

# Jeffrey G Tasker

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/8127644/jeffrey-g-tasker-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

101  
papers

6,632  
citations

44  
h-index

81  
g-index

108  
ext. papers

7,294  
ext. citations

4.2  
avg, IF

6.09  
L-index

#	Paper	IF	Citations
101	Gq neuromodulation of BLA parvalbumin interneurons induces burst firing and mediates fear-associated network and behavioral state transition in mice.. <i>Nature Communications</i> , <b>2022</b> , 13, 1290	17.4	0
100	The interplay between glutamatergic circuits and oxytocin neurons in the hypothalamus and its relevance to neurodevelopmental disorders. <i>Journal of Neuroendocrinology</i> , <b>2021</b> , 33, e13061	3.8	1
99	Retrograde Signaling Via Dendritic Activation of Glial-Neuronal Circuits. <i>Masterclass in Neuroendocrinology</i> , <b>2021</b> , 183-203	0.2	
98	Somato-dendritic vasopressin and oxytocin secretion in endocrine and autonomic regulation. <i>Journal of Neuroendocrinology</i> , <b>2020</b> , 32, e12856	3.8	21
97	Advances in the neurophysiology of magnocellular neuroendocrine cells. <i>Journal of Neuroendocrinology</i> , <b>2020</b> , 32, e12826	3.8	13
96	Lactation induces increased IPSC bursting in oxytocinergic neurons. <i>Physiological Reports</i> , <b>2019</b> , 7, e14047	7.6	4
95	Cell signaling dependence of rapid glucocorticoid-induced endocannabinoid synthesis in hypothalamic neuroendocrine cells. <i>Neurobiology of Stress</i> , <b>2019</b> , 10, 100158	7.6	5
94	Labile Calcium-Permeable AMPA Receptors Constitute New Glutamate Synapses Formed in Hypothalamic Neuroendocrine Cells during Salt Loading. <i>ENeuro</i> , <b>2019</b> , 6,	3.9	5
93	SUN-472 Labile Ca-Permeable AMPA Receptors Comprise New Synapses Following Salt Loading-Induced Plasticity in Hypothalamic Magnocellular Neurons. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
92	SAT-361 Rapid Glucocorticoid Regulation of Adrenoreceptor Trafficking Desensitizes CRH Neurons to Noradrenergic Activation. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
91	SAT-427 Low Chloride Transporter Expression in Vasopressin Neurons. <i>Journal of the Endocrine Society</i> , <b>2019</b> , 3,	0.4	78
90	Astrocytes Amplify Neuronal Dendritic Volume Transmission Stimulated by Norepinephrine. <i>Cell Reports</i> , <b>2019</b> , 29, 4349-4361.e4	10.6	15
89	Purity and stability of the membrane-limited glucocorticoid receptor agonist dexamethasone-BSA. <i>Steroids</i> , <b>2019</b> , 142, 2-5	2.8	5
88	Membrane-initiated nuclear trafficking of the glucocorticoid receptor in hypothalamic neurons. <i>Steroids</i> , <b>2019</b> , 142, 55-64	2.8	18
87	Factors promoting vulnerability to dysregulated stress reactivity and stress-related disease. <i>Journal of Neuroendocrinology</i> , <b>2018</b> , 30, e12641	3.8	25
86	M2 muscarinic receptor mediates arginine-vasopressin synthesis possibly through decreasing presynaptic GABA release in the supraoptic nuclei. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , <b>2018</b> , WCP2018, PO1-1-126	0	
85	Sucrose-induced plasticity in the basolateral amygdala in a comfort-feeding paradigm. <i>Brain Structure and Function</i> , <b>2017</b> , 222, 4035-4050	4	7

