

Toshiyuki Hamada

List of Publications by Year in descending order

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43
papers

1,440
citations

331670

21
h-index

330143

37
g-index

45
all docs

45
docs citations

45
times ranked

1150
citing authors

#	ARTICLE	IF	CITATIONS
1	Expression of <i>Period</i> Genes: Rhythmic and Nonrhythmic Compartments of the Suprachiasmatic Nucleus Pacemaker. <i>Journal of Neuroscience</i> , 2001, 21, 7742-7750.	3.6	215
2	Temporal and spatial expression patterns of canonical clock genes and clock-controlled genes in the suprachiasmatic nucleus. <i>European Journal of Neuroscience</i> , 2004, 19, 1741-1748.	2.6	120
3	Phase-resetting effect of 8-OH-DPAT, a serotonin _{1A} receptor agonist, on the circadian rhythm of firing rate in the rat suprachiasmatic nuclei in vitro. <i>Brain Research</i> , 1992, 582, 353-356.	2.2	107
4	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, 2281-2287.	2.6	103
5	The Localization of the Site of Arylalkylamine N-Acetyltransferase Circadian Expression in the Photoreceptor Cells of Mammalian Retina. <i>Biochemical and Biophysical Research Communications</i> , 1998, 248, 115-120.	2.1	76
6	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, 257-263.	2.2	69
7	Effects of nitric oxide synthase inhibitors on N-methyl-D-aspartate-induced phase delay of circadian rhythm of neuronal activity in the rat suprachiasmatic nucleus in vitro. <i>Brain Research</i> , 1994, 646, 161-164.	2.2	69
8	GABA _A receptor agonist muscimol can reset the phase of neural activity rhythm in the rat suprachiasmatic nucleus in vitro. <i>Neuroscience Letters</i> , 1994, 166, 81-84.	2.1	50
9	JNK regulates the photic response of the mammalian circadian clock. <i>EMBO Reports</i> , 2012, 13, 455-461.	4.5	50
10	The role of inositol trisphosphate-induced Ca ²⁺ release from IP ₃ -receptor in the rat suprachiasmatic nucleus on circadian entrainment mechanism. <i>Neuroscience Letters</i> , 1999, 263, 125-128.	2.1	47
11	In vivo imaging of clock gene expression in multiple tissues of freely moving mice. <i>Nature Communications</i> , 2016, 7, 11705.	12.8	44
12	Calbindin Influences Response to Photic Input in Suprachiasmatic Nucleus. <i>Journal of Neuroscience</i> , 2003, 23, 8820-8826.	3.6	43
13	The involvement of calmodulin and Ca ²⁺ /calmodulin-dependent protein kinase II in the circadian rhythms controlled by the suprachiasmatic nucleus. <i>Neuroscience Letters</i> , 1997, 227, 45-48.	2.1	41
14	The role of <i>Period1</i> in non-photic resetting of the hamster circadian pacemaker in the suprachiasmatic nucleus. <i>Neuroscience Letters</i> , 2004, 362, 87-90.	2.1	40
15	Targeted mutation of the calbindin D _{28K} gene disrupts circadian rhythmicity and entrainment. <i>European Journal of Neuroscience</i> , 2008, 27, 2907-2921.	2.6	34
16	Involvement of glutamate release in substance P-induced phase delays of suprachiasmatic neuron activity rhythm in vitro. <i>Brain Research</i> , 1999, 836, 190-193.	2.2	31
17	Adenosine A ₁ -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, 329-336.	2.2	28
18	Excitatory effect of and kainate receptor on the 2-deoxyglucose uptake in the rat suprachiasmatic nucleus in vitro. <i>Neuroscience Letters</i> , 1992, 139, 83-86.	2.1	27

