Ruud M Buijs

List of Publications by Year in Descending Order

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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	Suprachiasmatic nucleus-mediated glucose entry into the arcuate nucleus determines the daily rhythm in blood glycemia.. *Current Biology*, **2022**,	6.3	1
93	Lack of food intake during shift work alters the heart transcriptome and leads to cardiac tissue fibrosis and inflammation in rats.. *BMC Biology*, **2022**, 20, 58	7.3	1
92	Brain Control over the Autonomic Nervous Systems: Coordination of Physiology and Behavior **2022**, 1-15		
91	Vasopressin: An output signal from the suprachiasmatic nucleus to prepare physiology and behaviour for the resting phase. *Journal of Neuroendocrinology*, **2021**, 33, e12998	3.8	3
90	The circadian system: From clocks to physiology. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2021**, 179, 233-247	3	3
89	The use of melatonin to mitigate the adverse metabolic side effects of antipsychotics. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2021**, 179, 371-382	3	1
88	Organization of the neuroendocrine and autonomic hypothalamic paraventricular nucleus. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2021**, 180, 45-63	3	2
87	Early changes of immunoreactivity to orexin in hypothalamus and to RFamide peptides in brainstem during the development of hypertension. *Neuroscience Letters*, **2021**, 762, 136144	3.3	
86	Circadian Control of Neuroendocrine Systems. *Masterclass in Neuroendocrinology*, **2021**, 297-315	0.2	
85	Suprachiasmatic Nucleus-Arcuate Nucleus Axis: Interaction Between Time and Metabolism Essential for Health. *Obesity*, **2020**, 28 Suppl 1, S10-S17	8	7
84	Regulatory peptides and systems biology: A new era of translational and reverse-translational neuroendocrinology. *Journal of Neuroendocrinology*, **2020**, 32, e12844	3.8	4
83	Chocolate for breakfast prevents circadian desynchrony in experimental models of jet-lag and shift-work. *Scientific Reports*, **2020**, 10, 6243	4.9	14
82	Time-of-Day-Dependent Gating of the Liver-Spinal Axis Initiates an Anti-Inflammatory Reflex in the Rat. *ENeuro*, **2020**, 7, ENEURO.0463-20.2020	3.9	1
81	Neuropeptide changes in the suprachiasmatic nucleus are associated with the development of hypertension. *Chronobiology International*, **2019**, 36, 1072-1087	3.6	5
80	The suprachiasmatic nucleus; a responsive clock regulating homeostasis by daily changing the setpoints of physiological parameters. *Autonomic Neuroscience: Basic and Clinical*, **2019**, 218, 43-50	2.4	29
79	Loss of arginine vasopressin- and vasoactive intestinal polypeptide-containing neurons and glial cells in the suprachiasmatic nucleus of individuals with type 2 diabetes. *Diabetologia*, **2019**, 62, 2088-2093	10.3	23
78	Shift-work: is time of eating determining metabolic health? Evidence from animal models. *Proceedings of the Nutrition Society*, **2018**, 77, 199-215	2.9	20

