Iain J Clarke

List of Publications by Year
in descending order

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93	6,588	87723 38	62479 80
papers	citations	h-index	g-index

96	96	96	3224
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	THE TEMPORAL RELATIONSHIP BETWEEN GONADOTROPIN RELEASING HORMONE (GnRH) AND LUTEINIZING HORMONE (LH) SECRETION IN OVARIECTOMIZED EWES¹. Endocrinology, 1982, 111, 1737-1739.	1.4	945
2	Kisspeptin Neurons in the Arcuate Nucleus of the Ewe Express Both Dynorphin A and Neurokinin B. Endocrinology, 2007, 148, 5752-5760.	1.4	581
3	Variation in Kisspeptin and RFamide-Related Peptide (RFRP) Expression and Terminal Connections to Gonadotropin-Releasing Hormone Neurons in the Brain: A Novel Medium for Seasonal Breeding in the Sheep. Endocrinology, 2008, 149, 5770-5782.	1.4	335
4	KiSS-1 Messenger Ribonucleic Acid Expression in the Hypothalamus of the Ewe Is Regulated by Sex Steroids and Season. Endocrinology, 2007, 148, 1150-1157.	1.4	331
5	Potent Action of RFamide-Related Peptide-3 on Pituitary Gonadotropes Indicative of a Hypophysiotropic Role in the Negative Regulation of Gonadotropin Secretion. Endocrinology, 2008, 149, 5811-5821.	1.4	301
6	Kisspeptin Cells in the Ewe Brain Respond to Leptin and Communicate with Neuropeptide Y and Proopiomelanocortin Cells. Endocrinology, 2010, 151, 2233-2243.	1.4	243
7	Kisspeptin Is Essential for the Full Preovulatory LH Surge and Stimulates GnRH Release from the Isolated Ovine Median Eminence. Endocrinology, 2011, 152, 1001-1012.	1.4	210
8	Central Administration of Leptin to Ovariectomized Ewes Inhibits Food Intake without Affecting the Secretion of Hormones from the Pituitary Gland: Evidence for a Dissociation of Effects on Appetite and Neuroendocrine Function*. Endocrinology, 1999, 140, 1175-1182.	1.4	188
9	Effect of RF-Amide-Related Peptide-3 on Luteinizing Hormone and Follicle-Stimulating Hormone Synthesis and Secretion in Ovine Pituitary Gonadotropes. Endocrinology, 2009, 150, 5549-5556.	1.4	180
10	Direct Pituitary Effects of Estrogen and Progesterone on Gonadotropin Secretion in the Ovariectomized Ewe. Neuroendocrinology, 1984, 39, 267-274.	1.2	165
11	Gonadotropin-Inhibitory Hormone Is a Hypothalamic Peptide That Provides a Molecular Switch between Reproduction and Feeding. Neuroendocrinology, 2012, 95, 305-316.	1.2	159
12	Effect of Restricted Feeding on the Concentrations of Growth Hormone (GH), Gonadotropins, and Prolactin (PRL) in Plasma, and on the Amounts of Messenger Ribonucleic Acid for GH, Gonadotropin Subunits, and PRL in the Pituitary Glands of Adult Ovariectomized Ewes*. Endocrinology, 1990, 126, 1361-1367.	1.4	145
13	Effects of Central Infusion of Ghrelin on Food Intake and Plasma Levels of Growth Hormone, Luteinizing Hormone, Prolactin, and Cortisol Secretion in Sheep. Endocrinology, 2006, 147, 510-519.	1.4	132
14	Localization of Leptin Receptor-Like Immunoreactivity in the Corticotropes, Somatotropes, and Gonadotropes in the Ovine Anterior Pituitary1. Endocrinology, 2000, 141, 1515-1520.	1.4	109
15	Gonadotropin-Inhibitory Hormone (GnIH) Secretion into the Ovine Hypophyseal Portal System. Endocrinology, 2012, 153, 3368-3375.	1.4	94
16	Cortisol Reduces Gonadotropin-Releasing Hormone Pulse Frequency in Follicular Phase Ewes: Influence of Ovarian Steroids. Endocrinology, 2009, 150, 341-349.	1.4	93
