

# Kevin T O'byrne

## List of Publications by Year in descending order

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70  
papers

3,016  
citations

147566

31  
h-index

174990

52  
g-index

77  
all docs

77  
docs citations

77  
times ranked

1596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Downâ€Regulation of Hypothalamic <i>Kisspeptin</i> and its Receptor, <i>Kiss1r</i> , mRNA Expression is Associated with Stressâ€Induced Suppression of Luteinising Hormone Secretion in the Female Rat. <i>Journal of Neuroendocrinology</i> , 2009, 21, 20-29.	1.2	165
2	Kisspeptin Signalling in the Hypothalamic Arcuate Nucleus Regulates GnRH Pulse Generator Frequency in the Rat. <i>PLoS ONE</i> , 2009, 4, e8334.	1.1	163
3	Hypoglycemic â€Stressâ™ and Gonadotropin-Releasing Hormone Pulse Generator Activity in the Rhesus Monkey: Role of the Ovary. <i>Neuroendocrinology</i> , 1992, 56, 666-673.	1.2	144
4	Effects of ghrelin on Kisspeptin mRNA expression in the hypothalamic medial preoptic area and pulsatile luteinising hormone secretion in the female rat. <i>Neuroscience Letters</i> , 2009, 460, 143-147.	1.0	125
5	Radiotelemetric Monitoring of Hypothalamic Gonadotropin-Releasing Hormone Pulse Generator Activity Throughout the Menstrual Cycle of the Rhesus Monkey <sup>*</sup> . <i>Endocrinology</i> , 1991, 129, 1207-1214.	1.4	120
6	The Inhibitory Effects of Neurokinin B on GnRH Pulse Generator Frequency in the Female Rat. <i>Endocrinology</i> , 2012, 153, 307-315.	1.4	101
7	Differential Role of Corticotrophin-Releasing Factor Receptor Types 1 and 2 in Stress-Induced Suppression of Pulsatile Luteinising Hormone Secretion in the Female Rat. <i>Journal of Neuroendocrinology</i> , 2006, 18, 602-610.	1.2	85
8	The insulin hypoglycemia-induced inhibition of gonadotropin-releasing hormone pulse generator activity in the rhesus monkey: roles of vasopressin and corticotropin-releasing factor.. <i>Endocrinology</i> , 1996, 137, 2012-2021.	1.4	83
9	Suppression of the GnRH Pulse Generator by Neurokinin B Involves a $\mu$ -Opioid Receptor-Dependent Mechanism. <i>Endocrinology</i> , 2012, 153, 4894-4904.	1.4	82
10	Neonatal Lipopolysaccharide Exposure Delays Puberty and Alters Hypothalamic <i>Kiss1</i> and <i>Kiss1r</i> mRNA Expression in the Female Rat. <i>Journal of Neuroendocrinology</i> , 2009, 21, 683-689.	1.2	80
11	Role of Corticotropin-Releasing Factor Receptor-2 in Stress-Induced Suppression of Pulsatile Luteinizing Hormone Secretion in the Rat. <i>Endocrinology</i> , 2005, 146, 318-322.	1.4	79
12	Effects of Kisspeptin-10 on the Electrophysiological Manifestation of Gonadotropin-Releasing Hormone Pulse Generator Activity in the Female Rat. <i>Endocrinology</i> , 2008, 149, 1004-1008.	1.4	77
13	Corticotrophin-releasing factor and stress-induced inhibition of the gonadotrophin-releasing hormone pulse generator in the female. <i>Brain Research</i> , 2010, 1364, 153-163.	1.1	77
14	High-Fat Diet Increases LH Pulse Frequency and Kisspeptin-Neurokinin B Expression in Puberty-Advanced Female Rats. <i>Endocrinology</i> , 2012, 153, 4422-4431.	1.4	77
15	The Effect of Oestradiol and Progesterone on Hypoglycaemic Stressâ€Induced Suppression of Pulsatile Luteinizing Hormone Release and on Corticotropinâ€Releasing Hormone mRNA Expression in the Rat. <i>Journal of Neuroendocrinology</i> , 2003, 15, 468-476.	1.2	67
16	Kisspeptin signaling in the amygdala modulates reproductive hormone secretion. <i>Brain Structure and Function</i> , 2016, 221, 2035-2047.	1.2	66
17	Relative Importance of the Arcuate and Anteroventral Periventricular Kisspeptin Neurons in Control of Puberty and Reproductive Function in Female Rats. <i>Endocrinology</i> , 2015, 156, 2619-2631.	1.4	64
18	Kisspeptin neurones in the posterodorsal medial amygdala modulate sexual partner preference and anxiety in male mice. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12572.	1.2	61