77	Functional changes of the SCN in spontaneous hypertension but not after the induction of hypertension. *Chronobiology International*, **2018**, 35, 1221-1235	3.6	4
76	Synchrony between suprachiasmatic nucleus-driven signals and the light/dark cycle is essential for liver homeostasis. *Hepatology*, **2017**, 65, 2110-2112	11.2	4
75	Olanzapine-induced early cardiovascular effects are mediated by the biological clock and prevented by melatonin. *Journal of Pineal Research*, **2017**, 62, e12402	10.4	12
74	Social jet-lag potentiates obesity and metabolic syndrome when combined with cafeteria diet in rats. *Metabolism: Clinical and Experimental*, **2017**, 72, 83-93	12.7	25
73	Circadian disruption promotes tumor growth by anabolic host metabolism; experimental evidence in a rat model. *BMC Cancer*, **2017**, 17, 625	4.8	22
72	Food in synchrony with melatonin and corticosterone relieves constant light disturbed metabolism. *Journal of Endocrinology*, **2017**, 235, 167-178	4.7	12
71	The suprachiasmatic nucleus drives day-night variations in postprandial triglyceride uptake into skeletal muscle and brown adipose tissue. *Experimental Physiology*, **2017**, 102, 1584-1595	2.4	9
70	Suprachiasmatic Nucleus Interaction with the Arcuate Nucleus; Essential for Organizing Physiological Rhythms. *ENeuro*, **2017**, 4,	3.9	49
69	The Arcuate Nucleus: A Site of Fast Negative Feedback for Corticosterone Secretion in Male Rats. *ENeuro*, **2017**, 4,	3.9	24
68	Interaction between the hypothalamus and the immune system. *Experimental Physiology*, **2016**, 101, 1463-1471	2.4	24
67	When to eat? The influence of circadian rhythms on metabolic health: are animal studies providing the evidence?. *Nutrition Research Reviews*, **2016**, 29, 180-193	7	20
66	The Circadian System: A Regulatory Feedback Network of Periphery and Brain. *Physiology*, **2016**, 31, 170-81	3.8	74
65	Shift Work in Rats Results in Increased Inflammatory Response after Lipopolysaccharide Administration: A Role for Food Consumption. *Journal of Biological Rhythms*, **2015**, 30, 318-30	3.2	26
64	Role of the Suprachiasmatic and Arcuate Nuclei in Diurnal Temperature Regulation in the Rat. *Journal of Neuroscience*, **2015**, 35, 15419-29	6.6	38
63	Food entrains clock genes but not metabolic genes in the liver of suprachiasmatic nucleus lesioned rats. *FEBS Letters*, **2014**, 588, 3104-10	3.8	12
62	Melatonin attenuates antipsychotic metabolic effects: an eight-week randomized, double-blind, parallel-group, placebo-controlled clinical trial. *Bipolar Disorders*, **2014**, 16, 410-21	3.8	81
61	Reciprocal interaction between the suprachiasmatic nucleus and the immune system tunes down the inflammatory response to lipopolysaccharide. *Journal of Neuroimmunology*, **2014**, 273, 22-30	3.5	42
60	The circadian system and the balance of the autonomic nervous system. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2013**, 117, 173-91	3	64

59	The autonomic nervous system: a balancing act. *Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn*, **2013**, 117, 1-11	3	32
58	Shift work or food intake during the rest phase promotes metabolic disruption and desynchrony of liver genes in male rats. *PLoS ONE*, **2013**, 8, e60052	3.7	101
57	Glucocorticoid signaling in the arcuate nucleus modulates hepatic insulin sensitivity. *Diabetes*, **2012**, 61, 339-45	0.9	52
56	NPY and VGF immunoreactivity increased in the arcuate nucleus, but decreased in the nucleus of the Tractus Solitarius, of type-II diabetic patients. *PLoS ONE*, **2012**, 7, e40070	3.7	13
55	Circadian disruption and SCN control of energy metabolism. *FEBS Letters*, **2011**, 585, 1412-26	3.8	79
54	Vasopressin (VP) and neuropeptide FF (NPFF) systems in the normal and hypertensive human brainstem. *Journal of Comparative Neurology*, **2011**, 519, 93-124	3.4	20
53	Interaction between hypothalamic dorsomedial nucleus and the suprachiasmatic nucleus determines intensity of food anticipatory behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 5813-8	11.5	122
52	Food intake during the normal activity phase prevents obesity and circadian desynchrony in a rat model of night work. *Endocrinology*, **2010**, 151, 1019-29	4.8	234
51	In a rat model of night work, activity during the normal resting phase produces desynchrony in the hypothalamus. *Journal of Biological Rhythms*, **2010**, 25, 421-31	3.2	40
50	Effects of nocturnal light on (clock) gene expression in peripheral organs: a role for the autonomic innervation of the liver. *PLoS ONE*, **2009**, 4, e5650	3.7	93
49	Opposite actions of hypothalamic vasopressin on circadian corticosterone rhythm in nocturnal versus diurnal species. *European Journal of Neuroscience*, **2008**, 27, 818-27	3.5	66
48	A circulating ghrelin mimetic attenuates light-induced phase delay of mice and light-induced Fos expression in the suprachiasmatic nucleus of rats. *European Journal of Neuroscience*, **2008**, 27, 1965-72	3.5	44
47	Daily rhythms in metabolic liver enzymes and plasma glucose require a balance in the autonomic output to the liver. *Endocrinology*, **2008**, 149, 1914-25	4.8	76
46	Spleen vagal denervation inhibits the production of antibodies to circulating antigens. *PLoS ONE*, **2008**, 3, e3152	3.7	75
45	Sleep duration associated with mortality in elderly, but not middle-aged, adults in a large US sample. *Sleep*, **2008**, 31, 1087-96	1.1	145
44	Corticosterone and activity: the long arms of the clock talk back. *Endocrinology*, **2007**, 148, 5162-4	4.8	16
43	Evidence for parasympathetic innervation of white adipose tissue, clearing up some vagaries. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2007**, 293, R548-9; author reply R550-2, discussion R553-4	3.2	32
42	Minireview: Circadian control of metabolism by the suprachiasmatic nuclei. *Endocrinology*, **2007**, 148, 5635-9	4.8	45

