2022**, 12,	5.6	2
175	Association Between Na, K, and Lipid Intake in Each Meal and Blood Pressure.. *Frontiers in Nutrition*, **2022**, 9, 853118	6.2	1
174	shortens the circadian period through activation of the CaMKII pathway.. *Pharmaceutical Biology*, **2022**, 60, 689-698	3.8	
173	Evening rather than morning increased physical activity alters the microbiota in mice and is associated with increased body temperature and sympathetic nervous system activation.. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2022**, 166373	6.9	0
172	Use of a social jetlag-mimicking mouse model to determine the effects of a two-day delayed light- and/or feeding-shift on central and peripheral clock rhythms plus cognitive functioning. *Chronobiology International*, **2021**, 38, 426-442	3.6	2
171	The Relationship between the Lunar Phase, Menstrual Cycle Onset and Subjective Sleep Quality among Women of Reproductive Age. *International Journal of Environmental Research and Public Health*, **2021**, 18,	4.6	3
170	Psychological state during pregnancy is associated with sleep quality: preliminary findings from MY-CARE cohort study. *Chronobiology International*, **2021**, 38, 959-970	3.6	1
169	Changes in sleep phase and body weight of mobile health App users during COVID-19 mild lockdown in Japan. *International Journal of Obesity*, **2021**, 45, 2277-2280	5.5	8
168	Screen time duration and timing: effects on obesity, physical activity, dry eyes, and learning ability in elementary school children. *BMC Public Health*, **2021**, 21, 422	4.1	8
167	Distribution of dietary protein intake in daily meals influences skeletal muscle hypertrophy via the muscle clock. *Cell Reports*, **2021**, 36, 109336	10.6	9
166	Association between Irregular Meal Timing and the Mental Health of Japanese Workers. *Nutrients*, **2021**, 13,	6.7	3
165	The Combined Effects of Magnesium Oxide and Inulin on Intestinal Microbiota and Cecal Short-Chain Fatty Acids. *Nutrients*, **2021**, 13,	6.7	1
164	Supplementation of Protein at Breakfast Rather Than at Dinner and Lunch Is Effective on Skeletal Muscle Mass in Older Adults.. *Frontiers in Nutrition*, **2021**, 8, 797004	6.2	0
163	Cold Exposure during the Active Phase Affects the Short-Chain Fatty Acid Production of Mice in a Time-Specific Manner.. *Metabolites*, **2021**, 12,	5.6	1
162	Gamma Oryzanol Alleviates High-Fat Diet-Induced Anxiety-Like Behaviors Through Downregulation of Dopamine and Inflammation in the Amygdala of Mice. *Frontiers in Pharmacology*, **2020**, 11, 330	5.6	4

161	Crosstalk Among Circadian Rhythm, Obesity and Allergy. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	6
160	Combinatorial Effects of Soluble, Insoluble, and Organic Extracts from Jerusalem Artichokes on Gut Microbiota in Mice. *Microorganisms*, **2020**, 8,	4.9	4
159	Effects of Timing of Acute and Consecutive Catechin Ingestion on Postprandial Glucose Metabolism in Mice and Humans. *Nutrients*, **2020**, 12,	6.7	6
158	Effect of Dose and Timing of Burdock () Root Intake on Intestinal Microbiota of Mice. *Microorganisms*, **2020**, 8,	4.9	10
157	Time-of-Day-Dependent Physiological Responses to Meal and Exercise. *Frontiers in Nutrition*, **2020**, 7, 18	6.2	16
156	The circadian clock is disrupted in mice with adenine-induced tubulointerstitial nephropathy. *Kidney International*, **2020**, 97, 728-740	9.9	13
155	Circadian rhythm and its association with birth and infant outcomes: research protocol of a prospective cohort study. *BMC Pregnancy and Childbirth*, **2020**, 20, 96	3.2	6
154	Chrono-nutrition. *Japanese Journal of Physical Fitness and Sports Medicine*, **2020**, 69, 401-411	0.1	
