

Shimon Amir

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122
papers

4,227
citations

35
h-index

61
g-index

155
ext. papers

4,611
ext. citations

4.9
avg, IF

5.63
L-index

#	Paper	IF	Citations
122	The role of endorphins in stress: evidence and speculations. <i>Neuroscience and Biobehavioral Reviews</i> , 1980 , 4, 77-86	9	296
121	Endogenous opioid ligands may mediate stress-induced changes in the affective properties of pain related behavior in rats. <i>Life Sciences</i> , 1978 , 23, 1143-51	6.8	247
120	The central and basolateral nuclei of the amygdala exhibit opposite diurnal rhythms of expression of the clock protein Period2. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 4180-4	11.5	200
119	The aging clock: circadian rhythms and later life. <i>Journal of Clinical Investigation</i> , 2017 , 127, 437-446	15.9	199
118	Endogenous dopamine regulates the rhythm of expression of the clock protein PER2 in the rat dorsal striatum via daily activation of D2 dopamine receptors. <i>Journal of Neuroscience</i> , 2010 , 30, 14046-58	6.6	170
117	The pituitary gland mediates acute and chronic pain responsiveness in stressed and non-stressed rats. <i>Life Sciences</i> , 1979 , 24, 439-48	6.8	161
116	A circadian rhythm in the expression of PERIOD2 protein reveals a novel SCN-controlled oscillator in the oval nucleus of the bed nucleus of the stria terminalis. <i>Journal of Neuroscience</i> , 2004 , 24, 781-90	6.6	139
115	Glucocorticoid rhythms control the rhythm of expression of the clock protein, Period2, in oval nucleus of the bed nucleus of the stria terminalis and central nucleus of the amygdala in rats. <i>Neuroscience</i> , 2006 , 140, 753-7	3.9	115
114	Translational control of entrainment and synchrony of the suprachiasmatic circadian clock by mTOR/4E-BP1 signaling. <i>Neuron</i> , 2013 , 79, 712-24	13.9	112
113	Resetting of the circadian clock by a conditioned stimulus. <i>Nature</i> , 1996 , 379, 542-5	50.4	84
112	The role of the intergeniculate leaflet in entrainment of circadian rhythms to a skeleton photoperiod. <i>Journal of Neuroscience</i> , 1999 , 19, 372-80	6.6	82
111	Daily restricted feeding rescues a rhythm of period2 expression in the arrhythmic suprachiasmatic nucleus. <i>Neuroscience</i> , 2005 , 132, 245-8	3.9	73
110	Stimulation of the paraventricular nucleus with glutamate activates interscapular brown adipose tissue thermogenesis in rats. <i>Brain Research</i> , 1990 , 508, 152-5	3.7	71
109	Neurodegeneration and the Circadian Clock. <i>Frontiers in Aging Neuroscience</i> , 2017 , 9, 170	5.3	69
108	Circadian modulation of fos responses to odor of the red fox, a rodent predator, in the rat olfactory system. <i>Brain Research</i> , 2000 , 866, 262-7	3.7	68
107	Intra-ventromedial hypothalamic injection of glutamate stimulates brown adipose tissue thermogenesis in the rat. <i>Brain Research</i> , 1990 , 511, 341-4	3.7	64
106	The expression of the clock protein PER2 in the limbic forebrain is modulated by the estrous cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006 , 103, 5591-6	11.5	57

