

Jeffrey G Tasker

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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	Nongenomic glucocorticoid inhibition via endocannabinoid release in the hypothalamus: a fast feedback mechanism. <i>Journal of Neuroscience</i> , 2003 , 23, 4850-7	6.6	582
100	Minireview: rapid glucocorticoid signaling via membrane-associated receptors. <i>Endocrinology</i> , 2006 , 147, 5549-56	4.8	295
99	Physiological mapping of local inhibitory inputs to the hypothalamic paraventricular nucleus. <i>Journal of Neuroscience</i> , 1996 , 16, 7151-60	6.6	268
98	Rapid glucocorticoid-mediated endocannabinoid release and opposing regulation of glutamate and gamma-aminobutyric acid inputs to hypothalamic magnocellular neurons. <i>Endocrinology</i> , 2005 , 146, 4292-301	4.8	235
97	Endocannabinoid signaling, glucocorticoid-mediated negative feedback, and regulation of the hypothalamic-pituitary-adrenal axis. <i>Neuroscience</i> , 2012 , 204, 5-16	3.9	231
96	Fast feedback inhibition of the HPA axis by glucocorticoids is mediated by endocannabinoid signaling. <i>Endocrinology</i> , 2010 , 151, 4811-9	4.8	226
95	Local circuit regulation of paraventricular nucleus stress integration: glutamate-GABA connections. <i>Pharmacology Biochemistry and Behavior</i> , 2002 , 71, 457-68	3.9	215
94	Opposing crosstalk between leptin and glucocorticoids rapidly modulates synaptic excitation via endocannabinoid release. <i>Journal of Neuroscience</i> , 2006 , 26, 6643-50	6.6	211
93	Electrophysiological properties of neurones in the region of the paraventricular nucleus in slices of rat hypothalamus. <i>Journal of Physiology</i> , 1991 , 434, 271-93	3.9	195
92	Mechanisms of rapid glucocorticoid feedback inhibition of the hypothalamic-pituitary-adrenal axis. <i>Stress</i> , 2011 , 14, 398-406	3	186
91	Functional interactions between stress and the endocannabinoid system: from synaptic signaling to behavioral output. <i>Journal of Neuroscience</i> , 2010 , 30, 14980-6	6.6	176
90	Physiological evidence for local excitatory synaptic circuits in the rat hypothalamus. <i>Journal of Neurophysiology</i> , 1997 , 77, 3396-400	3.2	162
89	Glucocorticoids regulate glutamate and GABA synapse-specific retrograde transmission via divergent nongenomic signaling pathways. <i>Journal of Neuroscience</i> , 2009 , 29, 393-401	6.6	154
88	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> , 1990 , 120, 267-70	3.3	146
87	Voltage-gated currents distinguish parvocellular from magnocellular neurones in the rat hypothalamic paraventricular nucleus. <i>Journal of Physiology</i> , 2000 , 523 Pt 1, 193-209	3.9	133
86	Noradrenergic excitation of magnocellular neurons in the rat hypothalamic paraventricular nucleus via intranuclear glutamatergic circuits. <i>Journal of Neuroscience</i> , 1998 , 18, 10619-28	6.6	130
85	Presynaptic modulation by metabotropic glutamate receptors of excitatory and inhibitory synaptic inputs to hypothalamic magnocellular neurons. <i>Journal of Neurophysiology</i> , 1997 , 77, 527-36	3.2	129