153	Administration timing and duration-dependent effects of sesamin isomers on lipid metabolism in rats. *Chronobiology International*, **2020**, 37, 493-509	3.6	5
152	Gamma oryzanol impairs alcohol-induced anxiety-like behavior in mice via upregulation of central monoamines associated with Bdnf and Il-1 signaling. *Scientific Reports*, **2020**, 10, 10677	4.9	2
151	Effects of timing of acute catechin-rich green tea ingestion on postprandial glucose metabolism in healthy men. *Journal of Nutritional Biochemistry*, **2019**, 73, 108221	6.3	15
150	Effect of different sources of dietary protein on muscle hypertrophy in functionally overloaded mice. *Biochemistry and Biophysics Reports*, **2019**, 20, 100686	2.2	2
149	Systemic oscillator-driven and nutrient-responsive hormonal regulation of daily expression rhythms for gluconeogenic enzyme genes in the mouse liver. *Chronobiology International*, **2019**, 36, 591-615	3.6	4
148	The effect of night shift work on the expression of clock genes in beard hair follicle cells. *Sleep Medicine*, **2019**, 56, 164-170	4.6	5
147	Effects of increased daily physical activity on mental health and depression biomarkers in postmenopausal women. *Journal of Physical Therapy Science*, **2019**, 31, 408-413	1	7
146	Phase resetting of circadian peripheral clocks using human and rodent diets in mouse models of type 2 diabetes and chronic kidney disease. *Chronobiology International*, **2019**, 36, 851-869	3.6	2
145	Effect of piceatannol on circadian Per2 expression in vitro and in vivo. *Journal of Functional Foods*, **2019**, 56, 49-56	5.1	5
144	Correlation among clock gene expression rhythms, sleep quality, and meal conditions in delayed sleep-wake phase disorder and night eating syndrome. *Chronobiology International*, **2019**, 36, 770-783	3.6	3

143	Refined Auditory Brainstem Response Measurement Identified Potential Models of Congenital Deafness in Laboratory Mouse Strains. *JMA Journal*, **2019**, 2, 139-147	1	1
142	The Timing Effects of Soy Protein Intake on Mice Gut Microbiota. *Nutrients*, **2019**, 12,	6.7	17
141	Eurotium Cristatum Fermented Okara as a Potential Food Ingredient to Combat Diabetes. *Scientific Reports*, **2019**, 9, 17536	4.9	13
140	Mice Microbiota Composition Changes by Inulin Feeding with a Long Fasting Period under a Two-Meals-Per-Day Schedule. *Nutrients*, **2019**, 11,	6.7	13
139	Social jetlag and menstrual symptoms among female university students. *Chronobiology International*, **2019**, 36, 258-264	3.6	15
138	Anxiolytic effects of Ebryzanol in chronically- stressed mice are related to monoamine levels in the brain. *Life Sciences*, **2019**, 216, 119-128	6.8	8
137	A low-protein diet eliminates the circadian rhythm of serum insulin and hepatic lipid metabolism in mice. *Journal of Nutritional Biochemistry*, **2019**, 63, 177-185	6.3	4
136	Night eating model shows time-specific depression-like behavior in the forced swimming test. *Scientific Reports*, **2018**, 8, 1081	4.9	11
135	Gut Microbiota-Derived Short Chain Fatty Acids Induce Circadian Clock Entrainment in Mouse Peripheral Tissue. *Scientific Reports*, **2018**, 8, 1395	4.9	114
134	Entrainment of the mouse circadian clock: Effects of stress, exercise, and nutrition. *Free Radical Biology and Medicine*, **2018**, 119, 129-138	7.8	55
133	Glucagon and/or IGF-1 Production Regulates Resetting of the Liver Circadian Clock in Response to a Protein or Amino Acid-only Diet. *EBioMedicine*, **2018**, 28, 210-224	8.8	24
132	Circadian clock component PERIOD2 regulates diurnal expression of Na/H exchanger regulatory factor-1 and its scaffolding function. *Scientific Reports*, **2018**, 8, 9072	4.9	5
131	Chronotype and social jetlag influence human circadian clock gene expression. *Scientific Reports*, **2018**, 8, 10152	4.9	21