84	The Cell Biology of Oxytocin and Vasopressin Cells <b>2017</b> , 305-336		6
83	Nongenomic Glucocorticoid Suppression of a Postsynaptic Potassium Current via Emergent Autocrine Endocannabinoid Signaling in Hypothalamic Neuroendocrine Cells following Chronic Dehydration. <i>ENeuro</i> , <b>2017</b> , 4,	3.9	4
82	Paraventricular Hypothalamic Mechanisms of Chronic Stress Adaptation. <i>Frontiers in Endocrinology</i> , <b>2016</b> , 7, 137	5.7	102
81	Further evidence for a membrane receptor that binds glucocorticoids in the rodent hypothalamus. <i>Steroids</i> , <b>2016</b> , 114, 33-40	2.8	17
80	Sensitization of the Hypothalamic-Pituitary-Adrenal Axis in a Male Rat Chronic Stress Model. <i>Endocrinology</i> , <b>2016</b> , 157, 2346-55	4.8	39
79	Acute Stress Suppresses Synaptic Inhibition and Increases Anxiety via Endocannabinoid Release in the Basolateral Amygdala. <i>Journal of Neuroscience</i> , <b>2016</b> , 36, 8461-70	6.6	70
78	Rapid Nongenomic Glucocorticoid Actions in Male Mouse Hypothalamic Neuroendocrine Cells Are Dependent on the Nuclear Glucocorticoid Receptor. <i>Endocrinology</i> , <b>2015</b> , 156, 2831-42	4.8	56
77	Neuroendocrine Function After Hypothalamic Depletion of Glucocorticoid Receptors in Male and Female Mice. <i>Endocrinology</i> , <b>2015</b> , 156, 2843-53	4.8	51
76	The Synaptic Physiology of the Central Nervous System Response to Stress <b>2015</b> , 43-70		2
75	Regulation of Neuronal Activity in Hypothalamic Vasopressin Neurons. <i>Interdisciplinary Information Sciences</i> , <b>2015</b> , 21, 225-234	0.2	15
74	Endocannabinoid Regulation of Neuroendocrine Systems. <i>International Review of Neurobiology</i> , <b>2015</b> , 125, 163-201	4.4	23
73	Why do we need nongenomic glucocorticoid mechanisms?. <i>Frontiers in Neuroendocrinology</i> , <b>2014</b> , 35, 72-5	8.9	28
72	Endocannabinoid Modulation of Synaptic Inputs to Magnocellular Neurons <b>2014</b> , 225-252		
71	Role of Central Vasopressin in the Generation of Multimodal Homeostatic Responses <b>2014</b> , 253-270		1
70	Visible Markers of Vasopressin and Oxytocin Activity and Their Use in Identifying the Neuronal Activity of Specific Neuroendocrine Cell Types <b>2014</b> , 135-162		1
69	Short-term potentiation of GABAergic synaptic inputs to vasopressin and oxytocin neurones. <i>Journal of Physiology</i> , <b>2014</b> , 592, 4221-33	3.9	8
68	Nutritional state-dependent ghrelin activation of vasopressin neurons via retrograde trans-neuronal-glia stimulation of excitatory GABA circuits. <i>Journal of Neuroscience</i> , <b>2014</b> , 34, 6201-13	6.6	32
67	Glial control of endocannabinoid heterosynaptic modulation in hypothalamic magnocellular neuroendocrine cells. <i>Journal of Neuroscience</i> , <b>2013</b> , 33, 18331-42	6.6	33

