

Shigenobu Shibata

List of Publications by Citations

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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	Light-induced resetting of a mammalian circadian clock is associated with rapid induction of the mPer1 transcript. <i>Cell</i> , 1997 , 91, 1043-53	56.2	732
177	Restricted feeding entrains liver clock without participation of the suprachiasmatic nucleus. <i>Genes To Cells</i> , 2001 , 6, 269-78	2.3	426
176	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. <i>European Journal of Neuroscience</i> , 2001 , 13, 1190-6	3.5	258
175	Inhibition of light- or glutamate-induced mPer1 expression represses the phase shifts into the mouse circadian locomotor and suprachiasmatic firing rhythms. <i>Journal of Neuroscience</i> , 1999 , 19, 1115-21	6.6	243
174	Adrenergic regulation of clock gene expression in mouse liver. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 6795-800	11.5	223
173	Crosstalk between the circadian clock circuitry and the immune system. <i>Chronobiology International</i> , 2013 , 30, 870-88	3.6	189
172	Neurochemical organization of circadian rhythm in the suprachiasmatic nucleus. <i>Neuroscience Research</i> , 1994 , 20, 109-30	2.9	174
171	Nonphotic entrainment by 5-HT1A/7 receptor agonists accompanied by reduced Per1 and Per2 mRNA levels in the suprachiasmatic nuclei. <i>Journal of Neuroscience</i> , 2000 , 20, 5867-73	6.6	169
170	Reduced food anticipatory activity in genetically orexin (hypocretin) neuron-ablated mice. <i>European Journal of Neuroscience</i> , 2004 , 20, 3054-62	3.5	150
169	Effects of 5-HT1A receptor agonists on the circadian rhythm of wheel-running activity in hamsters. <i>European Journal of Pharmacology</i> , 1992 , 214, 79-84	5.3	149
168	In vivo monitoring of peripheral circadian clocks in the mouse. <i>Current Biology</i> , 2012 , 22, 1029-34	6.3	144
167	Circadian rhythms of liver physiology and disease: experimental and clinical evidence. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2016 , 13, 217-26	24.2	130
166	Circadian profile of Per gene mRNA expression in the suprachiasmatic nucleus, paraventricular nucleus, and pineal body of aged rats. <i>Journal of Neuroscience Research</i> , 2001 , 66, 1133-9	4.4	126
165	Chronobiology and nutrition. <i>Neuroscience</i> , 2013 , 253, 78-88	3.9	116
164	Gut Microbiota-Derived Short Chain Fatty Acids Induce Circadian Clock Entrainment in Mouse Peripheral Tissue. <i>Scientific Reports</i> , 2018 , 8, 1395	4.9	114
163	The dorsomedial hypothalamic nucleus is not necessary for food-anticipatory circadian rhythms of behavior, temperature or clock gene expression in mice. <i>European Journal of Neuroscience</i> , 2009 , 29, 1447-60	3.5	102
162	Phase-resetting effect of 8-OH-DPAT, a serotonin1A receptor agonist, on the circadian rhythm of firing rate in the rat suprachiasmatic nuclei in vitro. <i>Brain Research</i> , 1992 , 582, 353-6	3.7	100

161	Methamphetamine-induced, suprachiasmatic nucleus-independent circadian rhythms of activity and mPer gene expression in the striatum of the mouse. <i>European Journal of Neuroscience</i> , 2002 , 16, 921-9	3.5	99
160	Gastrin-releasing peptide mediates photic entrainable signals to dorsal subsets of suprachiasmatic nucleus via induction of Period gene in mice. <i>Molecular Pharmacology</i> , 2002 , 61, 26-34	4.3	98
159	The mammalian circadian clock and its entrainment by stress and exercise. <i>Journal of Physiological Sciences</i> , 2017 , 67, 1-10	2.3	95
158	Refeeding after fasting elicits insulin-dependent regulation of Per2 and Rev-erb α with shifts in the liver clock. <i>Journal of Biological Rhythms</i> , 2011 , 26, 230-40	3.2	92
