Martin J Kelly

List of Publications by Year
in descending order

64 papers	5,377 citations	87888 38 h-index	118850 62 g-index
68 all docs	68 docs citations	68 times ranked	3921 citing authors

#	Article	IF	Citations
1	Hypothalamic Kisspeptin Neurons and the Control of Homeostasis. Endocrinology, 2022, 163, .	2.8	12
2	Estrogenic regulation of reproduction and energy homeostasis by a triumvirate of hypothalamic arcuate neurons. Journal of Neuroendocrinology, 2022, 34, e13145.	2.6	8
3	Membrane and nuclear initiated estrogenic regulation of homeostasis. Steroids, 2021, 168, 108428.	1.8	1
4	CRISPR knockdown of Kcnq3 attenuates the M-current and increases excitability of NPY/AgRP neurons to alter energy balance. Molecular Metabolism, 2021, 49, 101218.	6.5	11
5	Arcuate and Preoptic Kisspeptin Neurons Exhibit Differential Projections to Hypothalamic Nuclei and Exert Opposite Postsynaptic Effects on Hypothalamic Paraventricular and Dorsomedial Nuclei in the Female Mouse. ENeuro, 2021, 8, ENEURO.0093-21.2021.	1.9	16
6	Deletion of<i>Stim1</i>in Hypothalamic Arcuate Nucleus Kiss1 Neurons Potentiates Synchronous GCaMP Activity and Protects against Diet-Induced Obesity. Journal of Neuroscience, 2021, 41, 9688-9701.	3.6	10
7	Estradiol Protects Neuropeptide Y/Agouti-Related Peptide Neurons against Insulin Resistance in Females. Neuroendocrinology, 2020, 110, 105-118.	2.5	18
8	Photorelease of 2-Arachidonoylglycerol in Live Cells. Journal of the American Chemical Society, 2019, 141, 16544-16547.	13.7	19
9	Arcuate Kisspeptin Neurons Coordinate Reproductive Activities with Metabolism. Seminars in Reproductive Medicine, 2019, 37, 131-140.	1.1	22
10	The 3rd World Conference on Kisspeptin, â€œKisspeptin 2017: Brain and Beyondâ€ Unresolved questions, challenges and future directions for the field. Journal of Neuroendocrinology, 2018, 30, e12600.	2.6	12
11	Estradiol Protects Proopiomelanocortin Neurons Against Insulin Resistance. Endocrinology, 2018, 159, 647-664.	2.8	52
12	Diverse actions of estradiol on anorexigenic and orexigenic hypothalamic arcuate neurons. Hormones and Behavior, 2018, 104, 146-155.	2.1	40
13	TRPCing around the hypothalamus. Frontiers in Neuroendocrinology, 2018, 51, 116-124.	5.2	16
14	Estradiol Drives the Anorexigenic Activity of Proopiomelanocortin Neurons in Female Mice. ENeuro, 2018, 5, ENEURO.0103-18.2018.	1.9	38
15	Estrogenic-dependent glutamatergic neurotransmission from kisspeptin neurons governs feeding circuits in females. ELife, 2018, 7, .	6.0	69
16	AgRP to Kiss1 neuron signaling links nutritional state and fertility. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2413-2418.	7.1	168
17	Optogenetic Stimulation of Arcuate Nucleus Kiss1 Neurons Reveals a Steroid-Dependent Glutamatergic Input to POMC and AgRP Neurons in Male Mice. Molecular Endocrinology, 2016, 30, 630-644.	3.7	89
18	Estradiol Rapidly Attenuates ORL-1 Receptor-Mediated Inhibition of Proopiomelanocortin Neurons via G_q-Coupled, Membrane-Initiated Signaling. Neuroendocrinology, 2016, 103, 787-805.	2.5	21