66	Dexamethasone induces rapid promotion of norepinephrine-mediated vascular smooth muscle cell contraction. <i>Molecular Medicine Reports</i> , <b>2013</b> , 7, 549-54	2.9	18
65	Rapid Glucocorticoid-Induced Activation of TRP and CB1 Receptors Causes Biphasic Modulation of Glutamate Release in Gastric-Related Hypothalamic Preautonomic Neurons. <i>Frontiers in Neuroscience</i> , <b>2013</b> , 7, 3	5.1	31
64	Glial regulation of neuronal function: from synapse to systems physiology. <i>Journal of Neuroendocrinology</i> , <b>2012</b> , 24, 566-76	3.8	67
63	Endocannabinoid signaling, glucocorticoid-mediated negative feedback, and regulation of the hypothalamic-pituitary-adrenal axis. <i>Neuroscience</i> , <b>2012</b> , 204, 5-16	3.9	231
62	Synaptic regulation of the hypothalamic-pituitary-adrenal axis and its modulation by glucocorticoids and stress. <i>Frontiers in Cellular Neuroscience</i> , <b>2012</b> , 6, 24	6.1	85
61	Kernel duration and modulation gain in a coupled oscillator model and their implications on the progression of seizures. <i>Network: Computation in Neural Systems</i> , <b>2012</b> , 23, 59-75	0.7	2
60	GABA is excitatory in adult vasopressinergic neuroendocrine cells. <i>Journal of Neuroscience</i> , <b>2012</b> , 32, 572-82	6.6	71
59	Mechanisms of rapid glucocorticoid feedback inhibition of the hypothalamic-pituitary-adrenal axis. <i>Stress</i> , <b>2011</b> , 14, 398-406	3	186
58	Transcriptomic analysis of the osmotic and reproductive remodeling of the female rat supraoptic nucleus. <i>Endocrinology</i> , <b>2011</b> , 152, 3483-91	4.8	16
57	ProSAAS-derived peptides are colocalized with neuropeptide Y and function as neuropeptides in the regulation of food intake. <i>PLoS ONE</i> , <b>2011</b> , 6, e28152	3.7	35
56	Synchronized bursts of miniature inhibitory postsynaptic currents. <i>Journal of Physiology</i> , <b>2010</b> , 588, 939-51	5.1	23
55	Fast feedback inhibition of the HPA axis by glucocorticoids is mediated by endocannabinoid signaling. <i>Endocrinology</i> , <b>2010</b> , 151, 4811-9	4.8	226
54	Functional interactions between stress and the endocannabinoid system: from synaptic signaling to behavioral output. <i>Journal of Neuroscience</i> , <b>2010</b> , 30, 14980-6	6.6	176
53	Firing pattern regulation in hypothalamic vasopressin neurons: roles of synaptic inputs and retrograde signaling. <i>BMC Neuroscience</i> , <b>2010</b> , 11,	3.2	78
52	Glucocorticoids regulate glutamate and GABA synapse-specific retrograde transmission via divergent nongenomic signaling pathways. <i>Journal of Neuroscience</i> , <b>2009</b> , 29, 393-401	6.6	154
51	Chronic stress-induced neurotransmitter plasticity in the PVN. <i>Journal of Comparative Neurology</i> , <b>2009</b> , 517, 156-65	3.4	108
50	Nociceptin/Orphanin FQ (N/OFQ) stimulated diuresis is mediated via inhibition of vasopressin secretion: a role for the hypothalamic paraventricular nucleus (PVN). <i>FASEB Journal</i> , <b>2009</b> , 23, 967.11	0.9	
49	Glucocorticoids shift arachidonic acid metabolism toward endocannabinoid synthesis: a non-genomic anti-inflammatory switch. <i>European Journal of Pharmacology</i> , <b>2008</b> , 583, 322-39	5.3	59