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19	Circadian Rhythms in the Endocrine System. , 2002, , 33-91.		25
20	Involvement of vasoactive intestinal polypeptide in NMDA-induced phase delay of firing activity rhythm in the suprachiasmatic nucleus in vitro. Neuroscience and Biobehavioral Reviews, 1994, 18, 591-595.	6.1	24
21	The Expression of the Melatonin Synthesis Enzyme: ArylalkylamineN-Acetyltransferase in the Suprachiasmatic Nucleus of Rat Brain. Biochemical and Biophysical Research Communications, 1999, 258, 772-777.	2.1	22
22	Light responsiveness of clock genes, Per1 and Per2, in the olfactory bulb of mice. Biochemical and Biophysical Research Communications, 2011, 409, 727-731.	2.1	22
23	NMDA induced glutamate release from the suprachiasmatic nucleus: an in vitro study in the rat. Neuroscience Letters, 1998, 256, 93-96.	2.1	18
24	Differential effect of lithium on the circadian oscillator in young and old hamsters. Biochemical and Biophysical Research Communications, 2007, 354, 752-756.	2.1	16
25	An in vitro circadian rhythm of protein synthesis in the rat suprachiasmatic nucleus under tissue culture conditions. Brain Research, 1992, 584, 251-256.	2.2	13
26	Examination of DNA-binding activity of neuronal transcription factors by electrophoretical mobility shift assay. Brain Research Protocols, 1998, 2, 243-249.	1.6	13
27	Differential expression patterns of inositol trisphosphate receptor types 1 and 3 in the rat suprachiasmatic nucleus. Brain Research, 1999, 838, 131-135.	2.2	12
28	Heterogeneous Nuclear Ribonucleoprotein A3 Is the Liver Nuclear Protein Binding to Age Related Increase Element RNA of the Factor IX Gene. PLoS ONE, 2010, 5, e12971.	2.5	12
29	Role of p53 in the entrainment of mammalian circadian behavior rhythms. Genes To Cells, 2014, 19, 441-448.	1.2	11
30	Facilitation of 2-deoxyglucose uptake in rat cortex and hippocampus slices by somatostatin in independent of cholinergic activity. European Journal of Pharmacology, 1993, 231, 381-388.	3.5	9
31	Protein-synthesis inhibitor blocks (R,S)- α -amino-3-hydroxy-5-methylisoxazole-4-propionic acid (AMPA)- or substance P-induced phase shift of the circadian rhythm of neuronal activity in the rat suprachiasmatic nucleus in vitro. Neuroscience Letters, 1994, 168, 159-162.	2.1	9
32	The role of Clock in the plasticity of circadian entrainment. Biochemical and Biophysical Research Communications, 2004, 318, 893-898.	2.1	9
33	Stability of β -luciferin for bioluminescence to detect gene expression in freely moving mice for long durations. Luminescence, 2021, 36, 94-98.	2.9	6
34	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, 344-347.	2.1	5
35	Double recording system of Period1 gene expression rhythm in the olfactory bulb and liver in freely moving mouse. Biochemical and Biophysical Research Communications, 2020, 529, 898-903.	2.1	5
36	Mouse period1 gene expression recording from olfactory bulb under free moving conditions with a portable optic fibre device. Luminescence, 2020, 35, 1248-1253.	2.9	4

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37	Period1 gene expression in the olfactory bulb and liver of freely moving streptozotocin-treated diabetic mouse. <i>Biochemical and Biophysical Research Communications</i> , 2021, 560, 14-20.	2.1	3
38	3D Transformation Matrix Calculation and Pixel Intensity Normalization for the Dual Focus Tracking System. <i>Journal of Medical and Biological Engineering</i> , 2019, 39, 952-959.	1.8	2
39	The analysis of Period1 gene expression in vivo and in vitro using a micro PMT system. <i>Biochemical and Biophysical Research Communications</i> , 2021, 577, 64-70.	2.1	2
40	Diurnal regulation of a DNA binding protein to the period repeat sequence in the SCN nuclear extract of rat brain. <i>Molecular Brain Research</i> , 1999, 65, 211-215.	2.3	1
41	Age-related expression analysis of mouse liver nuclear protein binding to 3'-untranslated region of Period2 gene. <i>Journal of Physiological Sciences</i> , 2015, 65, 349-357.	2.1	1
42	Age-Related Homeostasis and Hemostatic System. , 2008, , 427-438.		1
43	Targeted mutation of the calbindin D28K gene disrupts circadian rhythmicity and entrainment. <i>European Journal of Neuroscience</i> , 2008, 28, 1030-1030.	2.6	0