

Ruud M Buijs

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

94
papers

8,968
citations

51
h-index

94
g-index

100
ext. papers

9,740
ext. citations

4.7
avg, IF

5.73
L-index

#	Paper	IF	Citations
94	Short sleep duration as a risk factor for hypertension: analyses of the first National Health and Nutrition Examination Survey. <i>Hypertension</i> , 2006 , 47, 833-9	8.5	903
93	Sleep duration as a risk factor for diabetes incidence in a large U.S. sample. <i>Sleep</i> , 2007 , 30, 1667-73	1.1	428
92	Hypothalamic integration of central and peripheral clocks. <i>Nature Reviews Neuroscience</i> , 2001 , 2, 521-6	13.5	422
91	Anatomical and functional demonstration of a multisynaptic suprachiasmatic nucleus adrenal (cortex) pathway. <i>European Journal of Neuroscience</i> , 1999 , 11, 1535-44	3.5	361
90	Daily nighttime melatonin reduces blood pressure in male patients with essential hypertension. <i>Hypertension</i> , 2004 , 43, 192-7	8.5	321
89	The suprachiasmatic nucleus balances sympathetic and parasympathetic output to peripheral organs through separate preautonomic neurons. <i>Journal of Comparative Neurology</i> , 2003 , 464, 36-48	3.4	282
88	Selective parasympathetic innervation of subcutaneous and intra-abdominal fat [functional implications. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1243-1250	15.9	266
87	Parasympathetic and sympathetic control of the pancreas: a role for the suprachiasmatic nucleus and other hypothalamic centers that are involved in the regulation of food intake. <i>Journal of Comparative Neurology</i> , 2001 , 431, 405-23	3.4	254
86	A daily rhythm in glucose tolerance: a role for the suprachiasmatic nucleus. <i>Diabetes</i> , 2001 , 50, 1237-43	0.9	242
85	Food intake during the normal activity phase prevents obesity and circadian desynchrony in a rat model of night work. <i>Endocrinology</i> , 2010 , 151, 1019-29	4.8	234
84	A diurnal rhythm of stimulatory input to the hypothalamo-pituitary-adrenal system as revealed by timed intrahypothalamic administration of the vasopressin V1 antagonist. <i>Journal of Neuroscience</i> , 1996 , 16, 5555-65	6.6	233
83	Output pathways of the mammalian suprachiasmatic nucleus: coding circadian time by transmitter selection and specific targeting. <i>Cell and Tissue Research</i> , 2002 , 309, 109-18	4.2	193
82	Evidence for a direct neuronal pathway from the suprachiasmatic nucleus to the gonadotropin-releasing hormone system: combined tracing and light and electron microscopic immunocytochemical studies. <i>Journal of Comparative Neurology</i> , 1997 , 384, 569-79	3.4	182
81	Suprachiasmatic GABAergic inputs to the paraventricular nucleus control plasma glucose concentrations in the rat via sympathetic innervation of the liver. <i>Journal of Neuroscience</i> , 2004 , 24, 7604-13	6.6	182
80	Vasopressin-containing neurons of the suprachiasmatic nuclei inhibit corticosterone release. <i>Brain Research</i> , 1992 , 580, 62-7	3.7	181
79	Postoperative ileus is maintained by intestinal immune infiltrates that activate inhibitory neural pathways in mice. <i>Gastroenterology</i> , 2003 , 125, 1137-47	13.3	172
78	Tracing from fat tissue, liver, and pancreas: a neuroanatomical framework for the role of the brain in type 2 diabetes. <i>Endocrinology</i> , 2006 , 147, 1140-7	4.8	146