105	Blocking NMDA receptors or nitric oxide production disrupts light transmission to the suprachiasmatic nucleus. <i>Brain Research</i> , 1992 , 586, 336-9	3-7	57
104	Body pinch induces long lasting cataleptic like immobility in mice: behavioral characterization and the effect of naloxone. <i>Life Sciences</i> , 1981 , 28, 1189-94	6.8	57
103	Too Depressed to Swim or Too Afraid to Stop? A Reinterpretation of the Forced Swim Test as a Measure of Anxiety-Like Behavior. <i>Neuropsychopharmacology</i> , 2018 , 43, 931-933	8.7	56
102	Global depletion of dopamine using intracerebroventricular 6-hydroxydopamine injection disrupts normal circadian wheel-running patterns and PERIOD2 expression in the rat forebrain. <i>Journal of Molecular Neuroscience</i> , 2011 , 45, 162-71	3.3	54
101	Light-regulated translational control of circadian behavior by eIF4E phosphorylation. <i>Nature Neuroscience</i> , 2015 , 18, 855-62	25.5	53
100	Injection of prostaglandin E2 into the anterior hypothalamic preoptic area activates brown adipose tissue thermogenesis in the rat. <i>Brain Research</i> , 1990 , 528, 138-42	3.7	49
99	Glutamate injection into the suprachiasmatic nucleus stimulates brown fat thermogenesis in the rat. <i>Brain Research</i> , 1989 , 498, 140-4	3.7	47
98	NG-monomethyl-L-arginine co-injection attenuates the thermogenic and hyperthermic effects of E2 prostaglandin microinjection into the anterior hypothalamic preoptic area in rats. <i>Brain Research</i> , 1991 , 556, 157-60	3.7	46
97	Brain glucocorticoid receptors are necessary for the rhythmic expression of the clock protein, PERIOD2, in the central extended amygdala in mice. <i>Neuroscience Letters</i> , 2009 , 457, 58-60	3.3	45
96	Pinch-induced catalepsy in mice. <i>Journal of Comparative and Physiological Psychology</i> , 1981 , 95, 827-35		43
95	Inhibition of nitric oxide synthase does not block the development of sensitization to the behavioral activating effects of amphetamine. <i>Brain Research</i> , 1994 , 641, 141-4	3.7	42
94	Brain and liver aldehyde dehydrogenase activity and voluntary ethanol consumption by rats: relations to strain, sex, and age. <i>Psychopharmacology</i> , 1978 , 57, 97-102	4.7	41
93	Phase differences in expression of circadian clock genes in the central nucleus of the amygdala, dentate gyrus, and suprachiasmatic nucleus in the rat. <i>PLoS ONE</i> , 2014 , 9, e103309	3.7	38
92	In rats, odor-induced Fos in the olfactory pathways depends on the phase of the circadian clock. <i>Neuroscience Letters</i> , 1999 , 272, 175-8	3.3	37
91	Motivational Modulation of Rhythms of the Expression of the Clock Protein PER2 in the Limbic Forebrain. <i>Biological Psychiatry</i> , 2009 , 65, 829-34	7.9	36
90	Glucocorticoid regulation of clock gene expression in the mammalian limbic forebrain. <i>Journal of Molecular Neuroscience</i> , 2010 , 42, 168-75	3.3	36
89	Thyroidectomy alters the daily pattern of expression of the clock protein, PER2, in the oval nucleus of the bed nucleus of the stria terminalis and central nucleus of the amygdala in rats. <i>Neuroscience Letters</i> , 2006 , 407, 254-7	3.3	35
88	Involvement of endogenous opioids with forced swimming-induced immobility in mice. <i>Physiology and Behavior</i> , 1982 , 28, 249-51	3.5	35

