

# Jeffrey G Tasker

## List of Publications by Year in descending order

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97  
papers

7,406  
citations

61984

43  
h-index

53230

85  
g-index

108  
all docs

108  
docs citations

108  
times ranked

5206  
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	12.8	15
2	Retrograde Signaling Via Dendritic Activation of Glial-Neuronal Circuits. <i>Masterclass in Neuroendocrinology</i> , 2021, , 183-203.	0.1	0
3	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.	2.6	11
4	Advances in the neurophysiology of magnocellular neuroendocrine cells. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12826.	2.6	17
5	Somatoâ€dendritic vasopressin and oxytocin secretion in endocrine and autonomic regulation. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12856.	2.6	51
6	Lactation induces increased <scp>IPSC</scp> bursting in oxytocinergic neurons. <i>Physiological Reports</i> , 2019, 7, e14047.	1.7	6
7	Cell signaling dependence of rapid glucocorticoid-induced endocannabinoid synthesis in hypothalamic neuroendocrine cells. <i>Neurobiology of Stress</i> , 2019, 10, 100158.	4.0	16
8	Astrocytes Amplify Neuronal Dendritic Volume Transmission Stimulated by Norepinephrine. <i>Cell Reports</i> , 2019, 29, 4349-4361.e4.	6.4	38
9	Purity and stability of the membrane-limited glucocorticoid receptor agonist dexamethasone-BSA. <i>Steroids</i> , 2019, 142, 2-5.	1.8	11
10	Membrane-initiated nuclear trafficking of the glucocorticoid receptor in hypothalamic neurons. <i>Steroids</i> , 2019, 142, 55-64.	1.8	27
11	Labile Calcium-Permeable AMPA Receptors Constitute New Glutamate Synapses Formed in Hypothalamic Neuroendocrine Cells during Salt Loading. <i>ENeuro</i> , 2019, 6, ENEURO.0112-19.2019.	1.9	7
12	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, .	0.2	0
13	SAT-361 Rapid Glucocorticoid Regulation of Adrenoreceptor Trafficking Desensitizes CRH Neurons to Noradrenergic Activation. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.2	0
14	SAT-427 Low Chloride Transporter Expression in Vasopressin Neurons. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.2	0
15	Factors promoting vulnerability to dysregulated stress reactivity and stressâ€related disease. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12641.	2.6	38
16	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.	0.0	0
17	Sucrose-induced plasticity in the basolateral amygdala in a â€comfortâ€™ feeding paradigm. <i>Brain Structure and Function</i> , 2017, 222, 4035-4050.	2.3	10
18	The Cell Biology of Oxytocin and Vasopressin Cells. , 2017, , 305-336.		6