77	Sleep duration associated with mortality in elderly, but not middle-aged, adults in a large US sample. <i>Sleep</i> , 2008 , 31, 1087-96	1.1	145
76	The suprachiasmatic nucleus controls the daily variation of plasma glucose via the autonomic output to the liver: are the clock genes involved?. <i>European Journal of Neuroscience</i> , 2005 , 22, 2531-40	3.5	142
75	Lesions of the suprachiasmatic nucleus indicate the presence of a direct vasoactive intestinal polypeptide-containing projection to gonadotrophin-releasing hormone neurons in the female rat. <i>Journal of Neuroendocrinology</i> , 1993 , 5, 137-44	3.8	141
74	Suprachiasmatic control of melatonin synthesis in rats: inhibitory and stimulatory mechanisms. <i>European Journal of Neuroscience</i> , 2003 , 17, 221-8	3.5	138
73	Ventromedial arcuate nucleus communicates peripheral metabolic information to the suprachiasmatic nucleus. <i>Endocrinology</i> , 2006 , 147, 283-94	4.8	134
72	Projections of the suprachiasmatic nucleus to stress-related areas in the rat hypothalamus: a light and electron microscopic study. <i>Journal of Comparative Neurology</i> , 1993 , 335, 42-54	3.4	131
71	Polysynaptic neural pathways between the hypothalamus, including the suprachiasmatic nucleus, and the liver. <i>Brain Research</i> , 2000 , 871, 50-6	3.7	125
70	Interaction between hypothalamic dorsomedial nucleus and the suprachiasmatic nucleus determines intensity of food anticipatory behavior. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 5813-8	11.5	122
69	The integration of stress by the hypothalamus, amygdala and prefrontal cortex: balance between the autonomic nervous system and the neuroendocrine system. <i>Progress in Brain Research</i> , 2000 , 126, 117-32	2.9	120
68	Organization of circadian functions: interaction with the body. <i>Progress in Brain Research</i> , 2006 , 153, 341-60	2.9	119
67	Decrease of endogenous vasopressin release necessary for expression of the circadian rise in plasma corticosterone: a reverse microdialysis study. <i>Journal of Neuroendocrinology</i> , 1996 , 8, 299-307	3.8	112
66	Hypothesis: shifting the equilibrium from activity to food leads to autonomic unbalance and the metabolic syndrome. <i>Diabetes</i> , 2003 , 52, 2652-6	0.9	107
65	Shift work or food intake during the rest phase promotes metabolic disruption and desynchrony of liver genes in male rats. <i>PLoS ONE</i> , 2013 , 8, e60052	3.7	101
64	Effects of nocturnal light on (clock) gene expression in peripheral organs: a role for the autonomic innervation of the liver. <i>PLoS ONE</i> , 2009 , 4, e5650	3.7	93
63	Novel environment induced inhibition of corticosterone secretion: physiological evidence for a suprachiasmatic nucleus mediated neuronal hypothalamo-adrenal cortex pathway. <i>Brain Research</i> , 1997 , 758, 229-36	3.7	92
62	Neuropeptide changes in the suprachiasmatic nucleus in primary hypertension indicate functional impairment of the biological clock. <i>Journal of Comparative Neurology</i> , 2001 , 431, 320-30	3.4	88
61	Cardiovascular control by the suprachiasmatic nucleus: neural and neuroendocrine mechanisms in human and rat. <i>Biological Chemistry</i> , 2003 , 384, 697-709	4.5	85
60	Postmortem tracing reveals the organization of hypothalamic projections of the suprachiasmatic nucleus in the human brain. <i>Journal of Comparative Neurology</i> , 1998 , 400, 87-102	3.4	83

59	Melatonin attenuates antipsychotic metabolic effects: an eight-week randomized, double-blind, parallel-group, placebo-controlled clinical trial. <i>Bipolar Disorders</i> , 2014 , 16, 410-21	3.8	81
58	The stimulatory effect of vasopressin on the luteinizing hormone surge in ovariectomized, estradiol-treated rats is time-dependent. <i>Brain Research</i> , 2001 , 901, 109-16	3.7	80
57	Circadian disruption and SCN control of energy metabolism. <i>FEBS Letters</i> , 2011 , 585, 1412-26	3.8	79
56	Colocalization of gamma-aminobutyric acid with vasopressin, vasoactive intestinal peptide, and somatostatin in the rat suprachiasmatic nucleus. <i>Journal of Comparative Neurology</i> , 1995 , 358, 343-52	3.4	79
55	Functional neuroanatomy of the prefrontal cortex: autonomic interactions. <i>Progress in Brain Research</i> , 2000 , 126, 49-62	2.9	78
54	Effects of SCN lesions on circadian blood pressure rhythm in normotensive and transgenic hypertensive rats. <i>Chronobiology International</i> , 1998 , 15, 135-45	3.6	77
53	Daily rhythms in metabolic liver enzymes and plasma glucose require a balance in the autonomic output to the liver. <i>Endocrinology</i> , 2008 , 149, 1914-25	4.8	76
52	Spleen vagal denervation inhibits the production of antibodies to circulating antigens. <i>PLoS ONE</i> , 2008 , 3, e3152	3.7	75
51	The Circadian System: A Regulatory Feedback Network of Periphery and Brain. <i>Physiology</i> , 2016 , 31, 170-88	3.8	74
50	Paraventricular nucleus of the human hypothalamus in primary hypertension: activation of corticotropin-releasing hormone neurons. <i>Journal of Comparative Neurology</i> , 2002 , 443, 321-31	3.4	70
49	Distribution of vasopressin and vasoactive intestinal polypeptide (VIP) fibers in the human hypothalamus with special emphasis on suprachiasmatic nucleus efferent projections. <i>Journal of Comparative Neurology</i> , 1997 , 383, 397-414	3.4	68
48	Opposite actions of hypothalamic vasopressin on circadian corticosterone rhythm in nocturnal versus diurnal species. <i>European Journal of Neuroscience</i> , 2008 , 27, 818-27	3.5	66
47	The circadian system and the balance of the autonomic nervous system. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 117, 173-91	3	64
46	Glutamatergic clock output stimulates melatonin synthesis at night. <i>European Journal of Neuroscience</i> , 2004 , 19, 318-24	3.5	64
45	Light and diurnal cycle affect autonomic cardiac balance in human; possible role for the biological clock. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2004 , 110, 44-8	2.4	55
44	Glucocorticoid signaling in the arcuate nucleus modulates hepatic insulin sensitivity. <i>Diabetes</i> , 2012 , 61, 339-45	0.9	52
43	Suprachiasmatic Nucleus Interaction with the Arcuate Nucleus; Essential for Organizing Physiological Rhythms. <i>ENeuro</i> , 2017 , 4,	3.9	49
42	Minireview: Circadian control of metabolism by the suprachiasmatic nuclei. <i>Endocrinology</i> , 2007 , 148, 5635-9	4.8	45