17	Evidence that RF-amide related peptides are inhibitors of reproduction in mammals. Frontiers in Neuroendocrinology, 2009, 30, 371-378.	2.5	89
18	Long-Term Alterations in Adiposity Affect the Expression of Melanin-Concentrating Hormone and Enkephalin But Not Proopiomelanocortin in the Hypothalamus of Ovariectomized Ewes1. Endocrinology, 2000, 141, 1506-1514.	1.4	78

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19	Immunohistochemical characterization of localization of long-form leptin receptor (OB-Rb) in neurochemically defined cells in the ovine hypothalamus. Brain Research, 2001, 920, 55-64.	1.1	75
20	Kisspeptin and seasonality in sheep. Peptides, 2009, 30, 154-163.	1.2	74
21	Gonadotropin inhibitory hormone function in mammals. Trends in Endocrinology and Metabolism, 2010, 21, 255-260.	3.1	74
22	Control of GnRH secretion: One step back. Frontiers in Neuroendocrinology, 2011, 32, 367-375.	2.5	72
23	Synthesis and secretion of GnRH. Animal Reproduction Science, 2005, 88, 29-55.	0.5	71
24	Projections from the arcuate/ventromedial region of the hypothalamus to the preoptic area and bed nucleus of stria terminalis in the brain of the ewe; lack of direct input to gonadotropin-releasing hormone neurons. Brain Research, 2001, 904, 1-12.	1.1	68
25	The NK3 Receptor Antagonist ESN364 Interrupts Pulsatile LH Secretion and Moderates Levels of Ovarian Hormones Throughout the Menstrual Cycle. Endocrinology, 2015, 156, 4214-4225.	1.4	66
26	Increased Galanin and Neuropeptide-Y Immunoreactivity within the Hypothalamus of Ovariectomised Ewes following a Prolonged Period of Reduced Body Weight Is Associated with Changes in Plasma Growth Hormone but Not Gonadotropin Levels. Neuroendocrinology, 1996, 64, 194-207.	1.2	65
27	Neurochemical Characterization and Sexual Dimorphism of Projections from the Brain to Abdominal and Subcutaneous White Adipose Tissue in the Rat. Journal of Neuroscience, 2012, 32, 15913-15921.	1.7	62
28	Hypothalamic control of photoperiod-induced cycles in food intake, body weight, and metabolic hormones in rams. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2001, 281, R76-R90.	0.9	58
29	Profiling Postprandial Thermogenesis in Muscle and Fat of Sheep and the Central Effect of Leptin Administration. Endocrinology, 2008, 149, 2019-2026.	1.4	51
30	Melanocortins Mimic the Effects of Leptin to Restore Reproductive Function in Lean Hypogonadotropic Ewes. Neuroendocrinology, 2010, 91, 27-40.	1.2	50
31	Luteinizing Hormone-Î² mRNA Levels Are Regulated Primarily by Gonadotropin-Releasing Hormone and Not by Negative Estrogen Feedback on the Pituitary. Neuroendocrinology, 1988, 47, 563-566.	1.2	48
32	Differential expression of cocaine- and amphetamine-regulated transcript and agouti related-protein in chronically food-restricted sheep. Brain Research, 2001, 918, 40-50.	1.1	47
33	Sex, Fat and the Tilt of the Earth: Effects of Sex and Season on the Feeding Response to Centrally Administered Leptin in Sheep. Endocrinology, 2001, 142, 2725-2725.	1.4	47
34	Photoperiod effects on gene expression for hypothalamic appetite-regulating peptides and food intake in the ram. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2003, 284, R101-R115.	0.9	47
35	Evidence that Neurokinin B Controls Basal Gonadotropin-Releasing Hormone Secretion but Is Not Critical for Estrogen-Positive Feedback in Sheep. Neuroendocrinology, 2015, 101, 161-174.	1.2	47