157	Effect of lithium on the circadian rhythms of locomotor activity and glycogen synthase kinase-3 protein expression in the mouse suprachiasmatic nuclei. <i>European Journal of Neuroscience</i> , 2004 , 19, 2281-7	3.5	90
156	Sensitized increase of period gene expression in the mouse caudate/putamen caused by repeated injection of methamphetamine. <i>Molecular Pharmacology</i> , 2001 , 59, 894-900	4.3	85
155	Entrainment of the mouse circadian clock by sub-acute physical and psychological stress. <i>Scientific Reports</i> , 2015 , 5, 11417	4.9	82
154	View of a mouse clock gene ticking. <i>Nature</i> , 2001 , 409, 684	50.4	82
153	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. <i>Molecular Pharmacology</i> , 2000 , 58, 1554-62	4.3	76
152	Meal frequency patterns determine the phase of mouse peripheral circadian clocks. <i>Scientific Reports</i> , 2012 , 2, 711	4.9	75
151	The adjustment and manipulation of biological rhythms by light, nutrition, and abused drugs. <i>Advanced Drug Delivery Reviews</i> , 2010 , 62, 918-27	18.5	71
150	Altered food-anticipatory activity rhythm in Cryptochrome-deficient mice. <i>Neuroscience Research</i> , 2005 , 52, 166-73	2.9	69
149	A balanced diet is necessary for proper entrainment signals of the mouse liver clock. <i>PLoS ONE</i> , 2009 , 4, e6909	3.7	68
148	Expression of the Per1 gene in the hamster: Brain atlas and circadian characteristics in the suprachiasmatic nucleus. <i>Journal of Comparative Neurology</i> , 2001 , 430, 518-532	3.4	66
147	Responses of suprachiasmatic nucleus neurons to optic nerve stimulation in rat hypothalamic slice preparation. <i>Brain Research</i> , 1984 , 302, 83-9	3.7	66
146	Effect of substance P on circadian rhythms of firing activity and the 2-deoxyglucose uptake in the rat suprachiasmatic nucleus in vitro. <i>Brain Research</i> , 1992 , 597, 257-63	3.7	64
145	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. <i>PLoS ONE</i> , 2014 , 9, e98016	3.7	63
144	Attenuating effect of clock mutation on triglyceride contents in the ICR mouse liver under a high-fat diet. <i>Journal of Biological Rhythms</i> , 2007 , 22, 312-23	3.2	62

143	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. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 299, G1045-53	5.1	61
142	Differential daily expression of Per1 and Per2 mRNA in the suprachiasmatic nucleus of fetal and early postnatal mice. <i>European Journal of Neuroscience</i> , 2001 , 13, 687-93	3.5	60
141	Circadian regulation of allergic reactions by the mast cell clock in mice. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 133, 568-75	11.5	59
140	PPARalpha is a potential therapeutic target of drugs to treat circadian rhythm sleep disorders. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 357, 679-82	3.4	59
139	Entrainment of the mouse circadian clock: Effects of stress, exercise, and nutrition. <i>Free Radical Biology and Medicine</i> , 2018 , 119, 129-138	7.8	55
138	Melatonin modulates the light-induced sympathoexcitation and vagal suppression with participation of the suprachiasmatic nucleus in mice. <i>Journal of Physiology</i> , 2003 , 547, 317-32	3.9	54
137	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. <i>Journal of Circadian Rhythms</i> , 2012 , 10, 4	2.5	51
136	Potent Effects of Flavonoid Nobiletin on Amplitude, Period, and Phase of the Circadian Clock Rhythm in PER2::LUCIFERASE Mouse Embryonic Fibroblasts. <i>PLoS ONE</i> , 2017 , 12, e0170904	3.7	51
135	Forced rather than voluntary exercise entrains peripheral clocks via a corticosterone/noradrenaline increase in PER2::LUC mice. <i>Scientific Reports</i> , 2016 , 6, 27607	4.9	51
