Donald W Pfaff

List of Publications by Citations

387 papers	25,674 citations	85 h-index	141 g-index
392 ext. papers	27,123 ext. citations	5.8 avg, IF	6.79 L-index

#	Paper	IF	Citations
387	Atlas of estradiol-concentrating cells in the central nervous system of the female rat. *Journal of Comparative Neurology*, **1973**, 151, 121-58	3.4	1373
386	Long-term gene expression and phenotypic correction using adeno-associated virus vectors in the mammalian brain. *Nature Genetics*, **1994**, 8, 148-54	36.3	945
385	Origin of luteinizing hormone-releasing hormone neurons. *Nature*, **1989**, 338, 161-4	50.4	934
384	Connections of the median and dorsal raphe nuclei in the rat: an autoradiographic and degeneration study. *Journal of Comparative Neurology*, **1974**, 156, 179-205	3.4	619
383	Luteinizing hormone-releasing hormone (LHRH)-expressing cells do not migrate normally in an inherited hypogonadal (Kallmann) syndrome. *Molecular Brain Research*, **1989**, 6, 311-26		511
382	Efferents from medial basal forebrain and hypothalamus in the rat. II. An autoradiographic study of the anterior hypothalamus. *Journal of Comparative Neurology*, **1976**, 169, 221-61	3.4	458
381	Efferents from medial basal forebrain and hypothalamus in the rat. I. An autoradiographic study of the medial preoptic area. *Journal of Comparative Neurology*, **1976**, 169, 185-219	3.4	419
380	Silencing of estrogen receptor alpha in the ventromedial nucleus of hypothalamus leads to metabolic syndrome. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 2501-6	11.5	380
379	Hormone concentrating cells in vocal control and other areas of the brain of the zebra finch (Poephila guttata). *Journal of Comparative Neurology*, **1976**, 165, 487-511	3.4	353
378	An estrogen-dependent four-gene micronet regulating social recognition: a study with oxytocin and estrogen receptor-alpha and -beta knockout mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 6192-7	11.5	306
377	Possible role for endogenous oxytocin in estrogen-facilitated maternal behavior in rats. *Neuroendocrinology*, **1985**, 40, 526-32	5.6	277
376	Deconstructing and reconstructing theory of mind. *Trends in Cognitive Sciences*, **2015**, 19, 65-72	14	276
375	Non-genomic actions of estrogens and their interaction with genomic actions in the brain. *Frontiers in Neuroendocrinology*, **2008**, 29, 238-57	8.9	272
374	An autoradiographic study of the efferent connections of the ventromedial nucleus of the hypothalamus. *Journal of Comparative Neurology*, **1979**, 183, 785-815	3.4	268
373	Stomach ghrelin-secreting cells as food-entrainable circadian clocks. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 13582-7	11.5	244
372	Regulation of hippocampal H3 histone methylation by acute and chronic stress. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20912-7	11.5	231
371	LH-RH in the mesencephalic central grey can potentiate lordosis reflex of female rats. *Nature*, **1980**, 283, 566-7	50.4	231

370	Chemical characterization of neuroendocrine targets for progesterone in the female rat brain and pituitary. *Neuroendocrinology*, **1990**, 51, 276-83	5.6	196
369	Factors influencing sex hormone uptake by rat brain regions. I. Effects of neonatal treatment, hypophysectomy, and competing steroid on estradiol uptake. *Brain Research*, **1970**, 21, 1-16	3.7	193
368	Expression and estrogen regulation of progesterone receptor mRNA in neurons of the mediobasal hypothalamus: an in situ hybridization study. *Molecular Endocrinology*, **1989**, 3, 1295-300		190
367	RNAi-mediated silencing of estrogen receptor {alpha} in the ventromedial nucleus of hypothalamus abolishes female sexual behaviors. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 10456-10460	11.5	179
366	Immunocytochemical localization of luteinizing hormone-releasing hormone in male and female rat brains. Quantitative studies on the effect of gonadal steroids. *Neuroendocrinology*, **1983**, 36, 1-12	5.6	174
365	Estrogen increases proenkephalin messenger ribonucleic acid levels in the ventromedial hypothalamus of the rat. *Molecular Endocrinology*, **1988**, 2, 1320-8		171