87	Comprehensive mapping of regional expression of the clock protein PERIOD2 in rat forebrain across the 24-h day. <i>PLoS ONE</i> , 2013 , 8, e76391	3.7	34
86	Pinealectomy does not affect diurnal PER2 expression in the rat limbic forebrain. <i>Neuroscience Letters</i> , 2006 , 399, 147-50	3.3	33
85	Vanadate stimulates in vivo glucose uptake in brain and arrests food intake and body weight gain in rats. <i>Physiology and Behavior</i> , 1989 , 45, 1113-6	3.5	33
84	Activation of brown adipose tissue thermogenesis by chemical stimulation of the posterior hypothalamus. <i>Brain Research</i> , 1990 , 534, 303-8	3.7	31
83	Expression profiles of JunB and c-Fos proteins in the rat circadian system. <i>Brain Research</i> , 2000 , 870, 54-65	3.7	28
82	Constant light induces persistent Fos expression in rat intergeniculate leaflet. <i>Brain Research</i> , 1996 , 731, 221-5	3.7	28
81	Region-specific modulation of PER2 expression in the limbic forebrain and hypothalamus by nighttime restricted feeding in rats. <i>Neuroscience Letters</i> , 2008 , 440, 54-8	3.3	27
80	mTOR signaling in VIP neurons regulates circadian clock synchrony and olfaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E3296-E3304	11.5	26
79	Expression profiles of PER2 immunoreactivity within the shell and core regions of the rat suprachiasmatic nucleus: lack of effect of photic entrainment and disruption by constant light. <i>Journal of Molecular Neuroscience</i> , 2003 , 21, 133-47	3.3	26
78	Resetting the rat circadian clock by ultra-short light flashes. <i>Neuroscience Letters</i> , 1999 , 261, 159-62	3.3	26
77	Thyrotropin-releasing hormone (TRH) improves survival in anaphylactic shock: a central effect mediated by the sympatho-adrenomedullary beta-adrenoceptive system. <i>Brain Research</i> , 1984 , 298, 219-24	3.7	26
76	Catalepsy induced by body pinch: relation to stress-induced analgesia. <i>Annals of the New York Academy of Sciences</i> , 1986 , 467, 226-37	6.5	26
75	Circadian influences on dopamine circuits of the brain: regulation of striatal rhythms of clock gene expression and implications for psychopathology and disease. <i>F1000Research</i> , 2016 , 5,	3.6	26
74	Photic entrainment and induction of immediate-early genes within the rat circadian system. <i>Brain Research</i> , 1999 , 821, 95-100	3.7	25
73	The eIF2Kinase GCN2 Modulates Period and Rhythmicity of the Circadian Clock by Translational Control of Atf4. <i>Neuron</i> , 2019 , 104, 724-735.e6	13.9	24
72	Glucocorticoids and Stress-Induced Changes in the Expression of PERIOD1 in the Rat Forebrain. <i>PLoS ONE</i> , 2015 , 10, e0130085	3.7	24
71	Daily morphine injection and withdrawal disrupt 24-h wheel running and PERIOD2 expression patterns in the rat limbic forebrain. <i>Neuroscience</i> , 2011 , 186, 65-75	3.9	24
70	Exogenous corticosterone induces the expression of the clock protein, PERIOD2, in the oval nucleus of the bed nucleus of the stria terminalis and the central nucleus of the amygdala of adrenalectomized and intact rats. <i>Journal of Molecular Neuroscience</i> , 2010 , 42, 176-82	3.3	24

