

Juan Manuel Castellano

List of Publications by Year in descending order

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71
papers

7,535
citations

61984

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95266

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times ranked

4571
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#	ARTICLE	IF	CITATIONS
1	Developmental and Hormonally Regulated Messenger Ribonucleic Acid Expression of KiSS-1 and Its Putative Receptor, GPR54, in Rat Hypothalamus and Potent Luteinizing Hormone-Releasing Activity of KiSS-1 Peptide. <i>Endocrinology</i> , 2004, 145, 4565-4574.	2.8	641
2	Changes in Hypothalamic KiSS-1 System and Restoration of Pubertal Activation of the Reproductive Axis by Kisspeptin in Undernutrition. <i>Endocrinology</i> , 2005, 146, 3917-3925.	2.8	475
3	Characterization of the Potent Luteinizing Hormone-Releasing Activity of KiSS-1 Peptide, the Natural Ligand of GPR54. <i>Endocrinology</i> , 2005, 146, 156-163.	2.8	412
4	Advanced vaginal opening and precocious activation of the reproductive axis by KiSS-1 peptide, the endogenous ligand of GPR54. <i>Journal of Physiology</i> , 2004, 561, 379-386.	2.9	403
5	Novel signals for the integration of energy balance and reproduction. <i>Molecular and Cellular Endocrinology</i> , 2006, 254-255, 127-132.	3.2	285
6	Effects of KiSS-1 Peptide, the Natural Ligand of GPR54, on Follicle-Stimulating Hormone Secretion in the Rat. <i>Endocrinology</i> , 2005, 146, 1689-1697.	2.8	277
7	Epigenetic control of female puberty. <i>Nature Neuroscience</i> , 2013, 16, 281-289.	14.8	258
8	Expression of KiSS-1 in Rat Ovary: Putative Local Regulator of Ovulation?. <i>Endocrinology</i> , 2006, 147, 4852-4862.	2.8	224
9	Interactions between kisspeptin and neurokinin B in the control of GnRH secretion in the female rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011, 300, E202-E210.	3.5	222
10	Expression of Hypothalamic KiSS-1 System and Rescue of Defective Gonadotropic Responses by Kisspeptin in Streptozotocin-Induced Diabetic Male Rats. <i>Diabetes</i> , 2006, 55, 2602-2610.	0.6	217
11	The Mammalian Target of Rapamycin as Novel Central Regulator of Puberty Onset via Modulation of Hypothalamic Kiss1 System. <i>Endocrinology</i> , 2009, 150, 5016-5026.	2.8	194
12	Effects of Ghrelin upon Gonadotropin-Releasing Hormone and Gonadotropin Secretion in Adult Female Rats: In vivo and in vitro Studies. <i>Neuroendocrinology</i> , 2005, 82, 245-255.	2.5	187
13	Early Metabolic Programming of Puberty Onset: Impact of Changes in Postnatal Feeding and Rearing Conditions on the Timing of Puberty and Development of the Hypothalamic Kisspeptin System. <i>Endocrinology</i> , 2011, 152, 3396-3408.	2.8	169
14	Metabolic control of puberty onset: New players, new mechanisms. <i>Molecular and Cellular Endocrinology</i> , 2010, 324, 87-94.	3.2	158
15	Hypothalamic Expression of KiSS-1 System and Gonadotropin-Releasing Effects of Kisspeptin in Different Reproductive States of the Female Rat. <i>Endocrinology</i> , 2006, 147, 2864-2878.	2.8	155
16	Kisspeptins: Bridging energy homeostasis and reproduction. <i>Brain Research</i> , 2010, 1364, 129-138.	2.2	152
17	Role of Neurokinin B in the Control of Female Puberty and Its Modulation by Metabolic Status. <i>Journal of Neuroscience</i> , 2012, 32, 2388-2397.	3.6	150
18	KiSS-1/kisspeptins and the metabolic control of reproduction: Physiologic roles and putative physiopathological implications. <i>Peptides</i> , 2009, 30, 139-145.	2.4	149