41	A circulating ghrelin mimetic attenuates light-induced phase delay of mice and light-induced Fos expression in the suprachiasmatic nucleus of rats. <i>European Journal of Neuroscience</i> , 2008 , 27, 1965-72	3.5	44
40	Reciprocal interaction between the suprachiasmatic nucleus and the immune system tunes down the inflammatory response to lipopolysaccharide. <i>Journal of Neuroimmunology</i> , 2014 , 273, 22-30	3.5	42
39	In a rat model of night work, activity during the normal resting phase produces desynchrony in the hypothalamus. <i>Journal of Biological Rhythms</i> , 2010 , 25, 421-31	3.2	40
38	Role of the Suprachiasmatic and Arcuate Nuclei in Diurnal Temperature Regulation in the Rat. <i>Journal of Neuroscience</i> , 2015 , 35, 15419-29	6.6	38
37	The metabolic syndrome: a brain disease?. <i>Journal of Neuroendocrinology</i> , 2006 , 18, 715-6	3.8	38
36	The autonomic nervous system: a balancing act. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2013 , 117, 1-11	3	32
35	Evidence for parasympathetic innervation of white adipose tissue, clearing up some vagaries. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R548-9; author reply R550-2, discussion R553-4	3.2	32
34	The suprachiasmatic nucleus; a responsive clock regulating homeostasis by daily changing the setpoints of physiological parameters. <i>Autonomic Neuroscience: Basic and Clinical</i> , 2019 , 218, 43-50	2.4	29
33	Shift Work in Rats Results in Increased Inflammatory Response after Lipopolysaccharide Administration: A Role for Food Consumption. <i>Journal of Biological Rhythms</i> , 2015 , 30, 318-30	3.2	26
32	Social jet-lag potentiates obesity and metabolic syndrome when combined with cafeteria diet in rats. <i>Metabolism: Clinical and Experimental</i> , 2017 , 72, 83-93	12.7	25
31	Interaction between the hypothalamus and the immune system. <i>Experimental Physiology</i> , 2016 , 101, 1463-1471	2.4	24
30	The Arcuate Nucleus: A Site of Fast Negative Feedback for Corticosterone Secretion in Male Rats. <i>ENeuro</i> , 2017 , 4,	3.9	24
29	Loss of arginine vasopressin- and vasoactive intestinal polypeptide-containing neurons and glial cells in the suprachiasmatic nucleus of individuals with type 2 diabetes. <i>Diabetologia</i> , 2019 , 62, 2088-2093	10.3	23
28	Circadian disruption promotes tumor growth by anabolic host metabolism; experimental evidence in a rat model. <i>BMC Cancer</i> , 2017 , 17, 625	4.8	22
27	Recovery of axonal transport in "dead neurons". <i>Lancet, The</i> , 1998 , 351, 499-500	4.0	21
26	Shift-work: is time of eating determining metabolic health? Evidence from animal models. <i>Proceedings of the Nutrition Society</i> , 2018 , 77, 199-215	2.9	20
25	Vasopressin (VP) and neuropeptide FF (NPFF) systems in the normal and hypertensive human brainstem. <i>Journal of Comparative Neurology</i> , 2011 , 519, 93-124	3.4	20
24	When to eat? The influence of circadian rhythms on metabolic health: are animal studies providing the evidence?. <i>Nutrition Research Reviews</i> , 2016 , 29, 180-193	7	20