41	Sleep duration as a risk factor for diabetes incidence in a large U.S. sample. *Sleep*, **2007**, 30, 1667-73	1.1	428
40	Neuropeptide FF distribution in the human and rat forebrain: a comparative immunohistochemical study. *Journal of Comparative Neurology*, **2006**, 496, 572-93	3.4	12
39	Tracing from fat tissue, liver, and pancreas: a neuroanatomical framework for the role of the brain in type 2 diabetes. *Endocrinology*, **2006**, 147, 1140-7	4.8	146
38	Short sleep duration as a risk factor for hypertension: analyses of the first National Health and Nutrition Examination Survey. *Hypertension*, **2006**, 47, 833-9	8.5	903
37	Organization of circadian functions: interaction with the body. *Progress in Brain Research*, **2006**, 153, 341-60	2.9	119
36	Ventromedial arcuate nucleus communicates peripheral metabolic information to the suprachiasmatic nucleus. *Endocrinology*, **2006**, 147, 283-94	4.8	134
35	The metabolic syndrome: a brain disease?. *Journal of Neuroendocrinology*, **2006**, 18, 715-6	3.8	38
34	The suprachiasmatic nucleus controls the daily variation of plasma glucose via the autonomic output to the liver: are the clock genes involved?. *European Journal of Neuroscience*, **2005**, 22, 2531-40	3.5	142
33	Suprachiasmatic GABAergic inputs to the paraventricular nucleus control plasma glucose concentrations in the rat via sympathetic innervation of the liver. *Journal of Neuroscience*, **2004**, 24, 7604-13	6.6	182
32	Glutamatergic clock output stimulates melatonin synthesis at night. *European Journal of Neuroscience*, **2004**, 19, 318-24	3.5	64
31	Daily nighttime melatonin reduces blood pressure in male patients with essential hypertension. *Hypertension*, **2004**, 43, 192-7	8.5	321
30	Light and diurnal cycle affect autonomic cardiac balance in human; possible role for the biological clock. *Autonomic Neuroscience: Basic and Clinical*, **2004**, 110, 44-8	2.4	55
29	The suprachiasmatic nucleus balances sympathetic and parasympathetic output to peripheral organs through separate preautonomic neurons. *Journal of Comparative Neurology*, **2003**, 464, 36-48	3.4	282
28	Suprachiasmatic control of melatonin synthesis in rats: inhibitory and stimulatory mechanisms. *European Journal of Neuroscience*, **2003**, 17, 221-8	3.5	138
27	Postoperative ileus is maintained by intestinal immune infiltrates that activate inhibitory neural pathways in mice. *Gastroenterology*, **2003**, 125, 1137-47	13.3	172
26	Hypothesis: shifting the equilibrium from activity to food leads to autonomic unbalance and the metabolic syndrome. *Diabetes*, **2003**, 52, 2652-6	0.9	107
25	Cardiovascular control by the suprachiasmatic nucleus: neural and neuroendocrine mechanisms in human and rat. *Biological Chemistry*, **2003**, 384, 697-709	4.5	85
24	Paraventricular nucleus of the human hypothalamus in primary hypertension: activation of corticotropin-releasing hormone neurons. *Journal of Comparative Neurology*, **2002**, 443, 321-31	3.4	70