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19	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, ENEURO.0216-17.2017.	1.9	7
20	Paraventricular Hypothalamic Mechanisms of Chronic Stress Adaptation. <i>Frontiers in Endocrinology</i> , 2016, 7, 137.	3.5	171
21	Further evidence for a membrane receptor that binds glucocorticoids in the rodent hypothalamus. <i>Steroids</i> , 2016, 114, 33-40.	1.8	19
22	Sensitization of the Hypothalamic-Pituitary-Adrenal Axis in a Male Rat Chronic Stress Model. <i>Endocrinology</i> , 2016, 157, 2346-2355.	2.8	59
23	Acute Stress Suppresses Synaptic Inhibition and Increases Anxiety via Endocannabinoid Release in the Basolateral Amygdala. <i>Journal of Neuroscience</i> , 2016, 36, 8461-8470.	3.6	86
24	Regulation of Neuronal Activity in Hypothalamic Vasopressin Neurons. <i>Interdisciplinary Information Sciences</i> , 2015, 21, 225-234.	0.4	18
25	Endocannabinoid Regulation of Neuroendocrine Systems. <i>International Review of Neurobiology</i> , 2015, 125, 163-201.	2.0	29
26	Rapid Nongenomic Glucocorticoid Actions in Male Mouse Hypothalamic Neuroendocrine Cells Are Dependent on the Nuclear Glucocorticoid Receptor. <i>Endocrinology</i> , 2015, 156, 2831-2842.	2.8	71
27	Neuroendocrine Function After Hypothalamic Depletion of Glucocorticoid Receptors in Male and Female Mice. <i>Endocrinology</i> , 2015, 156, 2843-2853.	2.8	69
28	Short-term potentiation of GABAergic synaptic inputs to vasopressin and oxytocin neurones. <i>Journal of Physiology</i> , 2014, 592, 4221-4233.	2.9	8
29	Nutritional State-Dependent Ghrelin Activation of Vasopressin Neurons via Retrograde Trans-Neuronal Glial Stimulation of Excitatory GABA Circuits. <i>Journal of Neuroscience</i> , 2014, 34, 6201-6213.	3.6	39
30	Why do we need nongenomic glucocorticoid mechanisms?. <i>Frontiers in Neuroendocrinology</i> , 2014, 35, 72-75.	5.2	36
31	Glial Control of Endocannabinoid Heterosynaptic Modulation in Hypothalamic Magnocellular Neuroendocrine Cells. <i>Journal of Neuroscience</i> , 2013, 33, 18331-18342.	3.6	39
32	Dexamethasone induces rapid promotion of norepinephrine-mediated vascular smooth muscle cell contraction. <i>Molecular Medicine Reports</i> , 2013, 7, 549-554.	2.4	21
33	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.	2.8	33
34	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.	3.6	3
35	GABA Is Excitatory in Adult Vasopressinergic Neuroendocrine Cells. <i>Journal of Neuroscience</i> , 2012, 32, 572-582.	3.6	87
36	Endocannabinoid signaling, glucocorticoid-mediated negative feedback, and regulation of the hypothalamic-pituitary-adrenal axis. <i>Neuroscience</i> , 2012, 204, 5-16.	2.3	278

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37	Synaptic regulation of the hypothalamicâ€“pituitaryâ€“adrenal axis and its modulation by glucocorticoids and stress. <i>Frontiers in Cellular Neuroscience</i> , 2012, 6, 24.	3.7	108
38	Glial Regulation of Neuronal Function: From Synapse to Systems Physiology. <i>Journal of Neuroendocrinology</i> , 2012, 24, 566-576.	2.6	80
39	Mechanisms of rapid glucocorticoid feedback inhibition of the hypothalamicâ€“pituitaryâ€“adrenal axis. <i>Stress</i> , 2011, 14, 398-406.	1.8	222
40	Transcriptomic Analysis of the Osmotic and Reproductive Remodeling of the Female Rat Supraoptic Nucleus. <i>Endocrinology</i> , 2011, 152, 3483-3491.	2.8	23
41	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.	2.5	48
42	Firing pattern regulation in hypothalamic vasopressin neurons: roles of synaptic inputs and retrograde signaling. <i>BMC Neuroscience</i> , 2010, 11, .	1.9	0
43	Synchronized bursts of miniature inhibitory postsynaptic currents. <i>Journal of Physiology</i> , 2010, 588, 939-951.	2.9	25
44	Fast Feedback Inhibition of the HPA Axis by Glucocorticoids Is Mediated by Endocannabinoid Signaling. <i>Endocrinology</i> , 2010, 151, 4811-4819.	2.8	269
45	Functional Interactions between Stress and the Endocannabinoid System: From Synaptic Signaling to Behavioral Output. <i>Journal of Neuroscience</i> , 2010, 30, 14980-14986.	3.6	202
46	Glucocorticoids Regulate Glutamate and GABA Synapse-Specific Retrograde Transmission via Divergent Nongenomic Signaling Pathways. <i>Journal of Neuroscience</i> , 2009, 29, 393-401.	3.6	177
47	Chronic stressâ€“induced neurotransmitter plasticity in the PVN. <i>Journal of Comparative Neurology</i> , 2009, 517, 156-165.	1.6	128
48	Nociceptin/Orphanin FQ (N/OFFQ) 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.	0.5	0
49	Glucocorticoids shift arachidonic acid metabolism toward endocannabinoid synthesis: A non-genomic anti-inflammatory switch. <i>European Journal of Pharmacology</i> , 2008, 583, 322-339.	3.5	71
50	Rapid synapse-specific regulation of hypothalamic magnocellular neurons by glucocorticoids. <i>Progress in Brain Research</i> , 2008, 170, 379-388.	1.4	23
51	Somato-dendritic mechanisms underlying the electrophysiological properties of hypothalamic magnocellular neuroendocrine cells: A multicompartmental model study. <i>Journal of Computational Neuroscience</i> , 2007, 23, 143-168.	1.0	31
52	Rapid Glucocorticoid Actions in the Hypothalamus as a Mechanism of Homeostatic Integration. <i>Obesity</i> , 2006, 14, 259S-265S.	3.0	75
53	Internuclear coupling of hypothalamic magnocellular nuclei by glutamate synaptic circuits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006, 291, R102-R111.	1.8	29
54	Opposing Crosstalk between Leptin and Glucocorticoids Rapidly Modulates Synaptic Excitation via Endocannabinoid Release. <i>Journal of Neuroscience</i> , 2006, 26, 6643-6650.	3.6	245