130	Combined effect of shortened photoperiod and low crude protein diet on liver triglyceride accumulation and lipid-related gene expression in quail. *Livestock Science*, **2018**, 214, 68-72	1.7	1
129	Ebryzanol ameliorates the acute stress induced by behavioral anxiety testing in mice. *Journal of Pharmacological Sciences*, **2018**, 138, 155-159	3.7	1
128	Effects of Meal Timing on Postprandial Glucose Metabolism and Blood Metabolites in Healthy Adults. *Nutrients*, **2018**, 10,	6.7	29
127	Day-Night Oscillation of Atrogin1 and Timing-Dependent Preventive Effect of Weight-Bearing on Muscle Atrophy. *EBioMedicine*, **2018**, 37, 499-508	8.8	11
126	Intracellular-to-total water ratio explains the variability of muscle strength dependence on the size of the lower leg in the elderly. *Experimental Gerontology*, **2018**, 113, 120-127	4.5	6

125	A randomized, double-blind and placebo-controlled crossover trial on the effect of l-ornithine ingestion on the human circadian clock. *Chronobiology International*, **2018**, 35, 1445-1455	3.6	8
124	The mammalian circadian clock and its entrainment by stress and exercise. *Journal of Physiological Sciences*, **2017**, 67, 1-10	2.3	95
123	Positive association between physical activity and PER3 expression in older adults. *Scientific Reports*, **2017**, 7, 39771	4.9	11
122	Regulation of plasma histamine levels by the mast cell clock and its modulation by stress. *Scientific Reports*, **2017**, 7, 39934	4.9	24
121	Age-related circadian disorganization caused by sympathetic dysfunction in peripheral clock regulation. *Npj Aging and Mechanisms of Disease*, **2017**, 3, 16030	5.5	42
120	Polyporus and Bupleuri radix effectively alter peripheral circadian clock phase acutely in male mice. *Nutrition Research*, **2017**, 43, 16-24	4	5
119	Clock-dependent temporal regulation of IL-33/ST2-mediated mast cell response. *Allergology International*, **2017**, 66, 472-478	4.4	18
118	Association of body mass index-related single nucleotide polymorphisms with psychiatric disease and memory performance in a Japanese population. *Acta Neuropsychiatrica*, **2017**, 29, 299-308	3.9	3
117	Abnormal tuning of the hepatic circadian metabolic rhythms in lung cancer. *Hepatology*, **2017**, 65, 1061-1064	11.2	
116	Circadian clock-dependent increase in salivary IgA secretion modulated by sympathetic receptor activation in mice. *Scientific Reports*, **2017**, 7, 8802	4.9	26
115	Age-dependent motor dysfunction due to neuron-specific disruption of stress-activated protein kinase MKK7. *Scientific Reports*, **2017**, 7, 7348	4.9	13
114	Potent synchronization of peripheral circadian clocks by glucocorticoid injections in PER2::LUC-Clock/Clock mice. *Chronobiology International*, **2017**, 34, 1067-1082	3.6	19
113	The Role of Circadian Rhythms in Muscular and Osseous Physiology and Their Regulation by Nutrition and Exercise. *Frontiers in Neuroscience*, **2017**, 11, 63	5.1	47
112	Potent Effects of Flavonoid Nobiletin on Amplitude, Period, and Phase of the Circadian Clock Rhythm in PER2::LUCIFERASE Mouse Embryonic Fibroblasts. *PLoS ONE*, **2017**, 12, e0170904	3.7	51
111	l-Ornithine affects peripheral clock gene expression in mice. *Scientific Reports*, **2016**, 6, 34665	4.9	15
110	Leucine restores murine hepatic triglyceride accumulation induced by a low-protein diet by suppressing autophagy and excessive endoplasmic reticulum stress. *Amino Acids*, **2016**, 48, 1013-1021	3.5	14
109	Different Roles of Negative and Positive Components of the Circadian Clock in Oncogene-induced Neoplastic Transformation. *Journal of Biological Chemistry*, **2016**, 291, 10541-50	5.4	11