84	Role of the paraventricular nucleus microenvironment in stress integration. <i>European Journal of Neuroscience</i> , 2002 , 16, 381-5	3.5	125
83	Neurosteroid modulation of GABA IPSCs is phosphorylation dependent. <i>Journal of Neuroscience</i> , 2000 , 20, 3067-75	6.6	124
82	Chronic stress-induced neurotransmitter plasticity in the PVN. <i>Journal of Comparative Neurology</i> , 2009 , 517, 156-65	3.4	108
81	Noradrenergic regulation of parvocellular neurons in the rat hypothalamic paraventricular nucleus. <i>Neuroscience</i> , 2000 , 96, 743-51	3.9	102
80	Paraventricular Hypothalamic Mechanisms of Chronic Stress Adaptation. <i>Frontiers in Endocrinology</i> , 2016 , 7, 137	5.7	102
79	Activity-dependent release and actions of endocannabinoids in the rat hypothalamic supraoptic nucleus. <i>Journal of Physiology</i> , 2005 , 569, 751-60	3.9	94
78	Synaptic regulation of the hypothalamic-pituitary-adrenal axis and its modulation by glucocorticoids and stress. <i>Frontiers in Cellular Neuroscience</i> , 2012 , 6, 24	6.1	85
77	Local inhibitory synaptic inputs to neurones of the paraventricular nucleus in slices of rat hypothalamus. <i>Journal of Physiology</i> , 1993 , 469, 179-92	3.9	85
76	Immunohistochemical differentiation of electrophysiologically defined neuronal populations in the region of the rat hypothalamic paraventricular nucleus. <i>Journal of Comparative Neurology</i> , 1991 , 307, 405-16	3.4	79
75	Firing pattern regulation in hypothalamic vasopressin neurons: roles of synaptic inputs and retrograde signaling. <i>BMC Neuroscience</i> , 2010 , 11,	3.2	78
74	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> , 2019 , 3,	0.4	78
73	SAT-361 Rapid Glucocorticoid Regulation of Adrenoreceptor Trafficking Desensitizes CRH Neurons to Noradrenergic Activation. <i>Journal of the Endocrine Society</i> , 2019 , 3,	0.4	78
72	SAT-427 Low Chloride Transporter Expression in Vasopressin Neurons. <i>Journal of the Endocrine Society</i> , 2019 , 3,	0.4	78
71	Electrophysiology of GABA-mediated synaptic transmission and possible roles in epilepsy. <i>Neurochemical Research</i> , 1991 , 16, 251-62	4.6	73
70	GABA is excitatory in adult vasopressinergic neuroendocrine cells. <i>Journal of Neuroscience</i> , 2012 , 32, 572-82	6.6	71
69	Presynaptic noradrenergic regulation of glutamate inputs to hypothalamic magnocellular neurones. <i>Journal of Neuroendocrinology</i> , 2003 , 15, 803-10	3.8	71
68	Rapid glucocorticoid actions in the hypothalamus as a mechanism of homeostatic integration. <i>Obesity</i> , 2006 , 14 Suppl 5, 259S-265S	8	70
67	Acute Stress Suppresses Synaptic Inhibition and Increases Anxiety via Endocannabinoid Release in the Basolateral Amygdala. <i>Journal of Neuroscience</i> , 2016 , 36, 8461-70	6.6	70

66	Dehydration-induced synaptic plasticity in magnocellular neurons of the hypothalamic supraoptic nucleus. <i>Endocrinology</i> , 2004 , 145, 5141-9	4.8	68
65	Glial regulation of neuronal function: from synapse to systems physiology. <i>Journal of Neuroendocrinology</i> , 2012 , 24, 566-76	3.8	67
64	Glucocorticoids shift arachidonic acid metabolism toward endocannabinoid synthesis: a non-genomic anti-inflammatory switch. <i>European Journal of Pharmacology</i> , 2008 , 583, 322-39	5.3	59
63	Rapid Nongenomic Glucocorticoid Actions in Male Mouse Hypothalamic Neuroendocrine Cells Are Dependent on the Nuclear Glucocorticoid Receptor. <i>Endocrinology</i> , 2015 , 156, 2831-42	4.8	56
62	Increased tonic activation of presynaptic metabotropic glutamate receptors in the rat supraoptic nucleus following chronic dehydration. <i>Journal of Physiology</i> , 2003 , 551, 815-23	3.9	55
61	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> , 1998 , 449, 117-21	3.6	53
60	Neuroendocrine Function After Hypothalamic Depletion of Glucocorticoid Receptors in Male and Female Mice. <i>Endocrinology</i> , 2015 , 156, 2843-53	4.8	51
59	Synaptic transmission in human neocortex removed for treatment of intractable epilepsy in children. <i>Annals of Neurology</i> , 1990 , 28, 503-11	9.4	47
58	Modulation of multiple potassium currents by metabotropic glutamate receptors in neurons of the hypothalamic supraoptic nucleus. <i>Journal of Neurophysiology</i> , 1997 , 78, 3428-37	3.2	46
57	Local synaptic circuits and epileptiform activity in slices of neocortex from children with intractable epilepsy. <i>Journal of Neurophysiology</i> , 1992 , 67, 496-507	3.2	40
56	Sensitization of the Hypothalamic-Pituitary-Adrenal Axis in a Male Rat Chronic Stress Model. <i>Endocrinology</i> , 2016 , 157, 2346-55	4.8	39
55	Electrical properties of neocortical neurons in slices from children with intractable epilepsy. <i>Journal of Neurophysiology</i> , 1996 , 75, 931-9	3.2	38
54	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> , 1986 , 19, 495-509	3.9	36
53	ProSAAS-derived peptides are colocalized with neuropeptide Y and function as neuropeptides in the regulation of food intake. <i>PLoS ONE</i> , 2011 , 6, e28152	3.7	35
52	Functional synaptic plasticity in hypothalamic magnocellular neurons. <i>Progress in Brain Research</i> , 2002 , 139, 113-9	2.9	34
51	A slow transient potassium current expressed in a subset of neurosecretory neurons of the hypothalamic paraventricular nucleus. <i>Journal of Neurophysiology</i> , 2000 , 84, 1814-25	3.2	34
50	Glial control of endocannabinoid heterosynaptic modulation in hypothalamic magnocellular neuroendocrine cells. <i>Journal of Neuroscience</i> , 2013 , 33, 18331-42	6.6	33
49	Nutritional state-dependent ghrelin activation of vasopressin neurons via retrograde trans-neuronal-glia stimulation of excitatory GABA circuits. <i>Journal of Neuroscience</i> , 2014 , 34, 6201-13	6.6	32