23	Output pathways of the mammalian suprachiasmatic nucleus: coding circadian time by transmitter selection and specific targeting. *Cell and Tissue Research*, **2002**, 309, 109-18	4.2	193
22	Selective parasympathetic innervation of subcutaneous and intra-abdominal fat Functional implications. *Journal of Clinical Investigation*, **2002**, 110, 1243-1250	15.9	266
21	Neuropeptide changes in the suprachiasmatic nucleus in primary hypertension indicate functional impairment of the biological clock. *Journal of Comparative Neurology*, **2001**, 431, 320-30	3.4	88
20	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. *Journal of Comparative Neurology*, **2001**, 431, 405-23	3.4	254
19	Hypothalamic integration of central and peripheral clocks. *Nature Reviews Neuroscience*, **2001**, 2, 521-6	13.5	422
18	The stimulatory effect of vasopressin on the luteinizing hormone surge in ovariectomized, estradiol-treated rats is time-dependent. *Brain Research*, **2001**, 901, 109-16	3.7	80
17	A daily rhythm in glucose tolerance: a role for the suprachiasmatic nucleus. *Diabetes*, **2001**, 50, 1237-43	0.9	242
16	Polysynaptic neural pathways between the hypothalamus, including the suprachiasmatic nucleus, and the liver. *Brain Research*, **2000**, 871, 50-6	3.7	125
15	Functional neuroanatomy of the prefrontal cortex: autonomic interactions. *Progress in Brain Research*, **2000**, 126, 49-62	2.9	78
14	The integration of stress by the hypothalamus, amygdala and prefrontal cortex: balance between the autonomic nervous system and the neuroendocrine system. *Progress in Brain Research*, **2000**, 126, 117-32	2.9	120
13	Anatomical and functional demonstration of a multisynaptic suprachiasmatic nucleus adrenal (cortex) pathway. *European Journal of Neuroscience*, **1999**, 11, 1535-44	3.5	361
12	Postmortem tracing reveals the organization of hypothalamic projections of the suprachiasmatic nucleus in the human brain. *Journal of Comparative Neurology*, **1998**, 400, 87-102	3.4	83
11	Recovery of axonal transport in "dead neurons". *Lancet, The*, **1998**, 351, 499-500	40	21
10	Effects of SCN lesions on circadian blood pressure rhythm in normotensive and transgenic hypertensive rats. *Chronobiology International*, **1998**, 15, 135-45	3.6	77
9	Novel environment induced inhibition of corticosterone secretion: physiological evidence for a suprachiasmatic nucleus mediated neuronal hypothalamo-adrenal cortex pathway. *Brain Research*, **1997**, 758, 229-36	3.7	92
8	Distribution of vasopressin and vasoactive intestinal polypeptide (VIP) fibers in the human hypothalamus with special emphasis on suprachiasmatic nucleus efferent projections. *Journal of Comparative Neurology*, **1997**, 383, 397-414	3.4	68
7	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. *Journal of Comparative Neurology*, **1997**, 384, 569-79	3.4	182
6	A diurnal rhythm of stimulatory input to the hypothalamo-pituitary-adrenal system as revealed by timed intrahypothalamic administration of the vasopressin V1 antagonist. *Journal of Neuroscience*, **1996**, 16, 5555-65	6.6	233

5	Decrease of endogenous vasopressin release necessary for expression of the circadian rise in plasma corticosterone: a reverse microdialysis study. *Journal of Neuroendocrinology*, **1996**, 8, 299-307	3.8	112
4	Colocalization of gamma-aminobutyric acid with vasopressin, vasoactive intestinal peptide, and somatostatin in the rat suprachiasmatic nucleus. *Journal of Comparative Neurology*, **1995**, 358, 343-52	3.4	79
3	Projections of the suprachiasmatic nucleus to stress-related areas in the rat hypothalamus: a light and electron microscopic study. *Journal of Comparative Neurology*, **1993**, 335, 42-54	3.4	131
2	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. *Journal of Neuroendocrinology*, **1993**, 5, 137-44	3.8	141
1	Vasopressin-containing neurons of the suprachiasmatic nuclei inhibit corticosterone release. *Brain Research*, **1992**, 580, 62-7	3.7	181