108	Circadian rhythms of liver physiology and disease: experimental and clinical evidence. *Nature Reviews Gastroenterology and Hepatology*, **2016**, 13, 217-26	24.2	130

107	Inhibition of IgE-mediated allergic reactions by pharmacologically targeting the circadian clock. *Journal of Allergy and Clinical Immunology*, **2016**, 137, 1226-1235	11.5	34
106	Anatomical cross-sectional area of the quadriceps femoris and sit-to-stand test score in middle-aged and elderly population: development of a predictive equation. *Journal of Physiological Anthropology*, **2016**, 36, 3	2.5	7
105	Forced rather than voluntary exercise entrains peripheral clocks via a corticosterone/noradrenaline increase in PER2::LUC mice. *Scientific Reports*, **2016**, 6, 27607	4.9	51
104	Phase shifts in circadian peripheral clocks caused by exercise are dependent on the feeding schedule in PER2::LUC mice. *Chronobiology International*, **2016**, 33, 849-62	3.6	18
103	Eating meals before wheel-running exercise attenuate high fat diet-driven obesity in mice under two meals per day schedule. *Chronobiology International*, **2015**, 32, 677-86	3.6	4
102	The circadian clock controls fluctuations of colonic cell proliferation during the light/dark cycle via feeding behavior in mice. *Chronobiology International*, **2015**, 32, 1145-55	3.6	13
101	Impairment of Circadian Rhythms in Peripheral Clocks by Constant Light Is Partially Reversed by Scheduled Feeding or Exercise. *Journal of Biological Rhythms*, **2015**, 30, 533-42	3.2	33
100	Circadian Gene Clock Regulates Psoriasis-Like Skin Inflammation in Mice. *Journal of Investigative Dermatology*, **2015**, 135, 3001-3008	4.3	39
99	Phase-delay in the light-dark cycle impairs clock gene expression and levels of serotonin, norepinephrine, and their metabolites in the mouse hippocampus and amygdala. *Sleep Medicine*, **2015**, 16, 1352-1359	4.6	15
98	Nutrition and Diet as Potent Regulators of the Liver Clock **2015**, 107-117		
97	Antigen exposure in the late light period induces severe symptoms of food allergy in an OVA-allergic mouse model. *Scientific Reports*, **2015**, 5, 14424	4.9	13
96	Entrainment of the mouse circadian clock by sub-acute physical and psychological stress. *Scientific Reports*, **2015**, 5, 11417	4.9	82
95	Entrainment of mouse peripheral circadian clocks to . *Scientific Reports*, **2015**, 5, 14207	4.9	15
94	Chrono-nutrition of macro-nutrition including lipids. *Journal of Lipid Nutrition*, **2015**, 24, 53-60	0	1
93	Effects of television luminance and wavelength at habitual bedtime on melatonin and cortisol secretion in humans. *Sleep and Biological Rhythms*, **2015**, 13, 316-322	1.3	6
92	Housing under abnormal light-dark cycles attenuates day/night expression rhythms of the clock genes Per1, Per2, and Bmal1 in the amygdala and hippocampus of mice. *Neuroscience Research*, **2015**, 99, 16-21	2.9	6
91	Feeding and adrenal entrainment stimuli are both necessary for normal circadian oscillation of peripheral clocks in mice housed under different photoperiods. *Chronobiology International*, **2015**, 32, 195-210	3.6	19
90	Fish Oil Accelerates Diet-Induced Entrainment of the Mouse Peripheral Clock via GPR120. *PLoS ONE* , **2015**, 10, e0132472	3.7	37

89	A single daily meal at the beginning of the active or inactive period inhibits food deprivation-induced fatty liver in mice. *Nutrition Research*, **2014**, 34, 613-22	4	4
88	Combination of meal and exercise timing with a high-fat diet influences energy expenditure and obesity in mice. *Chronobiology International*, **2014**, 31, 959-75	3.6	26
87	Controlling access time to a high-fat diet during the inactive period protects against obesity in mice. *Chronobiology International*, **2014**, 31, 935-44	3.6	16
