Sandra L Petersen

List of Publications by Year
in descending order

45 papers	2,198 citations	279798 23 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	1888 citing authors

#	Article	IF	Citations
1	Detection of Estrogen Receptor-Î² Messenger Ribonucleic Acid and 125I-Estrogen Binding Sites in Luteinizing Hormone-Releasing Hormone Neurons of the Rat Brain. Endocrinology, 2000, 141, 3506-3509.	2.8	253
2	Direct and Indirect Regulation of Gonadotropin-Releasing Hormone Neurons by Estradiol1. Biology of Reproduction, 2003, 69, 1771-1778.	2.7	178
3	Dual-Phenotype GABA/Glutamate Neurons in Adult Preoptic Area: Sexual Dimorphism and Function. Journal of Neuroscience, 2004, 24, 8097-8105.	3.6	178
4	Influence of Food Restriction on Neuropeptide-Y, Proopiomelanocortin, and Luteinizing Hormone-Releasing Hormone Gene Expression in Sheep Hypothalami1. Biology of Reproduction, 1993, 49, 831-839.	2.7	128
5	Suppression of spontaneous LH surges in estrogen-treated ovariectomized rats by microimplants of antiestrogens into the preoptic brain. Brain Research, 1989, 484, 279-289.	2.2	118
6	Frequency-Dependent Recruitment of Fast Amino Acid and Slow Neuropeptide Neurotransmitter Release Controls Gonadotropin-Releasing Hormone Neuron Excitability. Journal of Neuroscience, 2011, 31, 2421-2430.	3.6	108
7	Distribution of mRNAs encoding the arylhydrocarbon receptor, arylhydrocarbon receptor nuclear translocator, and arylhydrocarbon receptor nuclear translocator-2 in the rat brain and brainstem. Journal of Comparative Neurology, 2000, 427, 428-439.	1.6	105
8	Estrogen receptor-Î² in oxytocin and vasopressin neurons of the rat and human hypothalamus: Immunocytochemical and in situ hybridization studies. Journal of Comparative Neurology, 2004, 473, 315-333.	1.6	102
9	Distribution of mRNAs encoding classical progestin receptor, progesterone membrane components 1 and 2, serpine mRNA binding protein 1, and progestin and ADIPOQ receptor family members 7 and 8 in rat forebrain. Neuroscience, 2011, 172, 55-65.	2.3	89
10	Detection of Estrogen Receptor-Â Messenger Ribonucleic Acid and 125I-Estrogen Binding Sites in Luteinizing Hormone-Releasing Hormone Neurons of the Rat Brain. Endocrinology, 2000, 141, 3506-3509.	2.8	89
11	Medial Preoptic Microimplants of the Antiestrogen, Keoxifene, Affect Luteinizing Hormone-Releasing Hormone mRNA Levels, Median Eminence Luteinizing Hormone-Releasing Hormone Concentrations and Luteinizing Hormone Release in Ovariectomized, Estrogen-Treated Rats. Journal of Neuroendocrinology, 1989, 1, 279-283.	2.6	72
12	Evidence that GABAergic neurons in the preoptic area of the rat brain are targets of 2,3,7,8-tetrachlorodibenzo-p-dioxin during development.. Environmental Health Perspectives, 2002, 110, 369-376.	6.0	71
13	Kisspeptin neurons coâ€express metâ€enkephalin and galanin in the rostral periventricular region of the female mouse hypothalamus. Journal of Comparative Neurology, 2011, 519, 3456-3469.	1.6	63
14	Nonclassical Progesterone Signalling Molecules in the Nervous System. Journal of Neuroendocrinology, 2013, 25, 991-1001.	2.6	61
15	Central role of TRAF-interacting protein in a new model of brain sexual differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16692-16697.	7.1	58
16	The gad2 Promoter Is a Transcriptional Target of Estrogen Receptor (ER) Â and ERÂ: A Unifying Hypothesis to Explain Diverse Effects of Estradiol. Journal of Neuroscience, 2009, 29, 8790-8797.	3.6	47
17	Multi-institutional study of GRE scores as predictors of STEM PhD degree completion: GRE gets a low mark. PLoS ONE, 2018, 13, e0206570.	2.5	45
18	The Aryl Hydrocarbon Receptor Pathway and Sexual Differentiation of Neuroendocrine Functions. Endocrinology, 2006, 147, s33-s42.	2.8	44