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19	Agouti-related peptide neural circuits mediate adaptive behaviors in the starved state. Nature Neuroscience, 2016, 19, 734-741.	14.8	223
20	High-frequency stimulation-induced peptide release synchronizes arcuate kisspeptin neurons and excites GnRH neurons. ELife, 2016, 5, .	6.0	159
21	17Î²-Estradiol Increases Persistent Na+ Current and Excitability of AVPV/PeN Kiss1 Neurons in Female Mice. Molecular Endocrinology, 2015, 29, 518-527.	3.7	44
22	Minireview: Neural Signaling of Estradiol in the Hypothalamus. Molecular Endocrinology, 2015, 29, 645-657.	3.7	38
23	Cross-talk between reproduction and energy homeostasis: central impact of estrogens, leptin and kisspeptin signaling. Hormone Molecular Biology and Clinical Investigation, 2014, 17, 109-128.	0.7	34
24	Research Resource: Gene Profiling of G Proteinâ€“Coupled Receptors in the Arcuate Nucleus of the Female. Molecular Endocrinology, 2014, 28, 1362-1380.	3.7	21
25	Insulin Excites Anorexigenic Proopiomelanocortin Neurons via Activation of Canonical Transient Receptor Potential Channels. Cell Metabolism, 2014, 19, 682-693.	16.2	179
26	A selective membrane estrogen receptor agonist maintains autonomic functions in hypoestrogenic states. Brain Research, 2013, 1514, 75-82.	2.2	9
27	Pacemaking kisspeptin neurons. Experimental Physiology, 2013, 98, 1535-1543.	2.0	22
28	Kisspeptin inhibits a slow afterhyperpolarization current via protein kinase C and reduces spike frequency adaptation in GnRH neurons. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E1237-E1244.	3.5	22
29	Molecular mechanisms that drive estradiol-dependent burst firing of Kiss1 neurons in the rostral periventricular preoptic area. American Journal of Physiology - Endocrinology and Metabolism, 2013, 305, E1384-E1397.	3.5	57
30	Kisspeptin Activation of TRPC4 Channels in Female GnRH Neurons Requires PIP2 Depletion and cSrc Kinase Activation. Endocrinology, 2013, 154, 2772-2783.	2.8	51
31	Introduction. Neuroendocrinology, 2012, 96, 101-2.	2.5	0
32	Membrane-initiated actions of estradiol that regulate reproduction, energy balance and body temperature. Frontiers in Neuroendocrinology, 2012, 33, 376-387.	5.2	32
33	Physiological consequences of membrane-initiated estrogen signaling in the brain. Frontiers in Bioscience - Landmark, 2011, 16, 1560.	3.0	93
34	Fasting and 17Î²-Estradiol Differentially Modulate the M-Current in Neuropeptide Y Neurons. Journal of Neuroscience, 2011, 31, 11825-11835.	3.6	70
35	Molecular Properties of Kiss1 Neurons in the Arcuate Nucleus of the Mouse. Endocrinology, 2011, 152, 4298-4309.	2.8	113
36	Guinea Pig Kisspeptin Neurons Are Depolarized by Leptin via Activation of TRPC Channels. Endocrinology, 2011, 152, 1503-1514.	2.8	130