86	Chrono-biology, chrono-pharmacology, and chrono-nutrition. *Journal of Pharmacological Sciences*, **2014**, 124, 320-35	3.7	39
85	Effect of quetiapine on Per1, Per2, and Bmal1 clock gene expression in the mouse amygdala and hippocampus. *Journal of Pharmacological Sciences*, **2014**, 125, 329-32	3.7	14
84	Expressions of tight junction proteins Occludin and Claudin-1 are under the circadian control in the mouse large intestine: implications in intestinal permeability and susceptibility to colitis. *PLoS ONE*, **2014**, 9, e98016	3.7	63
83	Warm water bath stimulates phase-shifts of the peripheral circadian clocks in PER2::LUCIFERASE mouse. *PLoS ONE*, **2014**, 9, e100272	3.7	16
82	Circadian rhythm and exercise. *The Journal of Physical Fitness and Sports Medicine*, **2014**, 3, 65-72	0.5	5
81	Bile acid-regulated peroxisome proliferator-activated receptor-α (PPARα) activity underlies circadian expression of intestinal peptide absorption transporter PepT1/Slc15a1. *Journal of Biological Chemistry*, **2014**, 289, 25296-305	5.4	29
80	Acetylcholinesterase (AChE) inhibition aggravates fasting-induced triglyceride accumulation in the mouse liver. *FEBS Open Bio*, **2014**, 4, 905-14	2.7	12
79	Disruption of the suprachiasmatic nucleus blunts a time of day-dependent variation in systemic anaphylactic reaction in mice. *Journal of Immunology Research*, **2014**, 2014, 474217	4.5	15
78	Effects of caffeine on circadian phase, amplitude and period evaluated in cells in vitro and peripheral organs in vivo in PER2::LUCIFERASE mice. *British Journal of Pharmacology*, **2014**, 171, 5858-69	8.6	43
77	Circadian regulation of allergic reactions by the mast cell clock in mice. *Journal of Allergy and Clinical Immunology*, **2014**, 133, 568-75	11.5	59
76	Chronobiology and nutrition. *Neuroscience*, **2013**, 253, 78-88	3.9	116
75	Time-restricted feeding of rapidly digested starches causes stronger entrainment of the liver clock in PER2::LUCIFERASE knock-in mice. *Nutrition Research*, **2013**, 33, 109-19	4	26
74	A novel method to develop an animal model of depression using a small mobile robot. *Advanced Robotics*, **2013**, 27, 61-69	1.7	6
73	Crosstalk between the circadian clock circuitry and the immune system. *Chronobiology International* , **2013**, 30, 870-88	3.6	189
72	Differential roles of breakfast only (one meal per day) and a bigger breakfast with a small dinner (two meals per day) in mice fed a high-fat diet with regard to induced obesity and lipid metabolism. *Journal of Circadian Rhythms*, **2012**, 10, 4	2.5	51

71	In vivo monitoring of peripheral circadian clocks in the mouse. *Current Biology*, **2012**, 22, 1029-34	6.3	144
70	Meal frequency patterns determine the phase of mouse peripheral circadian clocks. *Scientific Reports*, **2012**, 2, 711	4.9	75
69	2,2,2-Tribromoethanol phase-shifts the circadian rhythm of the liver clock in Per2::Luciferase knockin mice: lack of dependence on anesthetic activity. *Journal of Pharmacology and Experimental Therapeutics*, **2012**, 340, 698-705	4.7	10
68	S6-1. Biological Rhythms and Drug Discovery. *Japanese Journal of Clinical Pharmacology and Therapeutics*, **2012**, 43, 97-98	0	
67	Attenuated food anticipatory activity and abnormal circadian locomotor rhythms in Rgs16 knockdown mice. *PLoS ONE*, **2011**, 6, e17655	3.7	13
66	Refeeding after fasting elicits insulin-dependent regulation of Per2 and Rev-erb□with shifts in the liver clock. *Journal of Biological Rhythms*, **2011**, 26, 230-40	3.2	92
65	Restricted feeding-induced entrainment of activity rhythm and peripheral clock rhythm. *Sleep and Biological Rhythms*, **2010**, 8, 18-27	1.3	4