48	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> , 2013 , 7, 3	5.1	31
47	Somato-dendritic mechanisms underlying the electrophysiological properties of hypothalamic magnocellular neuroendocrine cells: a multicompartamental model study. <i>Journal of Computational Neuroscience</i> , 2007 , 23, 143-68	1.4	30
46	Why do we need nongenomic glucocorticoid mechanisms?. <i>Frontiers in Neuroendocrinology</i> , 2014 , 35, 72-5	8.9	28
45	Endogenous cannabinoids take the edge off neuroendocrine responses to stress. <i>Endocrinology</i> , 2004 , 145, 5429-30	4.8	27
44	Factors promoting vulnerability to dysregulated stress reactivity and stress-related disease. <i>Journal of Neuroendocrinology</i> , 2018 , 30, e12641	3.8	25
43	Intranuclear coupling of hypothalamic magnocellular nuclei by glutamate synaptic circuits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R102-11	3.2	25
42	Neurophysiology of neocortical slices resected from children undergoing surgical treatment for epilepsy. <i>Journal of Neuroscience Methods</i> , 1995 , 59, 49-58	3	25
41	In vivo Intracellular Recording of Neurons in the Supraoptic Nucleus of the Rat Hypothalamus. <i>Journal of Neuroendocrinology</i> , 1991 , 3, 383-6	3.8	24
40	Endocannabinoid Regulation of Neuroendocrine Systems. <i>International Review of Neurobiology</i> , 2015 , 125, 163-201	4.4	23
39	Synchronized bursts of miniature inhibitory postsynaptic currents. <i>Journal of Physiology</i> , 2010 , 588, 939-51	3.1	23
38	Comparison of three intracellular markers for combined electrophysiological, morphological and immunohistochemical analyses. <i>Journal of Neuroscience Methods</i> , 1991 , 38, 129-43	3	22
37	Somato-dendritic vasopressin and oxytocin secretion in endocrine and autonomic regulation. <i>Journal of Neuroendocrinology</i> , 2020 , 32, e12856	3.8	21
36	Rapid synapse-specific regulation of hypothalamic magnocellular neurons by glucocorticoids. <i>Progress in Brain Research</i> , 2008 , 170, 379-88	2.9	20
35	Dexamethasone induces rapid promotion of norepinephrine-mediated vascular smooth muscle cell contraction. <i>Molecular Medicine Reports</i> , 2013 , 7, 549-54	2.9	18
34	Membrane-initiated nuclear trafficking of the glucocorticoid receptor in hypothalamic neurons. <i>Steroids</i> , 2019 , 142, 55-64	2.8	18
33	Intrinsic and synaptic mechanisms of hypothalamic neurons studied with slice and explant preparations. <i>Journal of Neuroscience Methods</i> , 1989 , 28, 59-69	3	17
32	Further evidence for a membrane receptor that binds glucocorticoids in the rodent hypothalamus. <i>Steroids</i> , 2016 , 114, 33-40	2.8	17
31	Transcriptomic analysis of the osmotic and reproductive remodeling of the female rat supraoptic nucleus. <i>Endocrinology</i> , 2011 , 152, 3483-91	4.8	16

