

Sandra L Petersen

List of Publications by Year in descending order

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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	Amplifying Voices: Investigating a Cross-Institutional, Mutual Mentoring Program for URM Women in STEM. <i>Innovative Higher Education</i> , 2020, 45, 317-332.	2.5	9
2	Progesterone receptor membrane component 1 inhibits tumor necrosis factor alpha induction of gene expression in neural cells. <i>PLoS ONE</i> , 2019, 14, e0215389.	2.5	10
3	Multi-institutional study of GRE scores as predictors of STEM PhD degree completion: GRE gets a low mark. <i>PLoS ONE</i> , 2018, 13, e0206570.	2.5	45
4	Energy balance affects pulsatile secretion of luteinizing hormone from the adenohipophysis and expression of neurokinin B in the hypothalamus of ovariectomized gilts. <i>Biology of Reproduction</i> , 2018, 99, 433-445.	2.7	9
5	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. <i>Neuroscience</i> , 2016, 329, 239-253.	2.3	8
6	Drop forming as a basis for scaling up of the in situ coating process. <i>Canadian Journal of Chemical Engineering</i> , 2016, 94, 733-737.	1.7	2
7	Saccharose Inversion and Metastable Zone. <i>Chemical Engineering and Technology</i> , 2015, 38, 1088-1091.	1.5	2
8	Influence of seeding on concentration distribution within pastilles drop formed out of binary melts. <i>Chemical Engineering Science</i> , 2015, 133, 70-74.	3.8	6
9	Microarray analysis of neonatal rat anteroventral periventricular transcriptomes identifies the proapoptotic <i>Cugbp2</i> gene as sex-specific and regulated by estradiol. <i>Neuroscience</i> , 2015, 303, 312-322.	2.3	12
10	Utilizing melt crystallization fundamentals in the development of a new tableting technology. <i>Frontiers of Chemical Science and Engineering</i> , 2014, 8, 346-352.	4.4	8
11	Optimized Coating through Phase Separation in Tablets by Melt Crystallization. <i>Chemical Engineering and Technology</i> , 2014, 37, 1369-1375.	1.5	7
12	Application of In Situ Coating on a Two-Compound System. <i>Chemical Engineering and Technology</i> , 2014, 37, 1408-1412.	1.5	8
13	Effect of Particle Shape on Inline Particle Size Measurement Techniques. <i>Chemical Engineering and Technology</i> , 2014, 37, 1721-1728.	1.5	9
14	Influence of Caffeine on the Crystallization Behavior of Sugar. <i>Chemical Engineering and Technology</i> , 2014, 37, 1413-1416.	1.5	3
15	Importance of emulsions in crystallization applications for fat crystallization. <i>Frontiers of Chemical Science and Engineering</i> , 2013, 7, 43-48.	4.4	1
16	Nonclassical Progesterone Signalling Molecules in the Nervous System. <i>Journal of Neuroendocrinology</i> , 2013, 25, 991-1001.	2.6	61
17	Sexual differentiation of the gonadotropin surge release mechanism: A new role for the canonical Nf κ B signaling pathway. <i>Frontiers in Neuroendocrinology</i> , 2012, 33, 36-44.	5.2	19
18	Aryl hydrocarbon receptor activation in lactotropes and gonadotropes interferes with estradiol-dependent and -independent preprolactin, glycoprotein alpha and luteinizing hormone beta gene expression. <i>Molecular and Cellular Endocrinology</i> , 2011, 333, 151-159.	3.2	31