134	The Role of Circadian Rhythms in Muscular and Osseous Physiology and Their Regulation by Nutrition and Exercise. <i>Frontiers in Neuroscience</i> , 2017 , 11, 63	5.1	47
133	Restricted feeding induces daily expression of clock genes and Pai-1 mRNA in the heart of Clock mutant mice. <i>FEBS Letters</i> , 2002 , 526, 115-8	3.8	47
132	GABAA receptor agonist muscimol can reset the phase of neural activity rhythm in the rat suprachiasmatic nucleus in vitro. <i>Neuroscience Letters</i> , 1994 , 166, 81-4	3.3	45
131	Effects of caffeine on circadian phase, amplitude and period evaluated in cells in vitro and peripheral organs in vivo in PER2::LUCIFERASE mice. <i>British Journal of Pharmacology</i> , 2014 , 171, 5858-69	8.6	43
130	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. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33028-33036	5.4	43
129	Age-related circadian disorganization caused by sympathetic dysfunction in peripheral clock regulation. <i>Npj Aging and Mechanisms of Disease</i> , 2017 , 3, 16030	5.5	42
128	Inhibitory action of brotizolam on circadian and light-induced per1 and per2 expression in the hamster suprachiasmatic nucleus. <i>British Journal of Pharmacology</i> , 2000 , 131, 1739-47	8.6	41
127	Phase-resetting response to (+)8-OH-DPAT, a serotonin 1A/7 receptor agonist, in the mouse in vivo. <i>Neuroscience Letters</i> , 2004 , 368, 130-4	3.3	40
126	Involvement of glial fibrillary acidic protein (GFAP) expressed in astroglial cells in circadian rhythm under constant lighting conditions in mice. <i>Journal of Neuroscience Research</i> , 2000 , 60, 212-8	4.4	40

125	Circadian Gene Clock Regulates Psoriasis-Like Skin Inflammation in Mice. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 3001-3008	4.3	39
124	Chrono-biology, chrono-pharmacology, and chrono-nutrition. <i>Journal of Pharmacological Sciences</i> , 2014 , 124, 320-35	3.7	39
123	Daily injection of insulin attenuated impairment of liver circadian clock oscillation in the streptozotocin-treated diabetic mouse. <i>FEBS Letters</i> , 2004 , 572, 206-10	3.8	39
122	The role of calcium ions in circadian rhythm of suprachiasmatic nucleus neuron activity in rat hypothalamic slices. <i>Neuroscience Letters</i> , 1984 , 52, 181-4	3.3	39
121	Calcium and pituitary adenylate cyclase-activating polypeptide induced expression of circadian clock gene mPer1 in the mouse cerebellar granule cell culture. <i>Journal of Neurochemistry</i> , 2001 , 78, 499-508	6	38
120	Time-dependent inhibitory effect of lipopolysaccharide injection on Per1 and Per2 gene expression in the mouse heart and liver. <i>Chronobiology International</i> , 2010 , 27, 213-32	3.6	37
119	Fish Oil Accelerates Diet-Induced Entrainment of the Mouse Peripheral Clock via GPR120. <i>PLoS ONE</i> , 2015 , 10, e0132472	3.7	37
118	Clock mutation facilitates accumulation of cholesterol in the liver of mice fed a cholesterol and/or cholic acid diet. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008 , 294, E120-30	6	36
117	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. <i>Endocrinology</i> , 2007 , 148, 3316-26	4.8	36
116	Inhibition of IgE-mediated allergic reactions by pharmacologically targeting the circadian clock. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 1226-1235	11.5	34
115	Impairment of Circadian Rhythms in Peripheral Clocks by Constant Light Is Partially Reversed by Scheduled Feeding or Exercise. <i>Journal of Biological Rhythms</i> , 2015 , 30, 533-42	3.2	33
114	Effect of chronic ethanol exposure on the liver of Clock-mutant mice. <i>Journal of Circadian Rhythms</i> , 2009 , 7, 4	2.5	31
