Lique M Coolen

List of Publications by Citations

125 papers	7,383 citations	44 h-index	84 g-index
129 ext. papers	8,104 ext. citations	4.4 avg, IF	5.98 L-index

#	Paper	IF	Citations
125	Minireview: kisspeptin/neurokinin B/dynorphin (KNDy) cells of the arcuate nucleus: a central node in the control of gonadotropin-releasing hormone secretion. *Endocrinology*, **2010**, 151, 3479-89	4.8	552
124	Kisspeptin neurons in the arcuate nucleus of the ewe express both dynorphin A and neurokinin B. *Endocrinology*, **2007**, 148, 5752-60	4.8	503
123	The catabolic action of insulin in the brain is mediated by melanocortins. *Journal of Neuroscience*, **2002**, 22, 9048-52	6.6	331
122	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, 5770-82	4.8	298
121	Identification of a potential ejaculation generator in the spinal cord. *Science*, **2002**, 297, 1566-9	33.3	277
120	Fos immunoreactivity in the rat brain following consummatory elements of sexual behavior: a sex comparison. *Brain Research*, **1996**, 738, 67-82	3.7	224
119	The kisspeptin/neurokinin B/dynorphin (KNDy) cell population of the arcuate nucleus: sex differences and effects of prenatal testosterone in sheep. *Endocrinology*, **2010**, 151, 301-11	4.8	211
118	Central regulation of ejaculation. *Physiology and Behavior*, **2004**, 83, 203-15	3.5	205
117	Bidirectional connections of the medial amygdaloid nucleus in the Syrian hamster brain: simultaneous anterograde and retrograde tract tracing. *Journal of Comparative Neurology*, **1998**, 399, 189-209	3.4	180
116	Evidence that dynorphin plays a major role in mediating progesterone negative feedback on gonadotropin-releasing hormone neurons in sheep. *Endocrinology*, **2004**, 145, 2959-67	4.8	180
115	Neural activation following sexual behavior in the male and female rat brain. *Behavioural Brain Research*, **1998**, 92, 181-93	3.4	174
114	Sexual behavior and sex-associated environmental cues activate the mesolimbic system in male rats. *Neuropsychopharmacology*, **2004**, 29, 718-30	8.7	157
113	Kisspeptin, neurokinin B, and dynorphin act in the arcuate nucleus to control activity of the GnRH pulse generator in ewes. *Endocrinology*, **2013**, 154, 4259-69	4.8	145
112	Molecular mapping of the neural pathways linking leptin to the neuroendocrine reproductive axis. *Endocrinology*, **2011**, 152, 2302-10	4.8	135
111	Neurokinin 3 receptor immunoreactivity in the septal region, preoptic area and hypothalamus of the female sheep: colocalisation in neurokinin B cells of the arcuate nucleus but not in gonadotrophin-releasing hormone neurones. *Journal of Neuroendocrinology*, **2010**, 22, 1-12	3.8	132
110	Do similar neural systems subserve aggressive and sexual behaviour in male rats? Insights from c-Fos and pharmacological studies. *European Journal of Pharmacology*, **2005**, 526, 226-39	5.3	120
109	Anatomical interrelationships of the medial preoptic area and other brain regions activated following male sexual behavior: a combined fos and tract-tracing study. *Journal of Comparative Neurology*, **1998**, 397, 421-35	3.4	117

108	Anatomy of the kisspeptin neural network in mammals. *Brain Research*, **2010**, 1364, 90-102	3.7	116
107	Activation of a subset of lumbar spinothalamic neurons after copulatory behavior in male but not female rats. *Journal of Neuroscience*, **2003**, 23, 325-31	6.6	110