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55	Rapid Glucocorticoid Signaling via Membrane-Associated Receptors. <i>Endocrinology</i> , 2006, 147, 5549-5556.	2.8	332
56	Activity-dependent release and actions of endocannabinoids in the rat hypothalamic supraoptic nucleus. <i>Journal of Physiology</i> , 2005, 569, 751-760.	2.9	104
57	Rapid Central Corticosteroid Effects: Evidence for Membrane Glucocorticoid Receptors in the Brain. <i>Integrative and Comparative Biology</i> , 2005, 45, 665-671.	2.0	17
58	Rapid Glucocorticoid-Mediated Endocannabinoid Release and Opposing Regulation of Glutamate and $\hat{1}^3$ -Aminobutyric Acid Inputs to Hypothalamic Magnocellular Neurons. <i>Endocrinology</i> , 2005, 146, 4292-4301.	2.8	263
59	Endogenous Cannabinoids Take the Edge off Neuroendocrine Responses to Stress. <i>Endocrinology</i> , 2004, 145, 5429-5430.	2.8	28
60	Dehydration-Induced Synaptic Plasticity in Magnocellular Neurons of the Hypothalamic Supraoptic Nucleus. <i>Endocrinology</i> , 2004, 145, 5141-5149.	2.8	73
61	Regulation of GABA Receptor Activity by Neurosteroids and Phosphorylation. <i>Science Signaling</i> , 2004, tr4-tr4.	3.6	2
62	Presynaptic Noradrenergic Regulation of Glutamate Inputs to Hypothalamic Magnocellular Neurones. <i>Journal of Neuroendocrinology</i> , 2003, 15, 803-810.	2.6	75
63	Increased tonic activation of presynaptic metabotropic glutamate receptors in the rat supraoptic nucleus following chronic dehydration. <i>Journal of Physiology</i> , 2003, 551, 815-823.	2.9	3
64	Increased tonic activation of presynaptic metabotropic glutamate receptors in the rat supraoptic nucleus following chronic dehydration. <i>Journal of Physiology</i> , 2003, 551, 815-823.	2.9	63
65	Nongenomic Glucocorticoid Inhibition via Endocannabinoid Release in the Hypothalamus: A Fast Feedback Mechanism. <i>Journal of Neuroscience</i> , 2003, 23, 4850-4857.	3.6	678
66	Chapter 9 Functional synaptic plasticity in hypothalamic magnocellular neurons. <i>Progress in Brain Research</i> , 2002, 139, 113-119.	1.4	38
67	Local circuit regulation of paraventricular nucleus stress integration. <i>Pharmacology Biochemistry and Behavior</i> , 2002, 71, 457-468.	2.9	240
68	Role of the paraventricular nucleus microenvironment in stress integration*. <i>European Journal of Neuroscience</i> , 2002, 16, 381-385.	2.6	137
69	Cell Biology of Oxytocin and Vasopressin Cells. , 2002, , 811-842.		2
70	Voltage-gated currents distinguish parvocellular from magnocellular neurones in the rat hypothalamic paraventricular nucleus. <i>Journal of Physiology</i> , 2000, 523, 193-209.	2.9	156
71	A Slow Transient Potassium Current Expressed in a Subset of Neurosecretory Neurons of the Hypothalamic Paraventricular Nucleus. <i>Journal of Neurophysiology</i> , 2000, 84, 1814-1825.	1.8	38
72	Neurosteroid Modulation of GABA IPSCs Is Phosphorylation Dependent. <i>Journal of Neuroscience</i> , 2000, 20, 3067-3075.	3.6	131