113	Age-related impairment of food anticipatory locomotor activity in rats. <i>Physiology and Behavior</i> , 1994 , 55, 875-8	3.5	31
112	Modulation of mPer1 gene expression by anxiolytic drugs in mouse cerebellum. <i>British Journal of Pharmacology</i> , 1999 , 128, 1616-22	8.6	30
111	Bile acid-regulated peroxisome proliferator-activated receptor- α activity underlies circadian expression of intestinal peptide absorption transporter PepT1/Slc15a1. <i>Journal of Biological Chemistry</i> , 2014 , 289, 25296-305	5.4	29
110	Involvement of glutamate release in substance P-induced phase delays of suprachiasmatic neuron activity rhythm in vitro. <i>Brain Research</i> , 1999 , 836, 190-3	3.7	29
109	Effects of Meal Timing on Postprandial Glucose Metabolism and Blood Metabolites in Healthy Adults. <i>Nutrients</i> , 2018 , 10,	6.7	29
108	Effects of medial hypothalamic lesions on feeding-induced entrainment of locomotor activity and liver Per2 expression in Per2::luc mice. <i>Journal of Biological Rhythms</i> , 2010 , 25, 9-18	3.2	28

107	Neural regulation of the hepatic circadian rhythm. <i>The Anatomical Record</i> , 2004 , 280, 901-9		28
106	Combination of meal and exercise timing with a high-fat diet influences energy expenditure and obesity in mice. <i>Chronobiology International</i> , 2014 , 31, 959-75	3.6	26
105	Time-restricted feeding of rapidly digested starches causes stronger entrainment of the liver clock in PER2::LUCIFERASE knock-in mice. <i>Nutrition Research</i> , 2013 , 33, 109-19	4	26
104	Circadian clock-dependent increase in salivary IgA secretion modulated by sympathetic receptor activation in mice. <i>Scientific Reports</i> , 2017 , 7, 8802	4.9	26
103	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. <i>European Journal of Neuroscience</i> , 2000 , 12, 3307-14	3.5	26
102	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. <i>Brain Research</i> , 1996 , 740, 329-36	3.7	26
101	Physical and Inflammatory Stressors Elevate Circadian Clock Gene mPer1 mRNA Levels in the Paraventricular Nucleus of the Mouse		26
100	Regulation of plasma histamine levels by the mast cell clock and its modulation by stress. <i>Scientific Reports</i> , 2017 , 7, 39934	4.9	24
99	Glucagon and/or IGF-1 Production Regulates Resetting of the Liver Circadian Clock in Response to a Protein or Amino Acid-only Diet. <i>EBioMedicine</i> , 2018 , 28, 210-224	8.8	24
98	Chronotype and social jetlag influence human circadian clock gene expression. <i>Scientific Reports</i> , 2018 , 8, 10152	4.9	21
97	Circadian rhythms in the CNS and peripheral clock disorders: the circadian clock and hyperlipidemia. <i>Journal of Pharmacological Sciences</i> , 2007 , 103, 139-43	3.7	20
96	Extended action of MKC-242, a selective 5-HT(1A) receptor agonist, on light-induced Per gene expression in the suprachiasmatic nucleus in mice. <i>Journal of Neuroscience Research</i> , 2002 , 68, 470-8	4.4	20
95	Effect of the noncompetitive N-methyl-D-aspartate (NMDA) receptor antagonist MK-801 on food-anticipatory activity rhythm in the rat. <i>Physiology and Behavior</i> , 1996 , 59, 585-9	3.5	20
94	Aging impairs methamphetamine-induced free-running and anticipatory locomotor activity rhythms in rats. <i>Neuroscience Letters</i> , 1994 , 172, 107-10	3.3	20
93	Potent synchronization of peripheral circadian clocks by glucocorticoid injections in PER2::LUC-Clock/Clock mice. <i>Chronobiology International</i> , 2017 , 34, 1067-1082	3.6	19
92	Feeding and adrenal entrainment stimuli are both necessary for normal circadian oscillation of peripheral clocks in mice housed under different photoperiods. <i>Chronobiology International</i> , 2015 , 32, 195-210	3.6	19