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37	Leptin Excites Proopiomelanocortin Neurons via Activation of TRPC Channels. Journal of Neuroscience, 2010, 30, 1560-1565.	3.6	176
38	Contribution of a Membrane Estrogen Receptor to the Estrogenic Regulation of Body Temperature and Energy Homeostasis. Endocrinology, 2010, 151, 4926-4937.	2.8	101
39	Control of CNS neuronal excitability by estrogens via membrane-initiated signaling. Molecular and Cellular Endocrinology, 2009, 308, 17-25.	3.2	65
40	Membrane-initiated estrogen signaling in hypothalamic neurons. Molecular and Cellular Endocrinology, 2008, 290, 14-23.	3.2	94
41	Modulation of hypothalamic neuronal activity through a novel G-protein-coupled estrogen membrane receptor. Steroids, 2008, 73, 985-991.	1.8	103
42	Kisspeptin Depolarizes Gonadotropin-Releasing Hormone Neurons through Activation of TRPC-Like Cationic Channels. Journal of Neuroscience, 2008, 28, 4423-4434.	3.6	208
43	A G-Protein-Coupled Estrogen Receptor Is Involved in Hypothalamic Control of Energy Homeostasis. Journal of Neuroscience, 2006, 26, 5649-5655.	3.6	202
44	Estrogen Signaling in the Hypothalamus. Vitamins and Hormones, 2005, 71, 123-145.	1.7	44
45	Estrogen Modulation of Gâ€Proteinâ€Coupled Receptor Activation of Potassium Channels in the Central Nervous System. Annals of the New York Academy of Sciences, 2003, 1007, 6-9.	3.8	104
46	Hypothalamic Proopiomelanocortin Neurons Are Glucose Responsive and Express KATPChannels. Endocrinology, 2003, 144, 1331-1340.	2.8	324
47	Rapid Signaling of Estrogen in Hypothalamic Neurons Involves a Novel G-Protein-Coupled Estrogen Receptor that Activates Protein Kinase C. Journal of Neuroscience, 2003, 23, 9529-9540.	3.6	411
48	Baclofen inhibits guinea pig magnocellular neurones via activation of an inwardly rectifying K+ conductance. Journal of Physiology, 2003, 551, 295-308.	2.9	25
49	Estrogen modulation of K+ channel activity in hypothalamic neurons involved in the control of the reproductive axis. Steroids, 2002, 67, 447-456.	1.8	71
50	Rapid effects of estrogen on G protein-coupled receptor activation of potassium channels in the central nervous system (CNS). Journal of Steroid Biochemistry and Molecular Biology, 2002, 83, 187-193.	2.5	106
51	GnRH neurons and episodic bursting activity. Trends in Endocrinology and Metabolism, 2002, 13, 409-410.	7.1	36
52	Rapid actions of plasma membrane estrogen receptors. Trends in Endocrinology and Metabolism, 2001, 12, 152-156.	7.1	573
53	Effect of the Î¼-Opioid Agonist DAMGO on Medial Basal Hypothalamic Neurons in Beta-Endorphin Knockout Mice. Neuroendocrinology, 2000, 72, 208-217.	2.5	24
54	Modulation of G Protein-Coupled Receptors by an Estrogen Receptor that Activates Protein Kinase A. Molecular Pharmacology, 1997, 51, 605-612.	2.3	193

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55	Effects of estrogen on the number of neurons expressing Î²â€endorphin in the medial basal hypothalamus of the female guinea pig. Journal of Comparative Neurology, 1994, 341, 68-77.	1.6	55
56	Opioids Hyperpolarize Î²-Endorphin Neurons via Î¼-Receptor Activation of a Potassium Conductance. Neuroendocrinology, 1990, 52, 268-275.	2.5	87
57	Pro-Gonadotropin-Releasing Hormone (ProGnRH) and GnRH Content in the Preoptic Area and the Basal Hypothalamus of Anterior Medial Preoptic Nucleus/Suprachiasmatic Nucleus-Lesioned Persistent Estrous Rats*. Endocrinology, 1990, 127, 2654-2664.	2.8	47
58	Opioids act at Î¼-receptors to hyperpolarize arcuate neurons via an inwardly rectifying potassium conductance. Brain Research, 1990, 513, 15-23.	2.2	70
59	Plasma Prolactin and Luteinizing Hormone Profiles during the Estrous Cycle of the Female Rat: Effects of Surgically Induced Persistent Estrus. Neuroendocrinology, 1988, 47, 133-141.	2.5	48
60	Luteinizing Hormone-Releasing Hormone Neuronal System during the Estrous Cycle of the Female Rat:. Neuroendocrinology, 1986, 43, 564-576.	2.5	66
61	A new antiserum with conformational specificity for LHRH: Usefulness for radioimmunoassay and immunocytochemistry. Peptides, 1985, 6, 45-52.	2.4	89
62	Distribution of Substance P Neurons in the Epithalamus of the Rat: An Immunohistochemical Investigation. Journal of Pineal Research, 1984, 1, 355-370.	7.4	42
63	Distribution of immunoreactive substance P neurons in the hypothalamus and pituitary of the rhesus monkey. Journal of Comparative Neurology, 1984, 224, 51-59.	1.6	35
64	Tuberoinfundibular neurons: Dopaminergic and norepinephrinergic sensitivity. Brain Research, 1975, 89, 265-277.	2.2	54