36	Interface between metabolic balance and reproduction in ruminants: Focus on the hypothalamus and pituitary. Hormones and Behavior, 2014, 66, 15-40.	1.0	46

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37	Central Leptin Activates Mitochondrial Function and Increases Heat Production in Skeletal Muscle. Endocrinology, 2011, 152, 2609-2618.	1.4	44
38	Diverse intracellular signalling systems used by growth hormoneâ€releasing hormone in regulating voltageâ€gated Ca2+or K+channels in pituitary somatotropes. Immunology and Cell Biology, 2000, 78, 356-368.	1.0	40
39	Brown adipose tissue thermogenesis in polycystic ovary syndrome. Clinical Endocrinology, 2019, 90, 425-432.	1.2	40
40	Î±-Melanocyte stimulating hormone promotes muscle glucose uptake via melanocortin 5 receptors. Molecular Metabolism, 2016, 5, 807-822.	3.0	39
41	Responses of the Hypothalamopituitary Adrenal Axis and the Sympathoadrenal System to Isolation/Restraint Stress in Sheep of Different Adiposity. Neuroendocrinology, 2008, 87, 193-205.	1.2	36
42	Kisspeptin Is a Component of the Pulse Generator for GnRH Secretion in Female Sheep But Not THE Pulse Generator. Endocrinology, 2015, 156, 1828-1837.	1.4	36
43	Localization of long-form leptin receptor in the somatostatin-containing neurons in the sheep hypothalamus. Brain Research, 2000, 887, 1-6.	1.1	35
44	Y2 Receptor-Selective Agonist Delays the Estrogen-Induced Luteinizing Hormone Surge in Ovariectomized Ewes, but Y1-Receptor-Selective Agonist Stimulates Voluntary Food Intake. Endocrinology, 2005, 146, 769-775.	1.4	33
45	Stress Increases Gonadotropin Inhibitory Hormone Cell Activity and Input to GnRH Cells in Ewes. Endocrinology, 2016, 157, 4339-4350.	1.4	33
46	Transcription rate of the follicle stimulating hormone (FSH) Î² subunit gene is reduced by inhibin in sheep but this does not fully explain the decrease in mRNA. Molecular and Cellular Endocrinology, 1993, 91, 211-216.	1.6	32
47	Kisspeptin and Seasonality of Reproduction. Advances in Experimental Medicine and Biology, 2013, 784, 411-430.	0.8	32
48	PLASMA FOLLISTATIN CONCENTRATIONS INCREASE FOLLOWING LIPOPOLYSACCHARIDE ADMINISTRATION IN SHEEP. Clinical and Experimental Pharmacology and Physiology, 1996, 23, 754-755.	0.9	31
49	Paradoxical Effect of Gonadotrophinâ€Inhibiting Hormone to Negatively Regulate Neuropeptide Y Neurones in Mouse Arcuate Nucleus. Journal of Neuroendocrinology, 2013, 25, 1308-1317.	1.2	31
50	Effects of Growth Hormone-Releasing Peptide-2 (GHRP-2) on Membrane Ca2+Permeability in Cultured Ovine Somatotrophs. Journal of Neuroendocrinology, 1995, 7, 179-186.	1.2	30
51	Sex Differences in the Metabolic Effects of Testosterone in Sheep. Endocrinology, 2012, 153, 123-131.	1.4	29
52	Intensive Direct Cavernous Sinus Sampling Identifies High-Frequency, Nearly Random Patterns of FSH Secretion in Ovariectomized Ewes: Combined Appraisal by RIA and Bioassay. Endocrinology, 2002, 143, 117-129.	1.4	28
53	The Action of Leptin on Appetite-Regulating Cells in the Ovine Hypothalamus: Demonstration of Direct Action in the Absence of the Arcuate Nucleus. Endocrinology, 2010, 151, 2106-2116.	1.4	28
54	Stress-induced behavioral and metabolic adaptations lead to an obesity-prone phenotype in ewes with elevated cortisol responses. Psychoneuroendocrinology, 2014, 47, 166-177.	1.3	28