106	Colocalization of progesterone receptors in parvicellular dynorphin neurons of the ovine preoptic area and hypothalamus. *Endocrinology*, **2002**, 143, 4366-74	4.8	109
105	KNDy (kisspeptin/neurokinin B/dynorphin) neurons are activated during both pulsatile and surge secretion of LH in the ewe. *Endocrinology*, **2012**, 153, 5406-14	4.8	98
104	Sexual reward in male rats: effects of sexual experience on conditioned place preferences associated with ejaculation and intromissions. *Hormones and Behavior*, **2009**, 55, 93-7	3.7	98
103	KNDy Cells Revisited. *Endocrinology*, **2018**, 159, 3219-3234	4.8	93
102	Natural and drug rewards act on common neural plasticity mechanisms with ΔFosB as a key mediator. *Journal of Neuroscience*, **2013**, 33, 3434-42	6.6	88
101	Mixing pleasures: review of the effects of drugs on sex behavior in humans and animal models. *Hormones and Behavior*, **2010**, 58, 149-62	3.7	88
100	Demonstration of ejaculation-induced neural activity in the male rat brain using 5-HT1A agonist 8-OH-DPAT. *Physiology and Behavior*, **1997**, 62, 881-91	3.5	88
99	Neuroplasticity in the mesolimbic system induced by natural reward and subsequent reward abstinence. *Biological Psychiatry*, **2010**, 67, 872-9	7.9	84
98	Diurnal variations in natural and drug reward, mesolimbic tyrosine hydroxylase, and clock gene expression in the male rat. *Journal of Biological Rhythms*, **2009**, 24, 465-76	3.2	84
97	Spinal cord control of ejaculation. *World Journal of Urology*, **2005**, 23, 119-26	4	78
96	SAT-421 Cell-Specific Ablation of GnRH Neurons Using Kisspeptin-Saporin in the Preoptic Area of Sheep, but Not Mice. *Journal of the Endocrine Society*, **2019**, 3,	0.4	78
95	SAT-426 Rabies-Mediated Monosynaptic Tract-Tracing of Sexually Dimorphic Estrogen-Sensitive Afferents to KNDy Neurons in the Mouse. *Journal of the Endocrine Society*, **2019**, 3,	0.4	78
94	Afferent connections of the parvocellular subparafascicular thalamic nucleus in the rat: evidence for functional subdivisions. *Journal of Comparative Neurology*, **2003**, 463, 132-56	3.4	74
93	ΔFosB in the nucleus accumbens is critical for reinforcing effects of sexual reward. *Genes, Brain and Behavior*, **2010**, 9, 831-40	3.6	68
92	The selective serotonin re-uptake inhibitors fluvoxamine and paroxetine differ in sexual inhibitory effects after chronic treatment. *Psychopharmacology*, **2002**, 160, 283-9	4.7	68
91	A role for neurokinin B in pulsatile GnRH secretion in the ewe. *Neuroendocrinology*, **2014**, 99, 18-32	5.6	59

90	Bidirectional interactions between the circadian and reward systems: is restricted food access a unique zeitgeber?. *European Journal of Neuroscience*, **2009**, 30, 1739-48	3.5	57
89	Parvocellular subparafascicular thalamic nucleus in the rat: anatomical and functional compartmentalization. *Journal of Comparative Neurology*, **2003**, 463, 117-31	3.4	56
88	Neural control of ejaculation. *Journal of Comparative Neurology*, **2005**, 493, 39-45	3.4	56
87	Opioid Receptor Is Colocalized in GnRH and KNDy Cells in the Female Ovine and Rat Brain. *Endocrinology*, **2016**, 157, 2367-79	4.8	56
86	Evidence that dopamine acts via kisspeptin to hold GnRH pulse frequency in check in anestrous ewes. *Endocrinology*, **2012**, 153, 5918-27	4.8	54
85	Activation of mu opioid receptors in the medial preoptic area following copulation in male rats. *Neuroscience*, **2004**, 124, 11-21	3.9	53
84	Morphological plasticity in the neural circuitry responsible for seasonal breeding in the ewe. *Endocrinology*, **2006**, 147, 4843-51	4.8	51