91	Clock-dependent temporal regulation of IL-33/ST2-mediated mast cell response. <i>Allergology International</i> , 2017 , 66, 472-478	4.4	18
90	Phase shifts in circadian peripheral clocks caused by exercise are dependent on the feeding schedule in PER2::LUC mice. <i>Chronobiology International</i> , 2016 , 33, 849-62	3.6	18

89	MAP kinase-dependent induction of clock gene expression by alpha 1-adrenergic receptor activation. <i>FEBS Letters</i> , 2003 , 542, 109-14	3.8	17
88	Nonphotic entrainment of the circadian body temperature rhythm by the selective ORL1 receptor agonist W-212393 in rats. <i>British Journal of Pharmacology</i> , 2005 , 146, 33-40	8.6	17
87	The Timing Effects of Soy Protein Intake on Mice Gut Microbiota. <i>Nutrients</i> , 2019 , 12,	6.7	17
86	Time-of-Day-Dependent Physiological Responses to Meal and Exercise. <i>Frontiers in Nutrition</i> , 2020 , 7, 18	6.2	16
85	Controlling access time to a high-fat diet during the inactive period protects against obesity in mice. <i>Chronobiology International</i> , 2014 , 31, 935-44	3.6	16
84	Warm water bath stimulates phase-shifts of the peripheral circadian clocks in PER2::LUCIFERASE mouse. <i>PLoS ONE</i> , 2014 , 9, e100272	3.7	16
83	Effects of timing of acute catechin-rich green tea ingestion on postprandial glucose metabolism in healthy men. <i>Journal of Nutritional Biochemistry</i> , 2019 , 73, 108221	6.3	15
82	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. <i>Sleep Medicine</i> , 2015 , 16, 1352-1359	4.6	15
81	l-Ornithine affects peripheral clock gene expression in mice. <i>Scientific Reports</i> , 2016 , 6, 34665	4.9	15
80	Entrainment of mouse peripheral circadian clocks to . <i>Scientific Reports</i> , 2015 , 5, 14207	4.9	15
79	Disruption of the suprachiasmatic nucleus blunts a time of day-dependent variation in systemic anaphylactic reaction in mice. <i>Journal of Immunology Research</i> , 2014 , 2014, 474217	4.5	15
78	Differential effect of lithium on the circadian oscillator in young and old hamsters. <i>Biochemical and Biophysical Research Communications</i> , 2007 , 354, 752-6	3.4	15
77	Social jetlag and menstrual symptoms among female university students. <i>Chronobiology International</i> , 2019 , 36, 258-264	3.6	15
76	Leucine restores murine hepatic triglyceride accumulation induced by a low-protein diet by suppressing autophagy and excessive endoplasmic reticulum stress. <i>Amino Acids</i> , 2016 , 48, 1013-1021	3.5	14
75	Effect of quetiapine on Per1, Per2, and Bmal1 clock gene expression in the mouse amygdala and hippocampus. <i>Journal of Pharmacological Sciences</i> , 2014 , 125, 329-32	3.7	14
74	Effect of ZTTA, a prolyl endopeptidase inhibitor, on memory impairment in a passive avoidance test of rats with basal forebrain lesions. <i>Pharmaceutical Research</i> , 1998 , 15, 1907-10	4.5	14
73	The circadian clock controls fluctuations of colonic cell proliferation during the light/dark cycle via feeding behavior in mice. <i>Chronobiology International</i> , 2015 , 32, 1145-55	3.6	13
72	The circadian clock is disrupted in mice with adenine-induced tubulointerstitial nephropathy. <i>Kidney International</i> , 2020 , 97, 728-740	9.9	13

71	Age-dependent motor dysfunction due to neuron-specific disruption of stress-activated protein kinase MKK7. <i>Scientific Reports</i> , 2017 , 7, 7348	4.9	13
70	Antigen exposure in the late light period induces severe symptoms of food allergy in an OVA-allergic mouse model. <i>Scientific Reports</i> , 2015 , 5, 14424	4.9	13
69	Attenuated food anticipatory activity and abnormal circadian locomotor rhythms in Rgs16 knockdown mice. <i>PLoS ONE</i> , 2011 , 6, e17655	3.7	13