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55	Influence of photoperiod and gonadal status on food intake, adiposity, and gene expression of hypothalamic appetite regulators in a seasonal mammal. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2007, 292, R242-R252.	0.9	27
56	Effects of Season and Estradiol on KNDy Neuron Peptides, Colocalization With D2 Dopamine Receptors, and Dopaminergic Inputs in the Ewe. Endocrinology, 2017, 158, 831-841.	1.4	27
57	Continuous Kisspeptin Restores Luteinizing Hormone Pulsatility Following Cessation by a Neurokinin B Antagonist in Female Sheep. Endocrinology, 2018, 159, 639-646.	1.4	27
58	Gonadotropin inhibitory hormone (GnIH) as a regulator of gonadotropes. Molecular and Cellular Endocrinology, 2014, 385, 36-44.	1.6	26
59	Kisspeptin Stimulates Growth Hormone Release by Utilizing Neuropeptide Y Pathways and Is Dependent on the Presence of Ghrelin in the Ewe. Endocrinology, 2017, 158, 3526-3539.	1.4	26
60	Effect of sex and sex steroids on brown adipose tissue heat production in humans. European Journal of Endocrinology, 2020, 183, 343-355.	1.9	24
61	Differential Effects of Acute and Chronic Estrogen Treatment on Thermogenic and Metabolic Pathways in Ovariectomized Sheep. Endocrinology, 2013, 154, 184-192.	1.4	23
62	Short-Term Regulation of Gonadotropin Subunit mRNA Levels by Estrogen: Studies in the Hypothalamo-Pituitary Intact and Hypothalamo-Pituitary Disconnected Ewe. Journal of Neuroendocrinology, 1993, 5, 591-596.	1.2	22
63	Models of â€˜Obesityâ€™ in Large Animals and Birds. , 2008, 36, 107-117.		22
64	The In Vitro Effect of Leptin on Growth Hormone Secretion from Primary Cultured Ovine Somatotrophs. Endocrine, 2001, 14, 073-078.	2.2	21
65	A test of the lipostat theory in a seasonal (ovine) model under natural conditions reveals a close relationship between adiposity and melanin concentrating hormone expression. Domestic Animal Endocrinology, 2009, 36, 138-151.	0.8	21
66	Lipopolysaccharide reduces gonadotrophin-releasing hormone (GnRH) gene expression: role of RFamide-related peptide-3 and kisspeptin. Reproduction, Fertility and Development, 2019, 31, 1134.	0.1	20
67	Paracrine Interactions within the Pituitary Gland. Annals of the New York Academy of Sciences, 1998, 839, 239-243.	1.8	19
68	Sex and age-dependent effects of a maternal junk food diet on the mu-opioid receptor in rat offspring. Behavioural Brain Research, 2016, 301, 124-131.	1.2	19
69	Ontogeny and Thermogenic Role for Sternal Fat in Female Sheep. Endocrinology, 2017, 158, 2212-2225.	1.4	19
70	The role of noradrenaline in the generation of the preovulatory LH surge in the ewe. Domestic Animal Endocrinology, 2006, 30, 260-275.	0.8	18
71	Targeting energy expenditure in muscle as a means of combating obesity. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 121-124.	0.9	16
72	The Effect of Heat Stress on Respiratory Alkalosis and Insulin Sensitivity in Cinnamon Supplemented Pigs. Animals, 2020, 10, 690.	1.0	15

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73	Proopiomelanocortin mRNA Levels in Ovine Hypothalamus Are Not Reduced at the Time of the Preovulatory Luteinising Hormone Surge. Journal of Neuroendocrinology, 2001, 10, 803-808.	1.2	14