364	Autoradiographic localization of hormone-concentrating cells in the brain of an amphibian, Xenopus laevis. I. Testosterone. *Journal of Comparative Neurology*, **1975**, 164, 47-59	3.4	167
363	Olfactory and hormonal influences on the basal forebrain of the male rat. *Brain Research*, **1969**, 15, 137-56	3.7	166
362	A subset of beta-endorphin- or dynorphin-containing neurons in the medial basal hypothalamus accumulates estradiol. *Neuroendocrinology*, **1985**, 41, 417-26	5.6	163
361	Nature of sex hormone effects on rat sex behavior: specificity of effects and individual patterns of response. *Journal of Comparative and Physiological Psychology*, **1970**, 73, 349-58		160
360	The membrane actions of estrogens can potentiate their lordosis behavior-facilitating genomic actions. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12354-7	11.5	156
359	Single unit recording in hypothalamus and preoptic area of estrogen-treated and untreated ovariectomized female rats. *Brain Research*, **1976**, 101, 67-78	3.7	154
358	Development of olfactory-guided behavior in infant rats. *Physiology and Behavior*, **1971**, 6, 573-6	3.5	154
357	Effects of medial hypothalamic lesions on the lordosis response and other behaviors in remale golden hamsters. *Physiology and Behavior*, **1977**, 19, 223-37	3.5	151
356	Autoradiographic localization of hormone-concentrating cells in the brain of the female rhesus monkey. *Journal of Comparative Neurology*, **1976**, 170, 279-93	3.4	144
355	Acute stress and hippocampal histone H3 lysine 9 trimethylation, a retrotransposon silencing response. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 17657-62	11.5	141
354	Aggressive behavior in female hamsters: the hormonal basis for fluctuations in female aggressiveness correlated with estrous state. *Journal of Comparative and Physiological Psychology*, **1977**, 91, 443-64		141
353	Microparticle-based delivery of oxytocin receptor antisense DNA in the medial amygdala blocks social recognition in female mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 4670-5	11.5	140

352	Effects of daytime and nighttime stress on Fos-like immunoreactivity in the paraventricular nucleus of the hypothalamus, the habenula, and the posterior paraventricular nucleus of the thalamus. *Brain Research*, **1991**, 563, 339-44	3.7	138
351	Estrogen regulation of proenkephalin gene expression in the ventromedial hypothalamus of the rat: temporal qualities and synergism with progesterone. *Molecular Brain Research*, **1989**, 5, 51-8		137
350	Infusion of antisense oligodeoxynucleotides to the oxytocin receptor in the ventromedial hypothalamus reduces estrogen-induced sexual receptivity and oxytocin receptor binding in the female rat. *Neuroendocrinology*, **1994**, 59, 432-40	5.6	132
349	Estradiol regulation of nitric oxide synthase mRNAs in rat hypothalamus. *Neuroendocrinology*, **1996**, 64, 357-63	5.6	131
348	Estrogen receptor-beta regulates transcript levels for oxytocin and arginine vasopressin in the hypothalamic paraventricular nucleus of male mice. *Molecular Brain Research*, **2002**, 109, 84-94		130
347	Reversal of sex roles in genetic female mice by disruption of estrogen receptor gene. *Neuroendocrinology*, **1996**, 64, 467-70	5.6	129
346	Sex difference in estradiol regulation of progestin receptor mRNA in rat mediobasal hypothalamus as demonstrated by in situ hybridization. *Neuroendocrinology*, **1991**, 53, 608-13	5.6	129
345	Genotype/age interactions on aggressive behavior in gonadally intact estrogen receptor beta knockout (betaERKO) male mice. *Hormones and Behavior*, **2002**, 41, 288-96	3.7	127
344	Brain mast cells link the immune system to anxiety-like behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 18053-7	11.5	124
343	Olfactory-mediated parasite recognition and avoidance: linking genes to behavior. *Hormones and Behavior*, **2004**, 46, 272-83	3.7	122
342	Autoradiographic localization of hormone-concentrating cells in the brain of an amphibian, Xenopus laevis. II. Estradiol. *Journal of Comparative Neurology*, **1975**, 164, 63-77	3.4	122
341	Hormone effects on male sex behavior in adult South African clawed frogs, Xenopus laevis. *Hormones and Behavior*, **1976**, 7, 159-82	3.7	122