68	Eurotium Cristatum Fermented Okara as a Potential Food Ingredient to Combat Diabetes. <i>Scientific Reports</i> , 2019 , 9, 17536	4.9	13
67	Mice Microbiota Composition Changes by Inulin Feeding with a Long Fasting Period under a Two-Meals-Per-Day Schedule. <i>Nutrients</i> , 2019 , 11,	6.7	13
66	Acetylcholinesterase (AChE) inhibition aggravates fasting-induced triglyceride accumulation in the mouse liver. <i>FEBS Open Bio</i> , 2014 , 4, 905-14	2.7	12
65	Positive association between physical activity and PER3 expression in older adults. <i>Scientific Reports</i> , 2017 , 7, 39771	4.9	11
64	Night eating model shows time-specific depression-like behavior in the forced swimming test. <i>Scientific Reports</i> , 2018 , 8, 1081	4.9	11
63	Different Roles of Negative and Positive Components of the Circadian Clock in Oncogene-induced Neoplastic Transformation. <i>Journal of Biological Chemistry</i> , 2016 , 291, 10541-50	5.4	11
62	Day-Night Oscillation of Atrogin1 and Timing-Dependent Preventive Effect of Weight-Bearing on Muscle Atrophy. <i>EBioMedicine</i> , 2018 , 37, 499-508	8.8	11
61	Effect of Dose and Timing of Burdock () Root Intake on Intestinal Microbiota of Mice. <i>Microorganisms</i> , 2020 , 8,	4.9	10
60	2,2,2-Tribromoethanol phase-shifts the circadian rhythm of the liver clock in Per2::Luciferase knockin mice: lack of dependence on anesthetic activity. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2012 , 340, 698-705	4.7	10
59	Distribution of dietary protein intake in daily meals influences skeletal muscle hypertrophy via the muscle clock. <i>Cell Reports</i> , 2021 , 36, 109336	10.6	9
58	Changes in sleep phase and body weight of mobile health App users during COVID-19 mild lockdown in Japan. <i>International Journal of Obesity</i> , 2021 , 45, 2277-2280	5.5	8
57	Anxiolytic effects of Ebryzanol in chronically- stressed mice are related to monoamine levels in the brain. <i>Life Sciences</i> , 2019 , 216, 119-128	6.8	8
56	Screen time duration and timing: effects on obesity, physical activity, dry eyes, and learning ability in elementary school children. <i>BMC Public Health</i> , 2021 , 21, 422	4.1	8
55	A randomized, double-blind and placebo-controlled crossover trial on the effect of l-ornithine ingestion on the human circadian clock. <i>Chronobiology International</i> , 2018 , 35, 1445-1455	3.6	8
54	Effects of increased daily physical activity on mental health and depression biomarkers in postmenopausal women. <i>Journal of Physical Therapy Science</i> , 2019 , 31, 408-413	1	7

53	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. <i>Journal of Physiological Anthropology</i> , 2016 , 36, 3	2.5	7
52	The role of Clock in the plasticity of circadian entrainment. <i>Biochemical and Biophysical Research Communications</i> , 2004 , 318, 893-8	3.4	7
51	Crosstalk Among Circadian Rhythm, Obesity and Allergy. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	6
50	Effects of Timing of Acute and Consecutive Catechin Ingestion on Postprandial Glucose Metabolism in Mice and Humans. <i>Nutrients</i> , 2020 , 12,	6.7	6
49	A novel method to develop an animal model of depression using a small mobile robot. <i>Advanced Robotics</i> , 2013 , 27, 61-69	1.7	6
48	Effects of television luminance and wavelength at habitual bedtime on melatonin and cortisol secretion in humans. <i>Sleep and Biological Rhythms</i> , 2015 , 13, 316-322	1.3	6
47	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. <i>Neuroscience Research</i> , 2015 , 99, 16-21	2.9	6
46	Circadian rhythm and its association with birth and infant outcomes: research protocol of a prospective cohort study. <i>BMC Pregnancy and Childbirth</i> , 2020 , 20, 96	3.2	6