83	Evidence for Changes in Numbers of Synaptic Inputs onto KNDy and GnRH Neurones during the Preovulatory LH Surge in the Ewe. *Journal of Neuroendocrinology*, **2015**, 27, 624-35	3.8	48
82	Neural systems mediating seasonal breeding in the ewe. *Journal of Neuroendocrinology*, **2010**, 22, 674-81	3.8	45
81	Prenatal Testosterone Treatment Leads to Changes in the Morphology of KNDy Neurons, Their Inputs, and Projections to GnRH Cells in Female Sheep. *Endocrinology*, **2015**, 156, 3277-91	4.8	41
80	Risperidone pretreatment prevents elevated locomotor activity following neonatal hippocampal lesions. *Neuropsychopharmacology*, **2006**, 31, 77-89	8.7	41
79	Natural reward experience alters AMPA and NMDA receptor distribution and function in the nucleus accumbens. *PLoS ONE*, **2012**, 7, e34700	3.7	41
78	A pivotal role of lumbar spinothalamic cells in the regulation of ejaculation via intraspinal connections. *Journal of Sexual Medicine*, **2012**, 9, 2256-65	1.1	39
77	Lesions of orexin neurons block conditioned place preference for sexual behavior in male rats. *Hormones and Behavior*, **2011**, 59, 1-8	3.7	39
76	Diurnal and circadian regulation of reward-related neurophysiology and behavior. *Physiology and Behavior*, **2015**, 143, 58-69	3.5	37
75	Lesions of the medial prefrontal cortex cause maladaptive sexual behavior in male rats. *Biological Psychiatry*, **2010**, 67, 1199-204	7.9	37
74	Endogenous opioid-induced neuroplasticity of dopaminergic neurons in the ventral tegmental area influences natural and opiate reward. *Journal of Neuroscience*, **2014**, 34, 8825-36	6.6	36
73	Diurnal rhythms in neural activation in the mesolimbic reward system: critical role of the medial prefrontal cortex. *European Journal of Neuroscience*, **2013**, 38, 2319-27	3.5	35

72	Methamphetamine acts on subpopulations of neurons regulating sexual behavior in male rats. *Neuroscience*, **2010**, 166, 771-84	3.9	35
71	The premammillary hypothalamic area of the ewe: anatomical characterization of a melatonin target area mediating seasonal reproduction. *Biology of Reproduction*, **2004**, 70, 1768-75	3.9	35
70	Prenatal programming by testosterone of hypothalamic metabolic control neurones in the ewe. *Journal of Neuroendocrinology*, **2011**, 23, 401-11	3.8	34
69	Mating activates NMDA receptors in the medial preoptic area of male rats. *Behavioral Neuroscience*, **2007**, 121, 1023-31	2.1	34
68	Regulation of GnRH pulsatility in ewes. *Reproduction*, **2018**, 156, R83-R99	3.8	31
67	A new method for simultaneous demonstration of anterograde and retrograde connections in the brain: co-injections of biotinylated dextran amine and the beta subunit of cholera toxin. *Journal of Neuroscience Methods*, **1999**, 91, 1-8	3	30
66	Opiate exposure and withdrawal induces a molecular memory switch in the basolateral amygdala between ERK1/2 and CaMKII□dependent signaling substrates. *Journal of Neuroscience*, **2013**, 33, 14693-704	6.6	28
65	Neuronal plasticity and seasonal reproduction in sheep. *European Journal of Neuroscience*, **2010**, 32, 2153-64	3.9	28
64	Orphanin FQ: evidence for a role in the control of the reproductive neuroendocrine system. *Endocrinology*, **2007**, 148, 4993-5001	4.8	28
63	Evidence That Dynorphin Acts Upon KNDy and GnRH Neurons During GnRH Pulse Termination in the Ewe. *Endocrinology*, **2018**, 159, 3187-3199	4.8	27