64	Time of day and nutrients in feeding govern daily expression rhythms of the gene for sterol regulatory element-binding protein (SREBP)-1 in the mouse liver. *Journal of Biological Chemistry*, **2010**, 285, 33028-33036	5.4	43
63	Effects of medial hypothalamic lesions on feeding-induced entrainment of locomotor activity and liver Per2 expression in Per2::luc mice. *Journal of Biological Rhythms*, **2010**, 25, 9-18	3.2	28
62	Combination of starvation interval and food volume determines the phase of liver circadian rhythm in Per2::Luc knock-in mice under two meals per day feeding. *American Journal of Physiology - Renal Physiology*, **2010**, 299, G1045-53	5.1	61
61	Time-dependent inhibitory effect of lipopolysaccharide injection on Per1 and Per2 gene expression in the mouse heart and liver. *Chronobiology International*, **2010**, 27, 213-32	3.6	37
60	The role of GABAergic neuron on NMDA- and SP-induced phase delays in the suprachiasmatic nucleus neuronal activity rhythm in vitro. *Neuroscience Letters*, **2010**, 468, 344-7	3.3	5
59	The adjustment and manipulation of biological rhythms by light, nutrition, and abused drugs. *Advanced Drug Delivery Reviews*, **2010**, 62, 918-27	18.5	71
58	Effect of chronic ethanol exposure on the liver of Clock-mutant mice. *Journal of Circadian Rhythms*, **2009**, 7, 4	2.5	31
57	The dorsomedial hypothalamic nucleus is not necessary for food-anticipatory circadian rhythms of behavior, temperature or clock gene expression in mice. *European Journal of Neuroscience*, **2009**, 29, 1447-60	3.5	102
56	A balanced diet is necessary for proper entrainment signals of the mouse liver clock. *PLoS ONE*, **2009**, 4, e6909	3.7	68
55	Clock mutation facilitates accumulation of cholesterol in the liver of mice fed a cholesterol and/or cholic acid diet. *American Journal of Physiology - Endocrinology and Metabolism*, **2008**, 294, E120-30	6	36
54	Optimization of dosing schedule of daily inhalant dexamethasone to minimize phase shifting of clock gene expression rhythm in the lungs of the asthma mouse model. *Endocrinology*, **2007**, 148, 3316-26	4.8	36

53	Circadian rhythms in the CNS and peripheral clock disorders: preface. *Journal of Pharmacological Sciences*, **2007**, 103, 133	3.7	2
52	Circadian rhythms in the CNS and peripheral clock disorders: the circadian clock and hyperlipidemia. *Journal of Pharmacological Sciences*, **2007**, 103, 139-43	3.7	20
51	Attenuating effect of clock mutation on triglyceride contents in the ICR mouse liver under a high-fat diet. *Journal of Biological Rhythms*, **2007**, 22, 312-23	3.2	62
50	Differential effect of lithium on the circadian oscillator in young and old hamsters. *Biochemical and Biophysical Research Communications*, **2007**, 354, 752-6	3.4	15
49	PPARalpha is a potential therapeutic target of drugs to treat circadian rhythm sleep disorders. *Biochemical and Biophysical Research Communications*, **2007**, 357, 679-82	3.4	59
48	Altered food-anticipatory activity rhythm in Cryptochrome-deficient mice. *Neuroscience Research*, **2005**, 52, 166-73	2.9	69
47	Nonphotic entrainment of the circadian body temperature rhythm by the selective ORL1 receptor agonist W-212393 in rats. *British Journal of Pharmacology*, **2005**, 146, 33-40	8.6	17
46	Reduced food anticipatory activity in genetically orexin (hypocretin) neuron-ablated mice. *European Journal of Neuroscience*, **2004**, 20, 3054-62	3.5	150
45	Effect of lithium on the circadian rhythms of locomotor activity and glycogen synthase kinase-3 protein expression in the mouse suprachiasmatic nuclei. *European Journal of Neuroscience*, **2004**, 19, 2281-7	3.5	90
44	Daily injection of insulin attenuated impairment of liver circadian clock oscillation in the streptozotocin-treated diabetic mouse. *FEBS Letters*, **2004**, 572, 206-10	3.8	39