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19	Hypoglycaemia-induced Inhibition of Pulsatile Luteinizing Hormone Secretion in Female Rats: Role of Oestradiol, Endogenous Opioids and the Adrenal Medulla. <i>Journal of Neuroendocrinology</i> , 1997, 9, 867-872.	1.2	59
20	GPR54-Dependent Stimulation of Luteinizing Hormone Secretion by Neurokinin B in Prepubertal Rats. <i>PLoS ONE</i> , 2012, 7, e44344.	1.1	59
21	Stress-Induced Suppression of the Gonadotropin-Releasing Hormone Pulse Generator in the Female Rat: A Novel Neural Action for Calcitonin Gene-Related Peptide. <i>Endocrinology</i> , 2004, 145, 1556-1563.	1.4	58
22	The Role of the Medial and Central Amygdala in Stress-Induced Suppression of Pulsatile LH Secretion in Female Rats. <i>Endocrinology</i> , 2011, 152, 545-555.	1.4	55
23	The Influence of 17 $\beta$ -oestradiol on Corticotrophin-releasing Hormone Induced Suppression of Luteinising Hormone Pulses and the Role of CRH in Hypoglycaemic Stress-induced Suppression of Pulsatile LH Secretion in the Female Rat. <i>Stress</i> , 2004, 7, 113-118.	0.8	53
24	The Role of the Locus Coeruleus in Corticotrophin-Releasing Hormone and Stress-Induced Suppression of Pulsatile Luteinizing Hormone Secretion in the Female Rat. <i>Endocrinology</i> , 2005, 146, 323-331.	1.4	53
25	The Origin of GnRH Pulse Generation: An Integrative Mathematical-Experimental Approach. <i>Journal of Neuroscience</i> , 2019, 39, 9738-9747.	1.7	49
26	Kisspeptin in the medial amygdala and sexual behavior in male rats. <i>Neuroscience Letters</i> , 2016, 627, 13-17.	1.0	45
27	Electrophysiological approaches to gonadotrophin releasing hormone pulse generator activity in the rhesus monkey. <i>Human Reproduction</i> , 1993, 8, 37-40.	0.4	44
28	Neonatal Lipopolysaccharide Exposure Exacerbates Stress-Induced Suppression of Luteinizing Hormone Pulse Frequency in Adulthood. <i>Endocrinology</i> , 2007, 148, 5984-5990.	1.4	41
29	Corticotrophin-releasing Factor Alters the Timing of Puberty in the Female Rat. <i>Journal of Neuroendocrinology</i> , 2010, 22, 102-109.	1.2	40
30	Neonatal programming by immunological challenge: effects on ovarian function in the adult rat. <i>Reproduction</i> , 2011, 141, 241-248.	1.1	39
31	Hypothalamic effects of progesterone on regulation of the pulsatile and surge release of luteinising hormone in female rats. <i>Scientific Reports</i> , 2017, 7, 8096.	1.6	38
32	The Posterodorsal Medial Amygdala Regulates the Timing of Puberty Onset in Female Rats. <i>Endocrinology</i> , 2015, 156, 3725-3736.	1.4	37
33	The Effects of the Phytoestrogen, Coumestrol, on Gonadotropin-Releasing Hormone (GnRH) mRNA Expression in GT1-7 GnRH Neurones. <i>Journal of Neuroendocrinology</i> , 2003, 15, 105-108.	1.2	31
34	Neurokinin B Signaling in the Female Rat: a Novel Link Between Stress and Reproduction. <i>Endocrinology</i> , 2014, 155, 2589-2601.	1.4	31
35	Role of amygdala kisspeptin in pubertal timing in female rats. <i>PLoS ONE</i> , 2017, 12, e0183596.	1.1	30
36	Stress-Induced Suppression of Pulsatile Luteinising Hormone Release in the Female Rat: Role of Vasopressin. <i>Journal of Neuroendocrinology</i> , 2001, 11, 677-683.	1.2	27