340	Etiologies underlying sex differences in Autism Spectrum Disorders. *Frontiers in Neuroendocrinology*, **2014**, 35, 255-71	8.9	121
339	Metabolic pathways that mediate inhibition of hypothalamic neurons by glucose. *Diabetes*, **2004**, 53, 67-73	0.9	116
338	Estrogen facilitates fear conditioning and increases corticotropin-releasing hormone mRNA expression in the central amygdala in female mice. *Hormones and Behavior*, **2006**, 49, 197-205	3.7	114
337	Behavioral and electrophysiological responses of female mice to male urine odors. *Physiology and Behavior*, **1970**, 5, 407-11	3.5	114
336	Recovery of consciousness is mediated by a network of discrete metastable activity states. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 9283-8	11.5	113
335	Estradiol induction of proenkephalin messenger RNA in hypothalamus: dose-response and relation to reproductive behavior in the female rat. *Molecular Brain Research*, **1990**, 8, 47-54		110

334	Early estrogen-induced nuclear changes in rat hypothalamic ventromedial neurons: an ultrastructural and morphometric analysis. *Journal of Comparative Neurology*, **1985**, 239, 255-66	3.4	109
333	Modulation of the lordosis reflex of female rats by LHRH, its antiserum and analogs in the mesencephalic central gray. *Neuroendocrinology*, **1983**, 36, 218-24	5.6	108
332	Effects of estrogen on oxytocin receptor messenger ribonucleic acid expression in the uterus, pituitary, and forebrain of the female rat. *Neuroendocrinology*, **1997**, 65, 9-17	5.6	107
331	Localization of lumbar epaxial motoneurons in the rat. *Brain Research*, **1979**, 170, 23-41	3.7	107
330	The role of the estrogen receptor alpha in the medial amygdala and ventromedial nucleus of the hypothalamus in social recognition, anxiety and aggression. *Behavioural Brain Research*, **2010**, 210, 211-20	3.4	104
329	A Neuroendocrine Approach to Brain Function: Localization of Sex Steroid Concentrating Cells in Vertebrate Brains. *American Zoologist*, **1978**, 18, 447-460		104
328	Ontogenesis of neurons producing luteinizing hormone-releasing hormone (LHRH) in the nervus terminalis of the rat. *Journal of Comparative Neurology*, **1985**, 238, 348-64	3.4	103
327	Expression of a functional foreign gene in adult mammalian brain following in Vivo transfer via a herpes simplex virus type 1 defective viral vector. *Molecular and Cellular Neurosciences*, **1991**, 2, 320-30	4.8	101
326	Immunocytochemical localization of actin in dendritic spines of the cerebral cortex using colloidal gold as a probe. *Cellular and Molecular Neurobiology*, **1985**, 5, 271-84	4.6	99
325	Stress and the dynamic genome: Steroids, epigenetics, and the transposome. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 6828-33	11.5	97
324	Sexually dimorphic responses to early adversity: implications for affective problems and autism spectrum disorder. *Psychoneuroendocrinology*, **2014**, 49, 11-25	5	97
323	Mapping of neural and signal transduction pathways for lordosis in the search for estrogen actions on the central nervous system. *Behavioural Brain Research*, **1998**, 92, 169-80	3.4	97
322	Roles of second-messenger systems and neuronal activity in the regulation of lordosis by neurotransmitters, neuropeptides, and estrogen: a review. *Neuroscience and Biobehavioral Reviews*, **1994**, 18, 251-68	9	97
321	Estrogen effects on neuronal responsiveness to electrical and neurotransmitter stimulation: an in vitro study on the ventromedial nucleus of the hypothalamus. *Brain Research*, **1985**, 347, 1-10	3.7	96
320	Communication among hamsters by high-frequency acoustic signals: II. Determinants of calling by females and males.. *Journal of Comparative and Physiological Psychology*, **1977**, 91, 807-819		96
319	Localization of forebrain neurons which project directly to the medulla and spinal cord of the rat by retrograde tracing with wheat germ agglutinin. *Journal of Comparative Neurology*, **1984**, 226, 1-20	3.4	94
318	Ultrastructure of neurons in the ventromedial nucleus or the hypothalamus in ovariectomized rats with or without estrogen treatment. *Cell and Tissue Research*, **1981**, 217, 451-70	4.2	94