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19	Distribution of mRNAs encoding classical progesterin receptor, progesterone membrane components 1 and 2, serpine mRNA binding protein 1, and progesterin and ADIPOQ receptor family members 7 and 8 in rat forebrain. <i>Neuroscience</i> , 2011, 172, 55-65.	2.3	89
20	Kisspeptin neurons co-express met-enkephalin and galanin in the rostral periventricular region of the female mouse hypothalamus. <i>Journal of Comparative Neurology</i> , 2011, 519, 3456-3469.	1.6	63
21	Frequency-Dependent Recruitment of Fast Amino Acid and Slow Neuropeptide Neurotransmitter Release Controls Gonadotropin-Releasing Hormone Neuron Excitability. <i>Journal of Neuroscience</i> , 2011, 31, 2421-2430.	3.6	108
22	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. <i>Reviews in the Neurosciences</i> , 2010, 21, 363-80.	2.9	16
23	Central role of TRAF-interacting protein in a new model of brain sexual differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16692-16697.	7.1	58
24	The gad2 Promoter Is a Transcriptional Target of Estrogen Receptor (ER) α and ER β : A Unifying Hypothesis to Explain Diverse Effects of Estradiol. <i>Journal of Neuroscience</i> , 2009, 29, 8790-8797.	3.6	47
25	The Aryl Hydrocarbon Receptor Pathway and Sexual Differentiation of Neuroendocrine Functions. <i>Endocrinology</i> , 2006, 147, s33-s42.	2.8	44
26	Dual-Phenotype GABA/Glutamate Neurons in Adult Preoptic Area: Sexual Dimorphism and Function. <i>Journal of Neuroscience</i> , 2004, 24, 8097-8105.	3.6	178
27	Estrogen receptor- β in oxytocin and vasopressin neurons of the rat and human hypothalamus: Immunocytochemical and in situ hybridization studies. <i>Journal of Comparative Neurology</i> , 2004, 473, 315-333.	1.6	102
28	Direct and Indirect Regulation of Gonadotropin-Releasing Hormone Neurons by Estradiol. <i>Biology of Reproduction</i> , 2003, 69, 1771-1778.	2.7	178
29	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. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 1389-1400.	2.5	32
30	Evidence that GABAergic neurons in the preoptic area of the rat brain are targets of 2,3,7,8-tetrachlorodibenzo-p-dioxin during development.. <i>Environmental Health Perspectives</i> , 2002, 110, 369-376.	6.0	71
31	The distribution of progesterin receptor mRNA in rat brainstem. <i>Gene Expression Patterns</i> , 2002, 1, 151-157.	0.8	40
32	Distribution of mRNAs encoding the arylhydrocarbon receptor, arylhydrocarbon receptor nuclear translocator, and arylhydrocarbon receptor nuclear translocator-2 in the rat brain and brainstem. <i>Journal of Comparative Neurology</i> , 2000, 427, 428-439.	1.6	105
33	Detection of Estrogen Receptor- β Messenger Ribonucleic Acid and 125I-Estrogen Binding Sites in Luteinizing Hormone-Releasing Hormone Neurons of the Rat Brain. <i>Endocrinology</i> , 2000, 141, 3506-3509.	2.8	253
34	Detection of Estrogen Receptor- α Messenger Ribonucleic Acid and 125I-Estrogen Binding Sites in Luteinizing Hormone-Releasing Hormone Neurons of the Rat Brain. <i>Endocrinology</i> , 2000, 141, 3506-3509.	2.8	89
35	Influence of Testosterone on LHRH Release, LHRH mRNA and Proopiomelanocortin mRNA in Male Sheep. <i>Journal of Neuroendocrinology</i> , 1996, 8, 113-121.	2.6	32
36	Localized Changes in LHRH mRNA Levels as Cellular Correlates of the Positive Feedback Effects of Estrogen on LHRH Neurons. <i>American Zoologist</i> , 1993, 33, 255-265.	0.7	20

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37	Influence of Food Restriction on Neuropeptide-Y, Proopiomelanocortin, and Luteinizing Hormone-Releasing Hormone Gene Expression in Sheep Hypothalamus. <i>Biology of Reproduction</i> , 1993, 49, 831-839.	2.7	128
38	Tyrosine hydroxylase and POMC mRNA in the arcuate region are increased by castration and hyperprolactinemia. <i>Molecular Brain Research</i> , 1991, 10, 277-281.	2.3	39
39	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. <i>Journal of Neuroendocrinology</i> , 1989, 1, 279-283.	2.6	72
40	Suppression of spontaneous LH surges in estrogen-treated ovariectomized rats by microimplants of antiestrogens into the preoptic brain. <i>Brain Research</i> , 1989, 484, 279-289.	2.2	118
41	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. <i>Brain Research</i> , 1989, 495, 9-19.	2.2	19
42	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. <i>Brain Research</i> , 1989, 476, 35-44.	2.2	16
43	Effects of p-chlorophenylalanine on hypothalamic indoleamine levels and the associated changes which occur in catecholamine dynamics and LH surges in estrogen-treated ovariectomized rats. <i>Brain Research</i> , 1987, 416, 267-276.	2.2	11
44	Perinatal androgen manipulations do not affect feminine behavioral potentials in voles. <i>Physiology and Behavior</i> , 1986, 36, 527-531.	2.1	10
45	Effect of Naloxone and Morphine on LH and Prolactin Release in Androgen-Sterilized Rats. <i>Neuroendocrinology</i> , 1986, 44, 84-88.	2.5	10