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73	Coregulation of Ion Channels by Neurosteroids and Phosphorylation. <i>Science Signaling</i> , 2000, 2000, pe1-pe1.	3.6	5
74	Noradrenergic regulation of parvocellular neurons in the rat hypothalamic paraventricular nucleus. <i>Neuroscience</i> , 2000, 96, 743-751.	2.3	111
75	Noradrenergic Excitation of Magnocellular Neurons in the Rat Hypothalamic Paraventricular Nucleus via Intranuclear Glutamatergic Circuits. <i>Journal of Neuroscience</i> , 1998, 18, 10619-10628.	3.6	138
76	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, 117-121.	1.6	60
77	Physiological Evidence for Local Excitatory Synaptic Circuits in the Rat Hypothalamus. <i>Journal of Neurophysiology</i> , 1997, 77, 3396-3400.	1.8	170
78	Presynaptic Modulation by Metabotropic Glutamate Receptors of Excitatory and Inhibitory Synaptic Inputs to Hypothalamic Magnocellular Neurons. <i>Journal of Neurophysiology</i> , 1997, 77, 527-527.	1.8	137
79	Modulation of Multiple Potassium Currents by Metabotropic Glutamate Receptors in Neurons of the Hypothalamic Supraoptic Nucleus. <i>Journal of Neurophysiology</i> , 1997, 78, 3428-3437.	1.8	49
80	Physiological Mapping of Local Inhibitory Inputs to the Hypothalamic Paraventricular Nucleus. <i>Journal of Neuroscience</i> , 1996, 16, 7151-7160.	3.6	297
81	Electrical properties of neocortical neurons in slices from children with intractable epilepsy. <i>Journal of Neurophysiology</i> , 1996, 75, 931-939.	1.8	41
82	Neurophysiology of neocortical slices resected from children undergoing surgical treatment for epilepsy. <i>Journal of Neuroscience Methods</i> , 1995, 59, 49-58.	2.5	26
83	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.	2.2	10
84	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> , 1993, 5, 233-240.	2.6	7
85	Local inhibitory synaptic inputs to neurones of the paraventricular nucleus in slices of rat hypothalamus.. <i>Journal of Physiology</i> , 1993, 469, 179-192.	2.9	97
86	Local synaptic circuits and epileptiform activity in slices of neocortex from children with intractable epilepsy. <i>Journal of Neurophysiology</i> , 1992, 67, 496-507.	1.8	51
87	Electrophysiological properties of neurones in the region of the paraventricular nucleus in slices of rat hypothalamus.. <i>Journal of Physiology</i> , 1991, 434, 271-293.	2.9	216
88	Comparison of three intracellular markers for combined electrophysiological, morphological and immunohistochemical analyses. <i>Journal of Neuroscience Methods</i> , 1991, 38, 129-143.	2.5	24
89	In vivo Intracellular Recording of Neurons in the Supraoptic Nucleus of the Rat Hypothalamus. <i>Journal of Neuroendocrinology</i> , 1991, 3, 383-386.	2.6	25
90	Immunohistochemical differentiation of electrophysiologically defined neuronal populations in the region of the rat hypothalamic paraventricular nucleus. <i>Journal of Comparative Neurology</i> , 1991, 307, 405-416.	1.6	85

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91	Electrophysiology of GABA-mediated synaptic transmission and possible roles in epilepsy. <i>Neurochemical Research</i> , 1991, 16, 251-262.	3.3	76
92	Synaptic transmission in human neocortex removed for treatment of intractable epilepsy in children. <i>Annals of Neurology</i> , 1990, 28, 503-511.	5.3	67
93	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, 267-270.	2.1	163
94	Intrinsic and synaptic mechanisms of hypothalamic neurons studied with slice and explant preparations. <i>Journal of Neuroscience Methods</i> , 1989, 28, 59-69.	2.5	18
95	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, 32-38.	1.5	10
96	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.	2.3	38
97	Recurrent mammary gland contractions induced by a low tonic release of oxytocin in rats. <i>Journal of Endocrinology</i> , 1985, 107, 89-96.	2.6	12