317	Embryonic development of gonadotropin-releasing hormone neurons in the sockeye salmon. *Journal of Comparative Neurology*, **1995**, 362, 256-70	3.4	93

316	Effect of preoptic region implants of dilute estradiol on the maternal behavior of ovariectomized, nulliparous rats. *Hormones and Behavior*, **1986**, 20, 354-63	3.7	93
315	Intracerebral administration of antisense oligodeoxynucleotides to GAD65 and GAD67 mRNAs modulate reproductive behavior in the female rat. *Brain Research*, **1994**, 636, 209-20	3.7	91
314	Identification of medial preoptic neurons that concentrate estradiol and project to the midbrain in the rat. *Journal of Comparative Neurology*, **1986**, 247, 364-82	3.4	91
313	Differential regulation of proenkephalin gene expression by estrogen in the ventromedial hypothalamus of male and female rats: implications for the molecular basis of a sexually differentiated behavior. *Brain Research*, **1990**, 536, 63-8	3.7	89
312	Estrogen and thyroid hormone receptor interactions: physiological flexibility by molecular specificity. *Physiological Reviews*, **2002**, 82, 923-44	47.9	88
311	Concepts and mechanisms of generalized central nervous system arousal. *Annals of the New York Academy of Sciences*, **2008**, 1129, 11-25	6.5	87
310	Estradiol differentially regulates lipocalin-type prostaglandin D synthase transcript levels in the rodent brain: Evidence from high-density oligonucleotide arrays and in situ hybridization. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 318-23	11.5	87
309	Estrogen-regulated progestin receptors are found in the midbrain raphe but not hippocampus of estrogen receptor alpha (ER alpha) gene-disrupted mice. *Journal of Comparative Neurology*, **2000**, 427, 185-95	3.4	86
308	Induction of FOS immunoreactivity in oxytocin neurons after sexual activity in female rats. *Neuroendocrinology*, **1993**, 58, 352-8	5.6	86
307	Hormonal control of sexual behavior in the female rat: molecular, cellular and neurochemical studies. *Biology of Reproduction*, **1987**, 36, 37-45	3.9	86
306	Preoptic implants of estradiol increase wheel running but not the open field activity of female rats. *Physiology and Behavior*, **1985**, 35, 985-92	3.5	86
305	Recognition and avoidance of the odors of parasitized conspecifics and predators: differential genomic correlates. *Neuroscience and Biobehavioral Reviews*, **2005**, 29, 1347-59	9	85
304	Hormonal and genetic influences on arousal--sexual and otherwise. *Trends in Neurosciences*, **2002**, 25, 45-50	13.3	85
303	Estradiol Regulation of Estrogen Receptor Messenger Ribonucleic Acid in Rat Mediobasal Hypothalamus: An in situ Hybridization Study. *Journal of Neuroendocrinology*, **1990**, 2, 605-11	3.8	85
302	Antagonism of sexual behavior in female rats by ventromedial hypothalamic implants of antiestrogen. *Neuroendocrinology*, **1987**, 45, 201-7	5.6	84
301	Reproducibility and replicability of rodent phenotyping in preclinical studies. *Neuroscience and Biobehavioral Reviews*, **2018**, 87, 218-232	9	83
300	Stress and corticosteroids regulate rat hippocampal mitochondrial DNA gene expression via the glucocorticoid receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 9099-104	11.5	82
299	Estrogen regulation of mu-opioid receptor mRNA in the forebrain of female rats. *Molecular Brain Research*, **1997**, 47, 134-8		80

298	Communication among hamsters by high-frequency acoustic signals: III. Response evoked by natural and synthetic ultrasounds.. *Journal of Comparative and Physiological Psychology*, **1977**, 91, 820-829		80
297	Scale invariance in the dynamics of spontaneous behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 10564-9	11.5	78
296	Autoradiographic and biochemical studies of steroid hormone-concentrating cells in the brain of Rana pipiens. *Brain Research*, **1978**, 140, 287-305	3.7	78
295	Genes, odours and the recognition of parasitized individuals by rodents. *Trends in Parasitology*, **2005**, 21, 423-9	6.4	76
294	Reversal of sex differences in morphine analgesia elicited from the ventrolateral periaqueductal gray in rats by neonatal hormone manipulations. *Brain Research*, **2002**, 929, 1-9	3.7	75