30	Regulation of Neuronal Activity in Hypothalamic Vasopressin Neurons. <i>Interdisciplinary Information Sciences</i> , 2015 , 21, 225-234	0.2	15
29	Astrocytes Amplify Neuronal Dendritic Volume Transmission Stimulated by Norepinephrine. <i>Cell Reports</i> , 2019 , 29, 4349-4361.e4	10.6	15
28	Rapid central corticosteroid effects: evidence for membrane glucocorticoid receptors in the brain. <i>Integrative and Comparative Biology</i> , 2005 , 45, 665-71	2.8	14
27	Advances in the neurophysiology of magnocellular neuroendocrine cells. <i>Journal of Neuroendocrinology</i> , 2020 , 32, e12826	3.8	13
26	Recurrent mammary gland contractions induced by a low tonic release of oxytocin in rats. <i>Journal of Endocrinology</i> , 1985 , 107, 89-96	4.7	11
25	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> , 1995 , 672, 1-13	3.7	10
24	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> , 1988 , 73, 32-8	2.3	9
23	Short-term potentiation of GABAergic synaptic inputs to vasopressin and oxytocin neurones. <i>Journal of Physiology</i> , 2014 , 592, 4221-33	3.9	8
22	Sucrose-induced plasticity in the basolateral amygdala in a comfort-feeding paradigm. <i>Brain Structure and Function</i> , 2017 , 222, 4035-4050	4	7
21	Membrane properties of identified guinea-pig paraventricular neurons and their response to an opioid mu-receptor agonist: evidence for an increase in K ⁺ conductance. <i>Journal of Neuroendocrinology</i> , 1993 , 5, 233-40	3.8	7
20	The Cell Biology of Oxytocin and Vasopressin Cells 2017 , 305-336		6
19	Cell signaling dependence of rapid glucocorticoid-induced endocannabinoid synthesis in hypothalamic neuroendocrine cells. <i>Neurobiology of Stress</i> , 2019 , 10, 100158	7.6	5
18	Labile Calcium-Permeable AMPA Receptors Constitute New Glutamate Synapses Formed in Hypothalamic Neuroendocrine Cells during Salt Loading. <i>ENeuro</i> , 2019 , 6,	3.9	5
17	Purity and stability of the membrane-limited glucocorticoid receptor agonist dexamethasone-BSA. <i>Steroids</i> , 2019 , 142, 2-5	2.8	5
16	Lactation induces increased IPSC bursting in oxytocinergic neurons. <i>Physiological Reports</i> , 2019 , 7, e14047.6	4.7	4
15	Coregulation of ion channels by neurosteroids and phosphorylation. <i>Science Signaling</i> , 2000 , 2000, pe1	8.8	4
14	Nongenomic Glucocorticoid Suppression of a Postsynaptic Potassium Current via Emergent Autocrine Endocannabinoid Signaling in Hypothalamic Neuroendocrine Cells following Chronic Dehydration. <i>ENeuro</i> , 2017 , 4,	3.9	4
13	The Synaptic Physiology of the Central Nervous System Response to Stress 2015 , 43-70		2

12	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> , 2012 , 23, 59-75	0.7	2
11	Teaching resources. Regulation of GABA receptor activity by neurosteroids and phosphorylation. <i>Science Signaling</i> , 2004 , 2004, tr4	8.8	2
10	Role of Central Vasopressin in the Generation of Multimodal Homeostatic Responses 2014 , 253-270		1
9	Visible Markers of Vasopressin and Oxytocin Activity and Their Use in Identifying the Neuronal Activity of Specific Neuroendocrine Cell Types 2014 , 135-162		1
8	The interplay between glutamatergic circuits and oxytocin neurons in the hypothalamus and its relevance to neurodevelopmental disorders. <i>Journal of Neuroendocrinology</i> , 2021 , 33, e13061	3.8	1
7	Cell Biology of Oxytocin and Vasopressin Cells 2002 , 811-842		1
6	Acute Stress Desensitizes Hypothalamic CRH Neurons to Norepinephrine and Physiological Stress		1
5	Gq neuromodulation of BLA parvalbumin interneurons induces burst firing and mediates fear-associated network and behavioral state transition in mice.. <i>Nature Communications</i> , 2022 , 13, 1290 ^{17.4}		0
4	Endocannabinoid Modulation of Synaptic Inputs to Magnocellular Neurons 2014 , 225-252		
3	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> , 2018 , WCP2018, PO1-1-126		0
2	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> , 2009 , 23, 967.11	0.9	
1	Retrograde Signaling Via Dendritic Activation of Glial-Neuronal Circuits. <i>Masterclass in Neuroendocrinology</i> , 2021 , 183-203	0.2	