69	Effects of hyperprolactinaemia on core temperature of the rat. <i>Brain Research Bulletin</i> , 1984 , 12, 355-8	3.9	24
68	Central glucagon-induced hyperglycemia is mediated by combined activation of the adrenal medulla and sympathetic nerve endings. <i>Physiology and Behavior</i> , 1986 , 37, 563-6	3.5	24
67	Retinohypothalamic tract stimulation activates thermogenesis in brown adipose tissue in the rat. <i>Brain Research</i> , 1989 , 503, 163-6	3.7	23
66	Stress-induced changes in the expression of the clock protein PERIOD1 in the rat limbic forebrain and hypothalamus: role of stress type, time of day, and predictability. <i>PLoS ONE</i> , 2014 , 9, e111166	3.7	22
65	Nucleus-specific effects of meal duration on daily profiles of Period1 and Period2 protein expression in rats housed under restricted feeding. <i>Neuroscience</i> , 2011 , 192, 304-11	3.9	21
64	Circadian rhythms of PERIOD1 expression in the dorsomedial hypothalamic nucleus in the absence of entrained food-anticipatory activity rhythms in rats. <i>European Journal of Neuroscience</i> , 2009 , 29, 2217-22	3.5	21
63	Fos expression in rat visual cortex induced by ocular input of ultraviolet light. <i>Brain Research</i> , 1996 , 716, 213-8	3.7	21
62	Variable restricted feeding disrupts the daily oscillations of Period2 expression in the limbic forebrain and dorsal striatum in rats. <i>Journal of Molecular Neuroscience</i> , 2012 , 46, 258-64	3.3	20
61	Lactation reduces Fos induction in the paraventricular and supraoptic nuclei of the hypothalamus after urethane administration in rats. <i>Brain Research</i> , 1997 , 752, 319-23	3.7	20
60	Beneficial effect of i.c.v. naloxone in anaphylactic shock is mediated through peripheral beta-adrenoceptive mechanisms. <i>Brain Research</i> , 1984 , 290, 191-4	3.7	20
59	Antianaphylactic effect of naloxone in mice is mediated by increased central sympathetic outflow to sympathetic nerve endings and adrenal medulla. <i>Brain Research</i> , 1983 , 274, 180-3	3.7	19
58	Conditioning in the circadian system. <i>Chronobiology International</i> , 1998 , 15, 447-56	3.6	18
57	Centrally mediated hypoglycemic effect of insulin: apparent involvement of specific insulin receptors. <i>Brain Research</i> , 1987 , 418, 152-6	3.7	18
56	Regulation of opiate receptors in mouse brain: arcuate nuclear lesion induces receptor up-regulation and supersensitivity to opiates. <i>Brain Research</i> , 1983 , 262, 168-71	3.7	17
55	A blocker of nitric oxide synthase, NG-nitro-L-arginine methyl ester, attenuates light-induced Fos protein expression in rat suprachiasmatic nucleus. <i>Neuroscience Letters</i> , 1997 , 224, 29-32	3.3	16
54	Biological Clocks and Rhythms of Anger and Aggression. <i>Frontiers in Behavioral Neuroscience</i> , 2018 , 12, 4	3.5	15
53	Intra-ventromedial hypothalamic injection of insulin suppresses brown fat thermogenesis in the anaesthetized rat. <i>Brain Research</i> , 1989 , 480, 340-3	3.7	15
52	The use of post-binding agents in studying insulin action and its relation to experimental diabetes. <i>Biochemical Pharmacology</i> , 1988 , 37, 1891-6	6	15