293	Cells in regions of rhesus monkey brain and pituitary retain radioactive estradiol, corticosterone and cortisol differentially. *Brain Research*, **1976**, 103, 603-12	3.7	73
292	Somatosensory determinants of lordosis in female rats: behavioral definition of the estrogen effect. *Journal of Comparative and Physiological Psychology*, **1977**, 91, 134-45		73
291	Sex-specific gene-environment interactions underlying ASD-like behaviors. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 1383-1388	11.5	72
290	Effects of chronic social defeat on behavioral and neural correlates of sociality: Vasopressin, oxytocin and the vasopressinergic V1b receptor. *Physiology and Behavior*, **2011**, 103, 393-403	3.5	72
289	Rapid increases in immature synapses parallel estrogen-induced hippocampal learning enhancements. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 16018-23	11.5	71
288	Distribution and partial characterization of immunoreactive prolactin in the rat brain. *Neuroendocrinology*, **1989**, 49, 7-22	5.6	69
287	Inhibition of the lordosis reflex in rats by intrahypothalamic infusion of neural excitatory agents: evidence that the hypothalamus contains separate inhibitory and facilitatory elements. *Brain Research*, **1985**, 341, 26-34	3.7	69
286	The role of the estrogen receptor [illegible]in the medial preoptic area in sexual incentive motivation, proceptivity and receptivity, anxiety, and wheel running in female rats. *Behavioural Brain Research*, **2012**, 230, 11-20	3.4	68
285	Electrophysiological actions of oxytocin on hypothalamic neurons in vitro: neuropharmacological characterization and effects of ovarian steroids. *Neuroendocrinology*, **1991**, 54, 526-35	5.6	68
284	Estrogen influences on oxytocin mRNA expression in preoptic and anterior hypothalamic regions studied by in situ hybridization. *Journal of Comparative Neurology*, **1991**, 307, 281-95	3.4	68
283	Inadvertent social information and the avoidance of parasitized male mice: a role for oxytocin. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 4293-8	11.5	67
282	RNA and protein synthesis inhibitors: effects on sexual behavior in female rats. *Brain Research Bulletin*, **1984**, 12, 187-93	3.9	67
281	Communication among hamsters by high-frequency acoustic signals: I. Physical characteristics of hamster calls.. *Journal of Comparative and Physiological Psychology*, **1977**, 91, 794-806		67

280	Estrogen receptor beta (ERbeta) protein levels in neurons depend on estrogen receptor alpha (ERalpha) gene expression and on its ligand in a brain region-specific manner. *Molecular Brain Research*, **2003**, 110, 7-14		66
279	Thyroid hormones and estrogen affect oxytocin gene expression in hypothalamic neurons. *Journal of Neuroendocrinology*, **1999**, 11, 1-10	3.8	66
278	Immunocytochemical localization of luteinizing hormone-releasing hormone (LHRH) in the brain and nervus terminalis of the adult and early neonatal gray short-tailed opossum (Monodelphis domestica). *Journal of Comparative Neurology*, **1988**, 276, 44-60	3.4	66
277	Origins of arousal: roles for medullary reticular neurons. *Trends in Neurosciences*, **2012**, 35, 468-76	13.3	65
276	Oestradiol, sexual receptivity and cytosol progestin receptors in rat hypothalamus. *Nature*, **1981**, 292, 58-9	50.4	65
275	Steroid hormone effects on picrotoxin-induced seizures in female and male rats. *Brain Research*, **1989**, 476, 240-7	3.7	64
274	Suprachiasmatic neurons in tissue slices from ovariectomized rats: electrophysiological and neuropharmacological characterization and the effects of estrogen treatment. *Brain Research*, **1984**, 297, 275-86	3.7	64
273	The two thyroid hormone receptor genes have opposite effects on estrogen-stimulated sex behaviors. *Nature Neuroscience*, **2000**, 3, 472-5	25.5	63
272	Sexual stimulation induces Fos immunoreactivity within GnRH neurons of the female rat preoptic area: interaction with steroid hormones. *Neuroendocrinology*, **1994**, 60, 283-90	5.6	63
271	Induction of lordosis in female rats: two modes of estrogen action and the effect of adrenalectomy. *Hormones and Behavior*, **1975**, 6, 259-76	3.7	63