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19	KISS-1 in the mammalian ovary: distribution of kisspeptin in human and marmoset and alterations in KISS-1 mRNA levels in a rat model of ovulatory dysfunction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E520-E531.	3.5	146
20	Ontogeny and mechanisms of action for the stimulatory effect of kisspeptin on gonadotropin-releasing hormone system of the rat. <i>Molecular and Cellular Endocrinology</i> , 2006, 257-258, 75-83.	3.2	139
21	The Anorexigenic Neuropeptide, Nesfatin-1, Is Indispensable for Normal Puberty Onset in the Female Rat. <i>Journal of Neuroscience</i> , 2010, 30, 7783-7792.	3.6	126
22	Persistent Impairment of Hypothalamic KISS-1 System after Exposures to Estrogenic Compounds at Critical Periods of Brain Sex Differentiation. <i>Endocrinology</i> , 2009, 150, 2359-2367.	2.8	118
23	Effects of Single or Repeated Intravenous Administration of Kisspeptin upon Dynamic LH Secretion in Conscious Male Rats. <i>Endocrinology</i> , 2006, 147, 2696-2704.	2.8	102
24	Ghrelin Inhibits the Proliferative Activity of Immature Leydig Cells in Vivo and Regulates Stem Cell Factor Messenger Ribonucleic Acid Expression in Rat Testis. <i>Endocrinology</i> , 2004, 145, 4825-4834.	2.8	98
25	Cellular Distribution, Regulated Expression, and Functional Role of the Anorexigenic Peptide, NUCB2/Nesfatin-1, in the Testis. <i>Endocrinology</i> , 2012, 153, 1959-1971.	2.8	94
26	Loss-of-Function Mutations in <i>PNPLA6</i> Encoding Neuropathy Target Esterase Underlie Pubertal Failure and Neurological Deficits in Gordon Holmes Syndrome. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2067-E2075.	3.6	92
27	Kisspeptins and the control of gonadotropin secretion in male and female rodents. <i>Peptides</i> , 2009, 30, 57-66.	2.4	89
28	Neuroendocrine factors in the initiation of puberty: The emergent role of kisspeptin. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2007, 8, 11-20.	5.7	87
29	Desensitization of gonadotropin responses to kisspeptin in the female rat: analyses of LH and FSH secretion at different developmental and metabolic states. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2008, 294, E1088-E1096.	3.5	85
30	Opposite Roles of Estrogen Receptor (ER) α and ER β in the Modulation of Luteinizing Hormone Responses to Kisspeptin in the Female Rat: Implications for the Generation of the Preovulatory Surge. <i>Endocrinology</i> , 2008, 149, 1627-1637.	2.8	85
31	SIRT1 mediates obesity- and nutrient-dependent perturbation of pubertal timing by epigenetically controlling Kiss1 expression. <i>Nature Communications</i> , 2018, 9, 4194.	12.8	84
32	Metabolic Programming of Puberty: Sexually Dimorphic Responses to Early Nutritional Challenges. <i>Endocrinology</i> , 2013, 154, 3387-3400.	2.8	83
33	Kisspeptin Receptor Haplo-insufficiency Causes Premature Ovarian Failure Despite Preserved Gonadotropin Secretion. <i>Endocrinology</i> , 2014, 155, 3088-3097.	2.8	83
34	Alterations in Hypothalamic KISS-1 System in Experimental Diabetes: Early Changes and Functional Consequences. <i>Endocrinology</i> , 2009, 150, 784-794.	2.8	72
35	Epigenetic regulation of puberty via Zinc finger protein-mediated transcriptional repression. <i>Nature Communications</i> , 2015, 6, 10195.	12.8	72
36	Pattern of Orexin Expression and Direct Biological Actions of Orexin-A in Rat Testis. <i>Endocrinology</i> , 2005, 146, 5164-5175.	2.8	70