43	The role of Clock in the plasticity of circadian entrainment. *Biochemical and Biophysical Research Communications*, **2004**, 318, 893-8	3.4	7
42	Phase-resetting response to (+)8-OH-DPAT, a serotonin 1A/7 receptor agonist, in the mouse in vivo. *Neuroscience Letters*, **2004**, 368, 130-4	3.3	40
41	Neural regulation of the hepatic circadian rhythm. *The Anatomical Record*, **2004**, 280, 901-9		28
40	Adrenergic regulation of clock gene expression in mouse liver. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6795-800	11.5	223
39	MAP kinase-dependent induction of clock gene expression by alpha 1-adrenergic receptor activation. *FEBS Letters*, **2003**, 542, 109-14	3.8	17
38	Melatonin modulates the light-induced sympathoexcitation and vagal suppression with participation of the suprachiasmatic nucleus in mice. *Journal of Physiology*, **2003**, 547, 317-32	3.9	54
37	Extended action of MKC-242, a selective 5-HT(1A) receptor agonist, on light-induced Per gene expression in the suprachiasmatic nucleus in mice. *Journal of Neuroscience Research*, **2002**, 68, 470-8	4.4	20
36	Methamphetamine-induced, suprachiasmatic nucleus-independent circadian rhythms of activity and mPer gene expression in the striatum of the mouse. *European Journal of Neuroscience*, **2002**, 16, 921-9	3.5	99

35	Gastrin-releasing peptide mediates photic entrainable signals to dorsal subsets of suprachiasmatic nucleus via induction of Period gene in mice. *Molecular Pharmacology*, **2002**, 61, 26-34	4.3	98
34	Restricted feeding induces daily expression of clock genes and Pai-1 mRNA in the heart of Clock mutant mice. *FEBS Letters*, **2002**, 526, 115-8	3.8	47
33	Calcium and pituitary adenylate cyclase-activating polypeptide induced expression of circadian clock gene mPer1 in the mouse cerebellar granule cell culture. *Journal of Neurochemistry*, **2001**, 78, 499-508	4	38
32	Restricted feeding entrains liver clock without participation of the suprachiasmatic nucleus. *Genes To Cells*, **2001**, 6, 269-78	2.3	426
31	Differential daily expression of Per1 and Per2 mRNA in the suprachiasmatic nucleus of fetal and early postnatal mice. *European Journal of Neuroscience*, **2001**, 13, 687-93	3.5	60
30	Restricted-feeding-induced anticipatory activity rhythm is associated with a phase-shift of the expression of mPer1 and mPer2 mRNA in the cerebral cortex and hippocampus but not in the suprachiasmatic nucleus of mice. *European Journal of Neuroscience*, **2001**, 13, 1190-6	3.5	258
29	Circadian profile of Per gene mRNA expression in the suprachiasmatic nucleus, paraventricular nucleus, and pineal body of aged rats. *Journal of Neuroscience Research*, **2001**, 66, 1133-9	4.4	126
28	Expression of the Per1 gene in the hamster: Brain atlas and circadian characteristics in the suprachiasmatic nucleus. *Journal of Comparative Neurology*, **2001**, 430, 518-532	3.4	66
27	View of a mouse clock gene ticking. *Nature*, **2001**, 409, 684	50.4	82
26	Sensitized increase of period gene expression in the mouse caudate/putamen caused by repeated injection of methamphetamine. *Molecular Pharmacology*, **2001**, 59, 894-900	4.3	85
25	Expression of the Per1 gene in the hamster: Brain atlas and circadian characteristics in the suprachiasmatic nucleus **2001**, 430, 518		4
24	Involvement of glial fibrillary acidic protein (GFAP) expressed in astroglial cells in circadian rhythm under constant lighting conditions in mice. *Journal of Neuroscience Research*, **2000**, 60, 212-8	4.4	40
23	Close linkage between calcium/calmodulin kinase II alpha/beta and NMDA-2A receptors in the lateral amygdala and significance for retrieval of auditory fear conditioning. *European Journal of Neuroscience*, **2000**, 12, 3307-14	3.5	26