270	Differential effects of estrogen receptor alpha and beta specific agonists on social learning of food preferences in female mice. *Neuropsychopharmacology*, **2008**, 33, 2362-75	8.7	62
269	Inhibition of neuronal phenotype by PTEN in PC12 cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 3627-31	11.5	62
268	Effects of spinal cord transections on lordosis reflex in female rats. *Brain Research*, **1977**, 123, 75-88	3.7	62
267	Male predominance in autism: neuroendocrine influences on arousal and social anxiety. *Autism Research*, **2011**, 4, 163-76	5.1	61
266	Continuous renewal of the axonal pathway sensor apparatus by insertion of new sensor molecules into the growth cone membrane. *Current Biology*, **1996**, 6, 1153-8	6.3	61
265	Alpha 1-adrenergic agonists act on the ventromedial hypothalamus to cause neuronal excitation and lordosis facilitation: electrophysiological and behavioral evidence. *Brain Research*, **1992**, 588, 237-45	3.7	61
264	Male hamster preference for odors of female hamster vaginal discharges: studies of experiential and hormonal determinants. *Journal of Comparative and Physiological Psychology*, **1975**, 89, 442-6		61
263	siRNA silencing of estrogen receptor-□expression specifically in medial preoptic area neurons abolishes maternal care in female mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 16324-9	11.5	60

262	Estrogenic regulation and sex dimorphism of growth-associated protein 43 kDa (GAP-43) messenger RNA in the rat. *Molecular Brain Research*, **1991**, 11, 125-32		60
261	Lateral nicotine exposure increases nicotine preference in periadolescent male but not female C57B1/6J mice. *Nicotine and Tobacco Research*, **2003**, 5, 117-24	4.9	60
260	Agonistic behavior in males and females: effects of an estrogen receptor beta agonist in gonadectomized and gonadally intact mice. *Psychoneuroendocrinology*, **2010**, 35, 1008-22	5	59
259	Steroidal/neuropeptide interactions in hypothalamus and amygdala related to social anxiety. *Progress in Brain Research*, **2008**, 170, 291-303	2.9	59
258	Estrogens, brain and behavior: studies in fundamental neurobiology and observations related to women's health. *Journal of Steroid Biochemistry and Molecular Biology*, **2000**, 74, 365-73	5.1	59
257	Reduction of lipocalin-type prostaglandin D synthase in the preoptic area of female mice mimics estradiol effects on arousal and sex behavior. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 15206-11	11.5	58
256	Gonadotropin-releasing hormone gene expression in teleosts. *Molecular Brain Research*, **1996**, 41, 216-27		58
255	Responses of hypothalamic paraventricular neurons in vitro to norepinephrine and other feeding-relevant agents. *Physiology and Behavior*, **1989**, 46, 265-71	3.5	58
254	Anatomical identification of neurons in selected brain regions associated with maternal behavior deficits induced by knife cuts of the lateral hypothalamus in rats. *Journal of Comparative Neurology*, **1985**, 237, 552-64	3.4	58
253	In situ hybridization for the study of gene expression in the brain. *Methods in Enzymology*, **1986**, 124, 497-510	1.7	58
252	Effect of ER-beta gene disruption on estrogenic regulation of anxiety in female mice. *Physiology and Behavior*, **2009**, 96, 300-6	3.5	57
251	Presynaptic and postsynaptic relations of mu-opioid receptors to gamma-aminobutyric acid-immunoreactive and medullary-projecting periaqueductal gray neurons. *Journal of Comparative Neurology*, **2000**, 419, 532-42	3.4	57
250	Changes in estrogenic regulation of estrogen receptor alpha mRNA and progesterone receptor mRNA in the female rat hypothalamus during aging: an in situ hybridization study. *Neuroscience Research*, **2000**, 38, 85-92	2.9	57
249	Effects of testosterone and 7 alpha-methyl-19-nortestosterone (MENT) on sexual and aggressive behaviors in two inbred strains of male mice. *Hormones and Behavior*, **1996**, 30, 74-84	3.7	57
248	Suppression of lordosis in the hormone-primed female hamster by electrical stimulation of the septal area. *Physiology and Behavior*, **1975**, 14, 595-93	3.5	57