62	Kisspeptin/Neurokinin B/Dynorphin (KNDy) cells as integrators of diverse internal and external cues: evidence from viral-based monosynaptic tract-tracing in mice. *Scientific Reports*, **2019**, 9, 14768	4.9	27
61	Orexin mediates initiation of sexual behavior in sexually naive male rats, but is not critical for sexual performance. *Hormones and Behavior*, **2010**, 58, 397-404	3.7	26
60	Altered behavioral response to dopamine D3 receptor agonists 7-OH-DPAT and PD 128907 following repetitive amphetamine administration. *Neuropsychopharmacology*, **2003**, 28, 1422-32	8.7	26
59	Activation of gastrin-releasing peptide receptors in the lumbosacral spinal cord is required for ejaculation in male rats. *Journal of Sexual Medicine*, **2012**, 9, 1303-18	1.1	25
58	The transcription factor Runx2 is under circadian control in the suprachiasmatic nucleus and functions in the control of rhythmic behavior. *PLoS ONE*, **2013**, 8, e54317	3.7	25
57	Concurrent exposure to methamphetamine and sexual behavior enhances subsequent drug reward and causes compulsive sexual behavior in male rats. *Journal of Neuroscience*, **2011**, 31, 16473-82	6.6	24
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	4.8	23
55	Activation of NMDA receptors in lumbar spinothalamic cells is required for ejaculation. *Journal of Sexual Medicine*, **2011**, 8, 1015-26	1.1	23

54	Effects of methamphetamine on sexual performance and compulsive sex behavior in male rats. *Psychopharmacology*, **2010**, 212, 93-104	4.7	23
53	Prenatal testosterone excess decreases neurokinin 3 receptor immunoreactivity within the arcuate nucleus KNDy cell population. *Journal of Neuroendocrinology*, **2015**, 27, 100-10	3.8	21
52	Prenatal Testosterone Exposure Alters GABAergic Synaptic Inputs to GnRH and KNDy Neurons in a Sheep Model of Polycystic Ovarian Syndrome. *Endocrinology*, **2019**, 160, 2529-2542	4.8	20
51	Early versus late-phase consolidation of opiate reward memories requires distinct molecular and temporal mechanisms in the amygdala-prefrontal cortical pathway. *PLoS ONE*, **2013**, 8, e63612	3.7	20
50	Dynorphin immunoreactive fibers contact GnRH neurons in the human hypothalamus. *Reproductive Sciences*, **2009**, 16, 781-7	3	20
49	Ventral Tegmental Area Dopamine Cell Activation during Male Rat Sexual Behavior Regulates Neuroplasticity and d-Amphetamine Cross-Sensitization following Sex Abstinence. *Journal of Neuroscience*, **2016**, 36, 9949-61	6.6	19
48	Role of SIP30 in the development and maintenance of peripheral nerve injury-induced neuropathic pain. *Pain*, **2009**, 146, 130-40	8	18
47	Activation of MAP kinase in lumbar spinothalamic cells is required for ejaculation. *Journal of Sexual Medicine*, **2010**, 7, 2445-57	1.1	18
46	Do Substance P and Neurokinin A Play Important Roles in the Control of LH Secretion in Ewes?. *Endocrinology*, **2016**, 157, 4829-4841	4.8	17
45	Effects of acute and chronic apomorphine on sex behavior and copulation-induced neural activation in the male rat. *European Journal of Pharmacology*, **2007**, 576, 61-76	5.3	16
44	Differential effects of adrenalectomy on melanin-concentrating hormone and orexin A. *Endocrinology*, **2004**, 145, 3404-12	4.8	16
43	Prenatal testosterone exposure decreases colocalization of insulin receptors in kisspeptin/neurokinin B/dynorphin and agouti-related peptide neurons of the adult ewe. *European Journal of Neuroscience*, **2016**, 44, 2557-2568	3.5	15