51	Thyrotropin-releasing hormone blocks neurally-mediated hyperglycemia through central action. <i>Peptides</i> , 1988 , 9, 31-5	3.8	15
50	Anti-anaphylactic action in the mouse of thyrotropin-releasing hormone (TRH) is mediated through beta 1-adrenoceptive effectors. <i>Neuroscience Letters</i> , 1984 , 46, 127-30	3.3	15
49	Behavioral and hormonal regulation of expression of the clock protein, PER2, in the central extended amygdala. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2009 , 33, 1321-8	5.5	14
48	Activation of brown adipose tissue thermogenesis by chemical stimulation of the hypothalamic supraoptic nucleus. <i>Brain Research</i> , 1991 , 563, 349-52	3.7	14
47	Central thyrotropin-releasing hormone elicits systemic hypoglycemia in mice. <i>Brain Research</i> , 1985 , 344, 387-91	3.7	14
46	Ventral hypothalamic lesions block the consumption of morphine in rats. <i>Life Sciences</i> , 1973 , 13, 805-16	6.8	14
45	Diurnal influences on electrophysiological oscillations and coupling in the dorsal striatum and cerebellar cortex of the anesthetized rat. <i>Frontiers in Systems Neuroscience</i> , 2014 , 8, 145	3.5	13
44	Conditioned fear attenuates light-induced suppression of melatonin release in rats. <i>Physiology and Behavior</i> , 1999 , 67, 623-6	3.5	13
43	Electrical stimulation and lesions of the medial forebrain bundle of the rat: changes in voluntary ethanol consumption and brain aldehyde dehydrogenase activity. <i>Psychopharmacology</i> , 1978 , 57, 167-74	4.7	13
42	N-Methyl-D-aspartate receptor-mediated signaling in the supraoptic nucleus involves activation of a nitric oxide-dependent pathway. <i>Brain Research</i> , 1994 , 645, 330-4	3.7	12
41	The effects of prostaglandin E2 injected into the paraventricular nucleus of the hypothalamus on brown adipose tissue thermogenesis in spontaneously hypertensive rats. <i>Brain Research</i> , 1993 , 613, 285-7	3.7	12
40	Insulin co-injection suppresses the thermogenic response to glutamate microinjection into the VMH in rats. <i>Brain Research</i> , 1990 , 527, 326-9	3.7	12
39	Increased amphetamine potency following chronic naltrexone administration in rats. <i>Life Sciences</i> , 1979 , 25, 1407-12	6.8	12
38	Endogenous opioids interact in stress-induced hyperglycemia in mice. <i>Physiology and Behavior</i> , 1982 , 28, 575-7	3.5	12
37	Melanopsin in the circadian timing system. <i>Journal of Molecular Neuroscience</i> , 2003 , 21, 73-89	3.3	11
36	Beneficial effect of gamma-endorphin-type peptides in anaphylactic shock. <i>Brain Research</i> , 1985 , 329, 329-33	3.7	11
35	Individual differences in circadian locomotor parameters correlate with anxiety- and depression-like behavior. <i>PLoS ONE</i> , 2017 , 12, e0181375	3.7	10
34	Thyrotropin-releasing hormone potently reverses epinephrine-stimulated hyperglycemia in mice. <i>Brain Research</i> , 1987 , 435, 112-22	3.7	9

33	Peripheral circadian clocks--a conserved phenotype?. <i>Chronobiology International</i> , 2013 , 30, 559-76	3.6	8
32	Variations in daily expression of the circadian clock protein, PER2, in the rat limbic forebrain during stable entrainment to a long light cycle. <i>Journal of Molecular Neuroscience</i> , 2011 , 45, 154-61	3.3	8
31	Vanadate ions: central nervous system action on glucoregulation. <i>Brain Research</i> , 1987 , 419, 392-6	3.7	8
30	Apparent involvement of protein kinase C in the central glucoregulatory action of insulin. <i>Brain Research</i> , 1988 , 450, 272-9	3.7	8
29	A simple and adjustable restraining apparatus for mice. <i>Physiology and Behavior</i> , 1981 , 26, 335-6	3.5	8
28	Mapping the co-localization of the circadian proteins PER2 and BMAL1 with enkephalin and substance P throughout the rodent forebrain. <i>PLoS ONE</i> , 2017 , 12, e0176279	3.7	7
27	Intra-hypothalamic injection of thyrotropin-releasing hormone suppresses brown fat thermogenesis in the anaesthetized rat. <i>Brain Research</i> , 1989 , 478, 361-4	3.7	7
26	Prevention of clonidine-stimulated hyperglycemia by thyrotropin-releasing hormone. <i>Peptides</i> , 1988 , 9, 527-31	3.8	7
25	Chronic naltrexone administration reverses the suppressive effect of crowding on body weight gain in rats. <i>Neuropharmacology</i> , 1979 , 18, 905-7	5.5	7
24	Modes of plasticity within the mammalian circadian system. <i>Progress in Brain Research</i> , 2002 , 138, 191-203	3.9	6
23	Opposite effects of restraint on morphine analgesia and naloxone-induced jumping. <i>Pharmacology Biochemistry and Behavior</i> , 1988 , 30, 905-10	3.9	6
22	Thyrotropin-releasing hormone (TRH) blocks glucagon-induced hyperglycemia in mice: dissociation of the antihyperglycemic and pituitary actions of TRH. <i>Brain Research</i> , 1988 , 455, 201-3	3.7	6
21	Morphine exacerbates anaphylactic shock in mice by stimulating central opiate receptors. <i>Neuroscience Letters</i> , 1983 , 40, 169-74	3.3	6
20	Opiate antagonists reverse the hypoactivity associated with systemic anaphylaxis in mice. <i>Pharmacology Biochemistry and Behavior</i> , 1984 , 20, 483-5	3.9	6
19	Naloxone improves, and morphine exacerbates, experimental shock induced by release of endogenous histamine by compound 48/80. <i>Brain Research</i> , 1984 , 297, 187-90	3.7	6
18	Glutamatergic antagonists do not attenuate light-induced fos protein in rat intergeniculate leaflet. <i>Brain Research</i> , 1998 , 810, 264-8	3.7	5
17	Thyrotropin-releasing hormone (TRH): insulin-like action on glucoregulation. <i>Biochemical Pharmacology</i> , 1988 , 37, 4245-51	6	5
16	Conditioned stimulus control in the circadian system: two tales tell one story. <i>Journal of Biological Rhythms</i> , 2000 , 15, 292-3; discussion 294-5	3.2	4