45	Intracellular-to-total water ratio explains the variability of muscle strength dependence on the size of the lower leg in the elderly. <i>Experimental Gerontology</i> , 2018 , 113, 120-127	4.5	6
44	Polyporus and Bupleuri radix effectively alter peripheral circadian clock phase acutely in male mice. <i>Nutrition Research</i> , 2017 , 43, 16-24	4	5
43	The effect of night shift work on the expression of clock genes in beard hair follicle cells. <i>Sleep Medicine</i> , 2019 , 56, 164-170	4.6	5
42	Effect of piceatannol on circadian Per2 expression in vitro and in vivo. <i>Journal of Functional Foods</i> , 2019 , 56, 49-56	5.1	5
41	Circadian clock component PERIOD2 regulates diurnal expression of Na/H exchanger regulatory factor-1 and its scaffolding function. <i>Scientific Reports</i> , 2018 , 8, 9072	4.9	5
40	Circadian rhythm and exercise. <i>The Journal of Physical Fitness and Sports Medicine</i> , 2014 , 3, 65-72	0.5	5
39	The role of GABAergic neuron on NMDA- and SP-induced phase delays in the suprachiasmatic nucleus neuronal activity rhythm in vitro. <i>Neuroscience Letters</i> , 2010 , 468, 344-7	3.3	5
38	Administration timing and duration-dependent effects of sesamin isomers on lipid metabolism in rats. <i>Chronobiology International</i> , 2020 , 37, 493-509	3.6	5
37	Systemic oscillator-driven and nutrient-responsive hormonal regulation of daily expression rhythms for gluconeogenic enzyme genes in the mouse liver. <i>Chronobiology International</i> , 2019 , 36, 591-615	3.6	4
36	Eating meals before wheel-running exercise attenuate high fat diet-driven obesity in mice under two meals per day schedule. <i>Chronobiology International</i> , 2015 , 32, 677-86	3.6	4

35	Gamma Oryzanol Alleviates High-Fat Diet-Induced Anxiety-Like Behaviors Through Downregulation of Dopamine and Inflammation in the Amygdala of Mice. <i>Frontiers in Pharmacology</i> , 2020 , 11, 330	5.6	4
34	Combinatorial Effects of Soluble, Insoluble, and Organic Extracts from Jerusalem Artichokes on Gut Microbiota in Mice. <i>Microorganisms</i> , 2020 , 8,	4.9	4
33	A single daily meal at the beginning of the active or inactive period inhibits food deprivation-induced fatty liver in mice. <i>Nutrition Research</i> , 2014 , 34, 613-22	4	4
32	Restricted feeding-induced entrainment of activity rhythm and peripheral clock rhythm. <i>Sleep and Biological Rhythms</i> , 2010 , 8, 18-27	1.3	4
31	A low-protein diet eliminates the circadian rhythm of serum insulin and hepatic lipid metabolism in mice. <i>Journal of Nutritional Biochemistry</i> , 2019 , 63, 177-185	6.3	4
30	Expression of the Per1 gene in the hamster: Brain atlas and circadian characteristics in the suprachiasmatic nucleus 2001 , 430, 518		4
29	Association of body mass index-related single nucleotide polymorphisms with psychiatric disease and memory performance in a Japanese population. <i>Acta Neuropsychiatrica</i> , 2017 , 29, 299-308	3.9	3
28	Correlation among clock gene expression rhythms, sleep quality, and meal conditions in delayed sleep-wake phase disorder and night eating syndrome. <i>Chronobiology International</i> , 2019 , 36, 770-783	3.6	3
27	The Relationship between the Lunar Phase, Menstrual Cycle Onset and Subjective Sleep Quality among Women of Reproductive Age. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	3
26	Association between Irregular Meal Timing and the Mental Health of Japanese Workers. <i>Nutrients</i> , 2021 , 13,	6.7	3
25	Effect of different sources of dietary protein on muscle hypertrophy in functionally overloaded mice. <i>Biochemistry and Biophysics Reports</i> , 2019 , 20, 100686	2.2	2
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