#	Article	IF	Citations
19	The distribution of progestin receptor mRNA in rat brainstem. Gene Expression Patterns, 2002, 1, 151-157.	0.8	40
20	Tyrosine hydroxylase and POMC mRNA in the arcuate region are increased by castration and hyperprolactinemia. Molecular Brain Research, 1991, 10, 277-281.	2.3	39
21	Influence of Testosterone on LHRH Release, LHRH mRNA and Proopiomelanocortin mRNA in Male Sheep. Journal of Neuroendocrinology, 1996, 8, 113-121.	2.6	32
22	Increased Concentrations of Radioisotopically-labeled Complementary Ribonucleic Acid Probe, Dextran Sulfate, and Dithiothreitol in the Hybridization Buffer Can Improve Results of In Situ Hybridization Histochemistry. Journal of Histochemistry and Cytochemistry, 2002, 50, 1389-1400.	2.5	32
23	Aryl hydrocarbon receptor activation in lactotropes and gonadotropes interferes with estradiol-dependent and -independent preprolactin, glycoprotein alpha and luteinizing hormone beta gene expression. Molecular and Cellular Endocrinology, 2011, 333, 151-159.	3.2	31
24	Localized Changes in LHRH mRNA Levels as Cellular Correlates of the Positive Feedback Effects of Estrogen on LHRH Neurons. American Zoologist, 1993, 33, 255-265.	0.7	20
25	An analysis of serotonin secretion in hypothalamic regions based on 5-hydroxytryptophan accumulation or push-pull perfusion. Effects of mesencephalic raphe or locus coeruleus stimulation and correlated changes in plasma luteinizing hormone. Brain Research, 1989, 495, 9-19.	2.2	19
26	Sexual differentiation of the gonadotropin surge release mechanism: A new role for the canonical NfÎºB signaling pathway. Frontiers in Neuroendocrinology, 2012, 33, 36-44.	5.2	19
27	Limited responsiveness of LHRH neurons norepinephrine may account for failure of locus coeruleus or medullary A1 electrical stimulation to increase plasma LH in estrogen-treated ovariectomized rats. Brain Research, 1989, 476, 35-44.	2.2	16
28	Estradiol Acts through Nuclear- and Membrane-Initiated Mechanisms to Maintain a Balance between GABAergic and Glutamatergic Signaling in the Brain: Implications for Hormone Replacement Therapy. Reviews in the Neurosciences, 2010, 21, 363-80.	2.9	16
29	Microarray analysis of neonatal rat anteroventral periventricular transcriptomes identifies the proapoptotic Cugbp2 gene as sex-specific and regulated by estradiol. Neuroscience, 2015, 303, 312-322.	2.3	12
30	Effects ofp-chlorophenylalanine on hypothalamic indoleamine levels and the associated changes which occur in catecholamine dynamics and LH surges in estrogen-treated ovariectomized rats. Brain Research, 1987, 416, 267-276.	2.2	11
31	Perinatal androgen manipulations do not affect feminine behavioral potentials in voles. Physiology and Behavior, 1986, 36, 527-531.	2.1	10
32	Effect of Naloxone and Morphine on LH and Prolactin Release in Androgen-Sterilized Rats. Neuroendocrinology, 1986, 44, 84-88.	2.5	10
33	Progesterone receptor membrane component 1 inhibits tumor necrosis factor alpha induction of gene expression in neural cells. PLoS ONE, 2019, 14, e0215389.	2.5	10
34	Effect of Particle Shape on Inline Particle Size Measurement Techniques. Chemical Engineering and Technology, 2014, 37, 1721-1728.	1.5	9
35	Energy balance affects pulsatile secretion of luteinizing hormone from the adenohypophesis and expression of neurokinin B in the hypothalamus of ovariectomized giltsâ€. Biology of Reproduction, 2018, 99, 433-445.	2.7	9
36	Amplifying Voices: Investigating a Cross-Institutional, Mutual Mentoring Program for URM Women in STEM. Innovative Higher Education, 2020, 45, 317-332.	2.5	9

#	Article	IF	Citations
37	Utilizing melt crystallization fundamentals in the development of a new tabletting technology. Frontiers of Chemical Science and Engineering, 2014, 8, 346-352.	4.4	8
38	Application of In Situ Coating on a Two-Compound System. Chemical Engineering and Technology, 2014, 37, 1408-1412.	1.5	8
39	Developmental exposure to 2,3,7,8-tetrachlorodibenzo-p-dioxin may alter LH release patterns by abolishing sex differences in GABA/glutamate cell number and modifying the transcriptome of the male anteroventral periventricular nucleus. Neuroscience, 2016, 329, 239-253.	2.3	8
40	Optimized Coating through Phase Separation in Tablets by Melt Crystallization. Chemical Engineering and Technology, 2014, 37, 1369-1375.	1.5	7
41	Influence of seeding on concentration distribution within pastilles drop formed out of binary melts. Chemical Engineering Science, 2015, 133, 70-74.	3.8	6
42	Influence of Caffeine on the Crystallization Behavior of Sugar. Chemical Engineering and Technology, 2014, 37, 1413-1416.	1.5	3
43	Saccharose Inversion and Metastable Zone. Chemical Engineering and Technology, 2015, 38, 1088-1091.	1.5	2
44	Drop forming as a basis for scaling up of the in situ coating process. Canadian Journal of Chemical Engineering, 2016, 94, 733-737.	1.7	2
45	Importance of emulsions in crystallizationâ€"applications for fat crystallization. Frontiers of Chemical Science and Engineering, 2013, 7, 43-48.	4.4	1