48	Rapid synapse-specific regulation of hypothalamic magnocellular neurons by glucocorticoids. <i>Progress in Brain Research</i> , <b>2008</b> , 170, 379-88	2.9	20
47	Somato-dendritic mechanisms underlying the electrophysiological properties of hypothalamic magnocellular neuroendocrine cells: a multicompartamental model study. <i>Journal of Computational Neuroscience</i> , <b>2007</b> , 23, 143-68	1.4	30
46	Intranuclear coupling of hypothalamic magnocellular nuclei by glutamate synaptic circuits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2006</b> , 291, R102-11	3.2	25
45	Opposing crosstalk between leptin and glucocorticoids rapidly modulates synaptic excitation via endocannabinoid release. <i>Journal of Neuroscience</i> , <b>2006</b> , 26, 6643-50	6.6	211
44	Minireview: rapid glucocorticoid signaling via membrane-associated receptors. <i>Endocrinology</i> , <b>2006</b> , 147, 5549-56	4.8	295
43	Rapid glucocorticoid actions in the hypothalamus as a mechanism of homeostatic integration. <i>Obesity</i> , <b>2006</b> , 14 Suppl 5, 259S-265S	8	70
42	Activity-dependent release and actions of endocannabinoids in the rat hypothalamic supraoptic nucleus. <i>Journal of Physiology</i> , <b>2005</b> , 569, 751-60	3.9	94
41	Rapid central corticosteroid effects: evidence for membrane glucocorticoid receptors in the brain. <i>Integrative and Comparative Biology</i> , <b>2005</b> , 45, 665-71	2.8	14
40	Rapid glucocorticoid-mediated endocannabinoid release and opposing regulation of glutamate and gamma-aminobutyric acid inputs to hypothalamic magnocellular neurons. <i>Endocrinology</i> , <b>2005</b> , 146, 4292-301	4.8	235
39	Endogenous cannabinoids take the edge off neuroendocrine responses to stress. <i>Endocrinology</i> , <b>2004</b> , 145, 5429-30	4.8	27
38	Dehydration-induced synaptic plasticity in magnocellular neurons of the hypothalamic supraoptic nucleus. <i>Endocrinology</i> , <b>2004</b> , 145, 5141-9	4.8	68
37	Teaching resources. Regulation of GABA receptor activity by neurosteroids and phosphorylation. <i>Science Signaling</i> , <b>2004</b> , 2004, tr4	8.8	2
36	Presynaptic noradrenergic regulation of glutamate inputs to hypothalamic magnocellular neurones. <i>Journal of Neuroendocrinology</i> , <b>2003</b> , 15, 803-10	3.8	71
35	Increased tonic activation of presynaptic metabotropic glutamate receptors in the rat supraoptic nucleus following chronic dehydration. <i>Journal of Physiology</i> , <b>2003</b> , 551, 815-23	3.9	55
34	Nongenomic glucocorticoid inhibition via endocannabinoid release in the hypothalamus: a fast feedback mechanism. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 4850-7	6.6	582
33	Local circuit regulation of paraventricular nucleus stress integration: glutamate-GABA connections. <i>Pharmacology Biochemistry and Behavior</i> , <b>2002</b> , 71, 457-68	3.9	215
32	Role of the paraventricular nucleus microenvironment in stress integration. <i>European Journal of Neuroscience</i> , <b>2002</b> , 16, 381-5	3.5	125
31	Functional synaptic plasticity in hypothalamic magnocellular neurons. <i>Progress in Brain Research</i> , <b>2002</b> , 139, 113-9	2.9	34

30	Cell Biology of Oxytocin and Vasopressin Cells <b>2002</b> , 811-842		1
29	Voltage-gated currents distinguish parvocellular from magnocellular neurones in the rat hypothalamic paraventricular nucleus. <i>Journal of Physiology</i> , <b>2000</b> , 523 Pt 1, 193-209	3.9	133
28	A slow transient potassium current expressed in a subset of neurosecretory neurons of the hypothalamic paraventricular nucleus. <i>Journal of Neurophysiology</i> , <b>2000</b> , 84, 1814-25	3.2	34
27	Neurosteroid modulation of GABA IPSCs is phosphorylation dependent. <i>Journal of Neuroscience</i> , <b>2000</b> , 20, 3067-75	6.6	124
26	Coregulation of ion channels by neurosteroids and phosphorylation. <i>Science Signaling</i> , <b>2000</b> , 2000, pe1	8.8	4
25	Noradrenergic regulation of parvocellular neurons in the rat hypothalamic paraventricular nucleus. <i>Neuroscience</i> , <b>2000</b> , 96, 743-51	3.9	102
24	Noradrenergic excitation of magnocellular neurons in the rat hypothalamic paraventricular nucleus via intranuclear glutamatergic circuits. <i>Journal of Neuroscience</i> , <b>1998</b> , 18, 10619-28	6.6	130
23	Local glutamatergic and GABAergic synaptic circuits and metabotropic glutamate receptors in the hypothalamic paraventricular and supraoptic nuclei. <i>Advances in Experimental Medicine and Biology</i> , <b>1998</b> , 449, 117-21	3.6	53
22	Physiological evidence for local excitatory synaptic circuits in the rat hypothalamus. <i>Journal of Neurophysiology</i> , <b>1997</b> , 77, 3396-400	3.2	162
21	Presynaptic modulation by metabotropic glutamate receptors of excitatory and inhibitory synaptic inputs to hypothalamic magnocellular neurons. <i>Journal of Neurophysiology</i> , <b>1997</b> , 77, 527-36	3.2	129
20	Modulation of multiple potassium currents by metabotropic glutamate receptors in neurons of the hypothalamic supraoptic nucleus. <i>Journal of Neurophysiology</i> , <b>1997</b> , 78, 3428-37	3.2	46
19	Physiological mapping of local inhibitory inputs to the hypothalamic paraventricular nucleus. <i>Journal of Neuroscience</i> , <b>1996</b> , 16, 7151-60	6.6	268
18	Electrical properties of neocortical neurons in slices from children with intractable epilepsy. <i>Journal of Neurophysiology</i> , <b>1996</b> , 75, 931-9	3.2	38
17	Connections from the subfornical organ to the oxytocin and vasopressin systems in the lactating rat. A study using electrical stimulations, lesions and electrophysiological recordings. <i>Brain Research</i> , <b>1995</b> , 672, 1-13	3.7	10
16	Neurophysiology of neocortical slices resected from children undergoing surgical treatment for epilepsy. <i>Journal of Neuroscience Methods</i> , <b>1995</b> , 59, 49-58	3	25
15	Local inhibitory synaptic inputs to neurones of the paraventricular nucleus in slices of rat hypothalamus. <i>Journal of Physiology</i> , <b>1993</b> , 469, 179-92	3.9	85
14	Membrane properties of identified guinea-pig paraventricular neurons and their response to an opioid mu-receptor agonist: evidence for an increase in K <sup>+</sup> conductance. <i>Journal of Neuroendocrinology</i> , <b>1993</b> , 5, 233-40	3.8	7
13	Local synaptic circuits and epileptiform activity in slices of neocortex from children with intractable epilepsy. <i>Journal of Neurophysiology</i> , <b>1992</b> , 67, 496-507	3.2	40