42	Influences of social reward experience on behavioral responses to drugs of abuse: Review of shared and divergent neural plasticity mechanisms for sexual reward and drugs of abuse. *Neuroscience and Biobehavioral Reviews*, **2017**, 83, 356-372	9	15
41	Sex differences and effects of prenatal exposure to excess testosterone on ventral tegmental area dopamine neurons in adult sheep. *European Journal of Neuroscience*, **2015**, 41, 1157-66	3.5	15
40	Activation of mu or delta opioid receptors in the lumbosacral spinal cord is essential for ejaculatory reflexes in male rats. *PLoS ONE*, **2015**, 10, e0121130	3.7	15
39	NMDA and PACAP receptor signaling interact to mediate retinal-induced scn cellular rhythmicity in the absence of light. *PLoS ONE*, **2013**, 8, e76365	3.7	14
38	Estradiol negative feedback regulation by glutamatergic afferents to A15 dopaminergic neurons: variation with season. *Endocrinology*, **2009**, 150, 4663-71	4.8	14
37	Neural regulation of ejaculation. *Journal of Sexual Medicine*, **2009**, 6 Suppl 3, 229-33	1.1	14

36	Neural system-enriched gene expression: relationship to biological pathways and neurological diseases. *Physiological Genomics*, **2004**, 18, 167-83	3.6	14
35	Three-dimensional imaging of KNDy neurons in the mammalian brain using optical tissue clearing and multiple-label immunocytochemistry. *Scientific Reports*, **2018**, 8, 2242	4.9	13
34	Chronic Contusion Spinal Cord Injury Impairs Ejaculatory Reflexes in Male Rats: Partial Recovery by Systemic Infusions of Dopamine D3 Receptor Agonist 7OHDPAT. *Journal of Neurotrauma*, **2016**, 33, 943-53	5.4	13
33	Does the KNDy Model for the Control of Gonadotropin-Releasing Hormone Pulses Apply to Monkeys and Humans?. *Seminars in Reproductive Medicine*, **2019**, 37, 71-83	1.4	13
32	Nucleus accumbens NMDA receptor activation regulates amphetamine cross-sensitization and deltaFosB expression following sexual experience in male rats. *Neuropharmacology*, **2016**, 101, 154-64	5.5	12
31	Orexin and natural reward: feeding, maternal, and male sexual behavior. *Progress in Brain Research*, **2012**, 198, 65-77	2.9	12
30	Evidence that gamma-aminobutyric acid is part of the neural circuit mediating estradiol negative feedback in anestrous ewes. *Endocrinology*, **2008**, 149, 2762-72	4.8	12
29	Neurons containing tuberoinfundibular peptide of 39 residues are activated following male sexual behavior. *Neuropeptides*, **2006**, 40, 403-8	3.3	12
28	Treatment with a serotonin-depleting regimen of MDMA prevents conditioned place preference to sex in male rats. *Behavioral Neuroscience*, **2007**, 121, 586-93	2.1	12
27	KNDy Hypothesis for Generation of GnRH Pulses: Evidence from Sheep and Goats **2018**, 289-324		11
26	Evidence that orphanin FQ mediates progesterone negative feedback in the ewe. *Endocrinology*, **2013**, 154, 4249-58	4.8	11
25	Prenatal Androgen Exposure Alters KNDy Neurons and Their Afferent Network in a Model of Polycystic Ovarian Syndrome. *Endocrinology*, **2021**, 162,	4.8	11
24	Activation of galanin and cholecystokinin receptors in the lumbosacral spinal cord is required for ejaculation in male rats. *European Journal of Neuroscience*, **2017**, 45, 846-858	3.5	10
23	The 3 World Conference on Kisspeptin, "Kisspeptin 2017: Brain and Beyond":Unresolved questions, challenges and future directions for the field. *Journal of Neuroendocrinology*, **2018**, 30, e12600	3.8	8