247	Contrasting effects of leptin on food anticipatory and total locomotor activity. *PLoS ONE*, **2011**, 6, e23364	3.7	56
246	Prolactin, central nervous system and behavior: a critical review. *Neuroendocrinology*, **1994**, 59, 413-9	5.6	55
245	Mutant herpes simplex virus induced regression of tumors growing in immunocompetent rats. *Journal of Neuro-Oncology*, **1994**, 19, 137-47	4.8	55

244	Distribution of luteinizing hormone-releasing hormone in the nervus terminalis and brain of the mouse detected by immunocytochemistry. *Journal of Comparative Neurology*, **1987**, 255, 231-44	3.4	55
243	Estrogen-induced sexual incentive motivation, proceptivity and receptivity depend on a functional estrogen receptor alpha in the ventromedial nucleus of the hypothalamus but not in the amygdala. *Neuroendocrinology*, **2010**, 91, 142-54	5.6	54
242	Differential interaction of estrogen receptor and thyroid hormone receptor isoforms on the rat oxytocin receptor promoter leads to differences in transcriptional regulation. *Neuroendocrinology*, **2001**, 74, 309-24	5.6	54
241	Topographical organization in medullary reticulospinal systems as demonstrated by the horseradish peroxidase technique. *Brain Research*, **1979**, 174, 161-6	3.7	54
240	Specificity and neural sites of action of anisomycin in the reduction or facilitation of female sexual behavior in rats. *Hormones and Behavior*, **1985**, 19, 237-51	3.7	51
239	Vasopressin excites ventromedial hypothalamic glucose-responsive neurons in vitro. *Physiology and Behavior*, **1986**, 37, 153-8	3.5	51
238	The effects of long-term estrogen exposure on the induction of sexual behavior and measurements of brain estrogen and progestin receptors in the female rat. *Hormones and Behavior*, **1979**, 13, 301-13	3.7	51
237	Clitoral sexual arousal: an immunocytochemical and innervation study of the clitoris. *BJU International*, **2008**, 101, 1407-13	5.6	50
236	Cellular uptake of intracerebrally administered oligodeoxynucleotides in mouse brain. *Regulatory Peptides*, **1995**, 59, 143-9		50
235	Intrinsic synapses in the ventromedial nucleus of the hypothalamus: an ultrastructural study. *Journal of Comparative Neurology*, **1989**, 286, 260-8	3.4	50
234	Distribution of estrogen receptor containing cells in the brains of bacterial artificial chromosome transgenic mice. *Brain Research*, **2010**, 1351, 74-96	3.7	49
233	Responses of ventromedial hypothalamic neurons in vitro to norepinephrine: dependence on dose and receptor type. *Brain Research*, **1987**, 413, 220-8	3.7	49
232	Estrogen receptor-beta gene disruption potentiates estrogen-inducible aggression but not sexual behaviour in male mice. *European Journal of Neuroscience*, **2006**, 23, 1860-8	3.5	48
231	Estrogenic maintenance of lordotic responsiveness: requirement for hypothalamic action potentials. *Brain Research*, **1983**, 268, 67-78	3.7	48
230	Differential crosstalk between estrogen receptor (ER)alpha and ERbeta and the thyroid hormone receptor isoforms results in flexible regulation of the consensus ERE. *Molecular Brain Research*, **2001**, 95, 9-17		46
229	Nerve growth factor affects defense-related behaviors, but not lordosis, in ovariectomized, estrogen-treated rats. *Brain Research*, **1993**, 610, 256-66	3.7	46
228	The oxytocin receptor: a target for steroid hormones. *Regulatory Peptides*, **1993**, 45, 115-9		46
227	Suppression of sexual receptivity in the female hamster: neuroanatomical projections from preoptic and anterior hypothalamic electrode sites. *Brain Research*, **1980**, 181, 267-84	3.7	46

226	Estradiol modulates behavioral arousal and induces changes in gene expression profiles in brain regions involved in the control of vigilance. *European Journal of Neuroscience*, **2009**, 29, 795-801	3.5	45
225	Hormone-driven mechanisms in the central nervous system facilitate the analysis of mammalian behaviours. *Journal of Endocrinology*, **2005**, 184, 447-53	4.7	45
224	Patterns of steroid hormone effects on electrical and molecular events in hypothalamic neurons. *Molecular Neurobiology*, **1989**, 3, 135-54	6.2	44
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