23	Corticosterone and activity: the long arms of the clock talk back. <i>Endocrinology</i> , 2007 , 148, 5162-4	4.8	16
22	Chocolate for breakfast prevents circadian desynchrony in experimental models of jet-lag and shift-work. <i>Scientific Reports</i> , 2020 , 10, 6243	4.9	14
21	NPY and VGF immunoreactivity increased in the arcuate nucleus, but decreased in the nucleus of the Tractus Solitarius, of type-II diabetic patients. <i>PLoS ONE</i> , 2012 , 7, e40070	3.7	13
20	Olanzapine-induced early cardiovascular effects are mediated by the biological clock and prevented by melatonin. <i>Journal of Pineal Research</i> , 2017 , 62, e12402	10.4	12
19	Food entrains clock genes but not metabolic genes in the liver of suprachiasmatic nucleus lesioned rats. <i>FEBS Letters</i> , 2014 , 588, 3104-10	3.8	12
18	Food in synchrony with melatonin and corticosterone relieves constant light disturbed metabolism. <i>Journal of Endocrinology</i> , 2017 , 235, 167-178	4.7	12
17	Neuropeptide FF distribution in the human and rat forebrain: a comparative immunohistochemical study. <i>Journal of Comparative Neurology</i> , 2006 , 496, 572-93	3.4	12
16	The suprachiasmatic nucleus drives day-night variations in postprandial triglyceride uptake into skeletal muscle and brown adipose tissue. <i>Experimental Physiology</i> , 2017 , 102, 1584-1595	2.4	9
15	Suprachiasmatic Nucleus-Arcuate Nucleus Axis: Interaction Between Time and Metabolism Essential for Health. <i>Obesity</i> , 2020 , 28 Suppl 1, S10-S17	8	7
14	Neuropeptide changes in the suprachiasmatic nucleus are associated with the development of hypertension. <i>Chronobiology International</i> , 2019 , 36, 1072-1087	3.6	5
13	Synchrony between suprachiasmatic nucleus-driven signals and the light/dark cycle is essential for liver homeostasis. <i>Hepatology</i> , 2017 , 65, 2110-2112	11.2	4
12	Regulatory peptides and systems biology: A new era of translational and reverse-translational neuroendocrinology. <i>Journal of Neuroendocrinology</i> , 2020 , 32, e12844	3.8	4
11	Functional changes of the SCN in spontaneous hypertension but not after the induction of hypertension. <i>Chronobiology International</i> , 2018 , 35, 1221-1235	3.6	4
10	Vasopressin: An output signal from the suprachiasmatic nucleus to prepare physiology and behaviour for the resting phase. <i>Journal of Neuroendocrinology</i> , 2021 , 33, e12998	3.8	3
9	The circadian system: From clocks to physiology. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2021 , 179, 233-247	3	3
8	Organization of the neuroendocrine and autonomic hypothalamic paraventricular nucleus. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2021 , 180, 45-63	3	2
7	Time-of-Day-Dependent Gating of the Liver-Spinal Axis Initiates an Anti-Inflammatory Reflex in the Rat. <i>ENeuro</i> , 2020 , 7, ENEURO.0463-20.2020	3.9	1
6	Suprachiasmatic nucleus-mediated glucose entry into the arcuate nucleus determines the daily rhythm in blood glycemia.. <i>Current Biology</i> , 2022 ,	6.3	1

5	The use of melatonin to mitigate the adverse metabolic side effects of antipsychotics. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2021 , 179, 371-382	3	1
4	Lack of food intake during shift work alters the heart transcriptome and leads to cardiac tissue fibrosis and inflammation in rats.. <i>BMC Biology</i> , 2022 , 20, 58	7.3	1
3	Early changes of immunoreactivity to orexin in hypothalamus and to RFamide peptides in brainstem during the development of hypertension. <i>Neuroscience Letters</i> , 2021 , 762, 136144	3.3	
2	Circadian Control of Neuroendocrine Systems. <i>Masterclass in Neuroendocrinology</i> , 2021 , 297-315	0.2	
1	Brain Control over the Autonomic Nervous Systems: Coordination of Physiology and Behavior 2022 , 1-15		