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37	Optogenetic stimulation of kisspeptin neurones within the posterodorsal medial amygdala increases luteinising hormone pulse frequency in female mice. <i>Journal of Neuroendocrinology</i> , 2020, 32, e12823.	1.2	27
38	Effects of acute stress on the patterns of LH secretion in the common marmoset ( <i>Callithrix jacchus</i> ). <i>Journal of Endocrinology</i> , 1988, 118, 259-264.	1.2	26
39	Phytoestrogens and Gonadotropin-Releasing Hormone Pulse Generator Activity and Pituitary Luteinizing Hormone Release in the Rat. , 0, .		26
40	Overexpression of Corticotropin Releasing Factor in the Central Nucleus of the Amygdala Advances Puberty and Disrupts Reproductive Cycles in Female Rats. <i>Endocrinology</i> , 2014, 155, 3934-3944.	1.4	22
41	Dynamic Hormone Control of Stress and Fertility. <i>Frontiers in Physiology</i> , 2020, 11, 598845.	1.3	22
42	Neurokinin B Receptor Antagonism Decreases Luteinising Hormone Pulse Frequency and Amplitude and Delays Puberty Onset in the Female Rat. <i>Journal of Neuroendocrinology</i> , 2014, 26, 521-527.	1.2	21
43	Naloxone reversal of stress-induced suppression of LH release in the common marmoset. <i>Physiology and Behavior</i> , 1989, 45, 1077-1080.	1.0	20
44	Lipopolysaccharide reduces gonadotrophin-releasing hormone (GnRH) gene expression: role of RFamide-related peptide-3 and kisspeptin. <i>Reproduction, Fertility and Development</i> , 2019, 31, 1134.	0.1	20
45	Calcitonin gene-related peptide-induced suppression of luteinizing hormone pulses in the rat: the role of endogenous opioid peptides. <i>Journal of Physiology</i> , 2005, 566, 921-928.	1.3	19
46	Corticotrophin-releasing factor type 2 receptor-mediated suppression of gonadotrophin-releasing hormone mRNA expression in GT1-7 cells. <i>Stress</i> , 2006, 9, 215-222.	0.8	19
47	The role of corticotrophin-releasing hormone receptors in the calcitonin gene-related peptide-induced suppression of pulsatile luteinising hormone secretion in the female rat. <i>Stress</i> , 2008, 11, 312-319.	0.8	19
48	Stress-induced inhibition of LH pulses in female rats: role of GABA in arcuate nucleus. <i>Journal of Molecular Endocrinology</i> , 2015, 55, 9-19.	1.1	19
49	The insulin hypoglycemia-induced inhibition of gonadotropin-releasing hormone pulse generator activity in the rhesus monkey: roles of vasopressin and corticotropin-releasing factor. , 0, .		19
50	The Role of the Bed Nucleus of the Stria Terminalis in Stress-Induced Inhibition of Pulsatile Luteinising Hormone Secretion in the Female Rat. <i>Journal of Neuroendocrinology</i> , 2011, 23, 3-11.	1.2	18
51	The Role of GABAergic Signalling in Stress-Induced Suppression of Gonadotrophin-Releasing Hormone Pulse Generator Frequency in Female Rats. <i>Journal of Neuroendocrinology</i> , 2012, 24, 477-488.	1.2	18
52	Maternal High Triglyceride Levels During Early Pregnancy and Risk of Preterm Delivery: A Retrospective Cohort Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 1249-1258.	1.8	18
53	Stress Regulation of Kisspeptin in the Modulation of Reproductive Function. <i>Advances in Experimental Medicine and Biology</i> , 2013, 784, 431-454.	0.8	17
54	Modulation of pulsatile GnRH dynamics across the ovarian cycle via changes in the network excitability and basal activity of the arcuate kisspeptin network. <i>ELife</i> , 2021, 10, .	2.8	17

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55	Role of the posterodorsal medial amygdala in predator odour stress-induced puberty delay in female rats. <i>Journal of Neuroendocrinology</i> , 2019, 31, e12719.	1.2	16
56	Ambient light modifies gonadotropin-releasing hormone pulse generator frequency in the rhesus monkey. <i>Endocrinology</i> , 1993, 133, 1520-1524.	1.4	15
57	Kisspeptin as a Behavioral Hormone. <i>Seminars in Reproductive Medicine</i> , 2019, 37, 056-063.	0.5	14
58	Quantification of Rat Kisspeptin Using a Novel Radioimmunoassay. <i>PLoS ONE</i> , 2014, 9, e97611.	1.1	11
59	A role for the medial preoptic area in CGRP-induced suppression of pulsatile LH secretion in the female rat. <i>Stress</i> , 2009, 12, 259-267.	0.8	10
60	Hypothalamic Prolactin Regulation of Luteinizing Hormone Secretion in the Female Rat. <i>Endocrinology</i> , 2015, 156, 2880-2892.	1.4	10
61	Urocortin3 in the Posterodorsal Medial Amygdala Mediates Stress-induced Suppression of LH Pulsatility in Female Mice. <i>Endocrinology</i> , 2021, 162, .	1.4	10
62	Posterodorsal Medial Amygdala Mediates Tail-Pinch Induced Food Intake in Female Rats. <i>Journal of Neuroendocrinology</i> , 2016, 28, .	1.2	9
63	Effect of Calcitonin Gene-Related Peptide on Gonadotrophin-Releasing Hormone mRNA Expression in GT1-7 Cells. <i>Journal of Neuroendocrinology</i> , 2005, 17, 541-544.	1.2	8
64	Regulation of the gonadotropin-releasing hormone neuron during stress. <i>Journal of Neuroendocrinology</i> , 2022, 34, e13098.	1.2	8
65	The Roles of the Amygdala Kisspeptin System. <i>Seminars in Reproductive Medicine</i> , 2019, 37, 064-070.	0.5	7
66	Stress and the Reproductive System. , 2015, , 1637-1660.		6
67	Dynorphin and GABAA Receptor Signaling Contribute to Progesterone's Inhibition of the LH Surge in Female Mice. <i>Endocrinology</i> , 2020, 161, .	1.4	6
68	The effects of small litter rearing on ovarian function at puberty and adulthood in the rat. <i>Reproductive Biology</i> , 2016, 16, 130-137.	0.9	5
69	Role of Posterodorsal Medial Amygdala Urocortin-3 in Pubertal Timing in Female Mice. <i>Frontiers in Endocrinology</i> , 2022, 13, .	1.5	4
70	Ambient light modifies gonadotropin-releasing hormone pulse generator frequency in the rhesus monkey. , 0, .		2