74	Effects of Changing Gonadotropin-Releasing Hormone Pulse Frequency and Estrogen Treatment on Levels of Estradiol Receptor-Î± and Induction of Fos and Phosphorylated Cyclic Adenosine Monophosphate Response Element Binding Protein in Pituitary Gonadotropes: Studies in Hypothalamo-Pituitary Disconnected Ewes. Endocrinology, 2005, 146, 1128-1137.	1.4	12
75	Ewes With Divergent Cortisol Responses to ACTH Exhibit Functional Differences in the Hypothalamo-Pituitary-Adrenal (HPA) Axis. Endocrinology, 2016, 157, 3540-3549.	1.4	12
76	Prolactin Levels in Sudden Unexpected Death in Epilepsy. Epilepsia, 2000, 41, 48-51.	2.6	11
77	Expression of genes for Kisspeptin (KISS1), Neurokinin B (TAC3), Prodynorphin () Tj ETQq1 1 0.784314 rgBT /Overloc Physiological Reports, 2020, 8, e14399.	0.7	11
78	The F0F1 ATP Synthase Complex Localizes to Membrane Rafts in Gonadotrope Cells. Molecular Endocrinology, 2016, 30, 996-1011.	3.7	10
79	Kiss1 and Kiss1 receptor expression in the rhesus monkey testis: a possible local regulator of testicular function. Open Life Sciences, 2013, 8, 968-974.	0.6	9
80	Growth axis maturation is linked to nutrition, growth and developmental rate. Molecular and Cellular Endocrinology, 2015, 411, 38-48.	1.6	8
81	Sheep model for osteoporosis: The effects of peripheral hormone therapy on centrally induced systemic bone loss in an osteoporotic sheep model. Injury, 2017, 48, 841-848.	0.7	8
82	Glucagon-like peptide-1 control of GnRH secretion in female sheep. Journal of Endocrinology, 2021, 248, 325-335.	1.2	8
83	Whatever Way Weight Goes, Inflammation Shows. Endocrinology, 2010, 151, 846-848.	1.4	7
84	Wireless multichannel optogenetic stimulators enabled by narrow bandwidth resonant tank circuits. Sensors and Actuators A: Physical, 2018, 271, 201-211.	2.0	7
85	Mysterious inhibitory cell regulator investigated and found likely to be secretogranin II related. PeerJ, 2017, 5, e3833.	0.9	7
86	SHEEP HYPOTHALAMUS CONTAINS A NON-ANGIOTENSIN LIGAND FOR TYPE 1 AND TYPE 2 ANGIOTENSIN II RECEPTORS. Clinical and Experimental Pharmacology and Physiology, 1993, 20, 555-562.	0.9	4
87	Glucocorticoid treatment facilitates development of a metabolic syndrome in ovariectomized Macaca Mulatta fed a high fat diet. Steroids, 2017, 128, 105-113.	0.8	4
88	Exercise counteracts the homeostatic decrease in thermogenesis caused by caloric restriction in sheep. FASEB Journal, 2018, 32, 3859-3869.	0.2	3
89	Kiss1 expression in the hypothalamic arcuate nucleus is lower in dairy cows of reduced fertility. Biology of Reproduction, 2022, 106, 802-813.	1.2	3
90	Effect of incremental levels of crude degummed canola oil on milk progesterone, plasma luteinizing and follicle stimulating hormones of primiparous Holsteinâ€“Friesian cows in a pasture-based system. International Journal of Veterinary Science and Medicine, 2014, 2, 122-129.	0.8	2

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91	Is centrally induced alveolar bone loss in a large animal model preventable by peripheral hormone substitution?. Clinical Oral Investigations, 2018, 22, 495-503.	1.4	2
92	Oxytocin reduces the stress of weaning and increases gastric expression of ghrelin and leptin in neonatal pigs. FASEB Journal, 2007, 21, A320.	0.2	0
93	MON-LB016 Sex and Sex Steroid Effects on Brown Adipose Tissue Temperature in Healthy Humans. Journal of the Endocrine Society, 2019, 3, .	0.1	0