15	Immunological blockade of endogenous thyrotropin-releasing hormone impairs recovery from hyperglycemia in mice. <i>Brain Research</i> , 1988 , 462, 160-2	3.7	3
14	TPA (12-O-tetradecanoylphorbol-13-acetate) enhances the central hypoglycemic action of thyrotropin-releasing hormone in mice. <i>Brain Research</i> , 1988 , 450, 369-72	3.7	3
13	Behavioral response of the genetically obese (ob/ob) mouse to heat stress: effects of naloxone and prior exposure to immobilization stress. <i>Physiology and Behavior</i> , 1981 , 27, 249-53	3.5	3
12	From genes to chronotypes: the influence of circadian clock genes on our daily patterns of sleep and wakefulness. <i>Annals of Translational Medicine</i> , 2016 , 4, 184	3.2	3
11	Bmal1 in the striatum influences alcohol intake in a sexually dimorphic manner. <i>Communications Biology</i> , 2021 , 4, 1227	6.7	3
10	Circadian Rhythms and Psychopathology: From Models of Depression to Rhythms in Clock Gene Expression and Back Again. <i>Biological Psychiatry</i> , 2015 , 78, 220-1	7.9	2
9	Polymyxin B and Related Cyclic Peptides Facilitate Leanness and Reduce Fat Mass and Triglyceride Content in Ageing Rats: Potential Prototype Drugs Against Obesity. <i>International Journal of Peptide Research and Therapeutics</i> , 2006 , 12, 121-129	2.1	2
8	Aging blocks the thermoregulatory action of thyrotropin-releasing hormone in anaesthetized rats. <i>Brain Research</i> , 1988 , 440, 181-4	3.7	2
7	Exploring the role of locomotor sensitization in the circadian food entrainment pathway. <i>PLoS ONE</i> , 2017 , 12, e0174113	3.7	2
6	Fos expression in the suprachiasmatic nucleus during photic entrainment of circadian rhythms in retinally damaged rats. <i>Journal of Molecular Neuroscience</i> , 2004 , 22, 223-30	3.3	1
5	Effects of bilateral anterior agranular insula lesions on food anticipatory activity in rats. <i>PLoS ONE</i> , 2017 , 12, e0179370	3.7	1
4	Sexually dimorphic influence of the circadian clock gene Bmal1 in the striatum on alcohol intake		1
3	Thermoregulatory significance of immobility in the forced swim test.. <i>Physiology and Behavior</i> , 2022 , 113709	3.5	0
2	Exposure to Valproic-Acid Alters Circadian Organisation and Clock-Gene Expression: Implications for Autism Spectrum Disorders. <i>Frontiers in Behavioral Neuroscience</i> , 2021 , 15, 711549	3.5	0
1	Systemic hypoglycemia following central injection of endotoxin in mice. <i>Brain Research</i> , 1985 , 339, 382-53.7		