12	Electrophysiological properties of neurones in the region of the paraventricular nucleus in slices of rat hypothalamus. <i>Journal of Physiology</i> , <b>1991</b> , 434, 271-93	3.9	195
11	Comparison of three intracellular markers for combined electrophysiological, morphological and immunohistochemical analyses. <i>Journal of Neuroscience Methods</i> , <b>1991</b> , 38, 129-43	3	22
10	In vivo Intracellular Recording of Neurons in the Supraoptic Nucleus of the Rat Hypothalamus. <i>Journal of Neuroendocrinology</i> , <b>1991</b> , 3, 383-6	3.8	24
9	Immunohistochemical differentiation of electrophysiologically defined neuronal populations in the region of the rat hypothalamic paraventricular nucleus. <i>Journal of Comparative Neurology</i> , <b>1991</b> , 307, 405-16	3.4	79
8	Electrophysiology of GABA-mediated synaptic transmission and possible roles in epilepsy. <i>Neurochemical Research</i> , <b>1991</b> , 16, 251-62	4.6	73
7	Synaptic transmission in human neocortex removed for treatment of intractable epilepsy in children. <i>Annals of Neurology</i> , <b>1990</b> , 28, 503-11	9.4	47
6	Osmolality-induced changes in extracellular volume alter epileptiform bursts independent of chemical synapses in the rat: importance of non-synaptic mechanisms in hippocampal epileptogenesis. <i>Neuroscience Letters</i> , <b>1990</b> , 120, 267-70	3.3	146
5	Intrinsic and synaptic mechanisms of hypothalamic neurons studied with slice and explant preparations. <i>Journal of Neuroscience Methods</i> , <b>1989</b> , 28, 59-69	3	17
4	The effects of neonatal capsaicin treatment on the sensory innervation of the nipple and on the milk ejection reflex in the rat. <i>Experimental Brain Research</i> , <b>1988</b> , 73, 32-8	2.3	9
3	Afferent projections from the mammary glands to the spinal cord in the lactating rat--I. A neuroanatomical study using the transganglionic transport of horseradish peroxidase-wheatgerm agglutinin. <i>Neuroscience</i> , <b>1986</b> , 19, 495-509	3.9	36
2	Recurrent mammary gland contractions induced by a low tonic release of oxytocin in rats. <i>Journal of Endocrinology</i> , <b>1985</b> , 107, 89-96	4.7	11
1	Acute Stress Desensitizes Hypothalamic CRH Neurons to Norepinephrine and Physiological Stress		1