22	Inhibitory action of brotizolam on circadian and light-induced per1 and per2 expression in the hamster suprachiasmatic nucleus. *British Journal of Pharmacology*, **2000**, 131, 1739-47	8.6	41
21	Nonphotic entrainment by 5-HT1A/7 receptor agonists accompanied by reduced Per1 and Per2 mRNA levels in the suprachiasmatic nuclei. *Journal of Neuroscience*, **2000**, 20, 5867-73	6.6	169
20	Correlative association between N-methyl-D-aspartate receptor-mediated expression of period genes in the suprachiasmatic nucleus and phase shifts in behavior with photic entrainment of clock in hamsters. *Molecular Pharmacology*, **2000**, 58, 1554-62	4.3	76
19	Inhibition of light- or glutamate-induced mPer1 expression represses the phase shifts into the mouse circadian locomotor and suprachiasmatic firing rhythms. *Journal of Neuroscience*, **1999**, 19, 1115-21	6.6	243
18	Modulation of mPer1 gene expression by anxiolytic drugs in mouse cerebellum. *British Journal of Pharmacology*, **1999**, 128, 1616-22	8.6	30

17	Involvement of glutamate release in substance P-induced phase delays of suprachiasmatic neuron activity rhythm in vitro. *Brain Research*, **1999**, 836, 190-3	3.7	29
16	Effect of ZTTA, a prolyl endopeptidase inhibitor, on memory impairment in a passive avoidance test of rats with basal forebrain lesions. *Pharmaceutical Research*, **1998**, 15, 1907-10	4.5	14
15	Light-induced resetting of a mammalian circadian clock is associated with rapid induction of the mPer1 transcript. *Cell*, **1997**, 91, 1043-53	56.2	732
14	Effect of the noncompetitive N-methyl-D-aspartate (NMDA) receptor antagonist MK-801 on food-anticipatory activity rhythm in the rat. *Physiology and Behavior*, **1996**, 59, 585-9	3.5	20
13	Adenosine A1-receptor agonist attenuates the light-induced phase shifts and fos expression in vivo and optic nerve stimulation-evoked field potentials in the suprachiasmatic nucleus in vitro. *Brain Research*, **1996**, 740, 329-36	3.7	26
12	Neurochemical organization of circadian rhythm in the suprachiasmatic nucleus. *Neuroscience Research*, **1994**, 20, 109-30	2.9	174
11	Aging impairs methamphetamine-induced free-running and anticipatory locomotor activity rhythms in rats. *Neuroscience Letters*, **1994**, 172, 107-10	3.3	20
10	Age-related impairment of food anticipatory locomotor activity in rats. *Physiology and Behavior*, **1994**, 55, 875-8	3.5	31
9	GABAA receptor agonist muscimol can reset the phase of neural activity rhythm in the rat suprachiasmatic nucleus in vitro. *Neuroscience Letters*, **1994**, 166, 81-4	3.3	45
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7	Effect of substance P on circadian rhythms of firing activity and the 2-deoxyglucose uptake in the rat suprachiasmatic nucleus in vitro. *Brain Research*, **1992**, 597, 257-63	3.7	64
6	Effects of 5-HT1A receptor agonists on the circadian rhythm of wheel-running activity in hamsters. *European Journal of Pharmacology*, **1992**, 214, 79-84	5.3	149
5	The role of calcium ions in circadian rhythm of suprachiasmatic nucleus neuron activity in rat hypothalamic slices. *Neuroscience Letters*, **1984**, 52, 181-4	3.3	39
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3	Physical and Inflammatory Stressors Elevate Circadian Clock Gene mPer1 mRNA Levels in the Paraventricular Nucleus of the Mouse		26
2	Distribution of Dietary Protein Intake in Daily Meals Influences Skeletal Muscle Hypertrophy Via the Circadian Clock. *SSRN Electronic Journal*,	1	1
1	4□demethylnobiletin-rich fermented Citrus reticulata (ponkan) attenuated the disturbance in clock gene expression and locomotor activity rhythms caused by high-fat diet feeding. *Biological Rhythm Research*,1-14	0.8	