22	mGluR5 activation in the nucleus accumbens is not essential for sexual behavior or cross-sensitization of amphetamine responses by sexual experience. *Neuropharmacology*, **2016**, 107, 122-130	5.5	7
21	Maladaptive Sexual Behavior Following Concurrent Methamphetamine and Sexual Experience in Male Rats is Associated with Altered Neural Activity in Frontal Cortex. *Neuropsychopharmacology*, **2017**, 42, 2011-2020	8.7	6
20	Evidence that Nitric Oxide Is Critical for LH Surge Generation in Female Sheep. *Endocrinology*, **2020**, 161,	4.8	6
19	Activation of POMC neurons during general arousal but not sexual behavior in male rats. *Behavioral Neuroscience*, **2007**, 121, 1012-22	2.1	6

18	Drug-taking in a socio-sexual context enhances vulnerability for addiction in male rats. *Neuropsychopharmacology*, **2019**, 44, 503-513	8.7	6
17	Effects of Sexual Experience on Psychostimulant- and Opiate-Induced Behavior and Neural Plasticity in the Mesocorticolimbic Pathway. *International Review of Neurobiology*, **2018**, 140, 249-270	4.4	6
16	Chronic Spinal Cord Injury Reduces Gastrin-Releasing Peptide in the Spinal Ejaculation Generator in Male Rats. *Journal of Neurotrauma*, **2019**, 36, 3378-3393	5.4	5
15	The Roles of Neurokinins and Endogenous Opioid Peptides in Control of Pulsatile LH Secretion. *Vitamins and Hormones*, **2018**, 107, 89-135	2.5	5
14	In vivo imaging of the GnRH pulse generator reveals a temporal order of neuronal activation and synchronization during each pulse.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119,	11.5	5
13	Recognizing Team Science Contributions in Academic Hiring, Promotion, and Tenure. *Journal of Neuroscience*, **2020**, 40, 6662-6663	6.6	5
12	Unraveling the Mechanism of Action of the GnRH Pulse Generator: A Possible Role for Kisspeptin/Neurokinin B/Dynorphin (KNDy) Neurons **2014**, 133-152		4
11	Compulsive Sexual Behavior in Humans and Preclinical Models. *Current Sexual Health Reports*, **2018**, 10, 124-131	1.2	3
10	Evidence That the LH Surge in Ewes Involves Both Neurokinin B-Dependent and -Independent Actions of Kisspeptin. *Endocrinology*, **2019**, 160, 2990-3000	4.8	3
9	In vivo imaging of the GnRH pulse generator reveals a temporal order of neuronal activation and synchronization during each pulse		2
8	Dopamine Receptor Alternative Splicing **2005**, 45-61		2
7	Spinal Cord Injury Causes Reduction of and e mRNA Expression in the Spinal Ejaculation Generator of Male Rats. *Frontiers in Neurology*, **2021**, 12, 670536	4.1	2
6	Enhancement of Drug Seeking Following Drug Taking in a Sexual Context Requires Anterior Cingulate Cortex Activity in Male Rats. *Frontiers in Behavioral Neuroscience*, **2020**, 14, 87	3.5	0
5	Highlights of neuroanatomical discoveries of the mammalian gonadotropin-releasing hormone system.. *Journal of Neuroendocrinology*, **2022**, e13115	3.8	0
4	Involvement of nitric oxide in sexual learning via action in the medial preoptic area: theoretical comment on Lagoda et al. (2004). *Behavioral Neuroscience*, **2004**, 118, 1473-5	2.1	
3	Sex Comparison of Drug-seeking Behavior after Limited-Access Methamphetamine-taking in a Socio-sexual Context in Rats. *FASEB Journal*, **2019**, 33, 805.8	0.9	
2	Localization of the CYP4A Enzymes that Produce 20-HETE and the 20-HETE Receptor in the Brain. *FASEB Journal*, **2019**, 33, 500.12	0.9	
1	Unraveling the Neural Mechanisms Underlying the GnRH Pulse Generator: An Update **2021**, 123-148		