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37	Activation of Microglia in Specific Hypothalamic Nuclei and the Cerebellum of Adult Rats Exposed to Neonatal Overnutrition. <i>Journal of Neuroendocrinology</i> , 2011, 23, 365-370.	2.6	65
38	Loss of Ntrk2/Kiss1r Signaling in Oocytes Causes Premature Ovarian Failure. <i>Endocrinology</i> , 2014, 155, 3098-3111.	2.8	65
39	Obesity-Induced Hypogonadism in the Male: Premature Reproductive Neuroendocrine Senescence and Contribution of Kiss1-Mediated Mechanisms. <i>Endocrinology</i> , 2014, 155, 1067-1079.	2.8	56
40	Metabolic regulation of female puberty via hypothalamic AMPK kisspeptin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E10758-E10767.	7.1	55
41	Acute inflammation reduces kisspeptin immunoreactivity at the arcuate nucleus and decreases responsiveness to kisspeptin independently of its anorectic effects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010, 299, E54-E61.	3.5	54
42	Metabolic control of female puberty: potential therapeutic targets. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 1181-1193.	3.4	53
43	Development and validation of a method for precise dating of female puberty in laboratory rodents: The puberty ovarian maturation score (Pub-Score). <i>Scientific Reports</i> , 2017, 7, 46381.	3.3	51
44	Central Ceramide Signaling Mediates Obesity-Induced Precocious Puberty. <i>Cell Metabolism</i> , 2020, 32, 951-966.e8.	16.2	49
45	Direct stimulatory effect of ghrelin on pituitary release of LH through a nitric oxide-dependent mechanism that is modulated by estrogen. <i>Reproduction</i> , 2007, 133, 1223-1232.	2.6	47
46	A system biology approach to identify regulatory pathways underlying the neuroendocrine control of female puberty in rats and nonhuman primates. <i>Hormones and Behavior</i> , 2013, 64, 175-186.	2.1	43
47	Neuromedin S as Novel Putative Regulator of Luteinizing Hormone Secretion. <i>Endocrinology</i> , 2007, 148, 813-823.	2.8	42
48	Hypothalamic miR-30 regulates puberty onset via repression of the puberty-suppressing factor, Mkrn3. <i>PLoS Biology</i> , 2019, 17, e3000532.	5.6	42
49	Follicle-Stimulating Hormone Responses to Kisspeptin in the Female Rat at the Preovulatory Period: Modulation by Estrogen and Progesterone Receptors. <i>Endocrinology</i> , 2008, 149, 5783-5790.	2.8	38
50	Environmentally Relevant Perinatal Exposures to Bisphenol A Disrupt Postnatal Kiss1/NKB Neuronal Maturation and Puberty Onset in Female Mice. <i>Environmental Health Perspectives</i> , 2019, 127, 107011.	6.0	37
51	Gonadal hormone-dependent vs. -independent effects of kisspeptin signaling in the control of body weight and metabolic homeostasis. <i>Metabolism: Clinical and Experimental</i> , 2019, 98, 84-94.	3.4	37
52	Metabolic Regulation of Kisspeptin. <i>Advances in Experimental Medicine and Biology</i> , 2013, 784, 363-383.	1.6	32
53	Effects of galanin-like peptide on luteinizing hormone secretion in the rat: sexually dimorphic responses and enhanced sensitivity at male puberty. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E1281-E1289.	3.5	31
54	Disparate Changes in Kisspeptin and Neurokinin B Expression in the Arcuate Nucleus After Sex Steroid Manipulation Reveal Differential Regulation of the Two KNDy Peptides in Rats. <i>Endocrinology</i> , 2014, 155, 3945-3955.	2.8	31

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55	Expression of KISS-1 in rat oviduct: possible involvement in prevention of ectopic implantation?. Cell and Tissue Research, 2007, 329, 571-579.	2.9	30
56	Intergenerational Influence of Paternal Obesity on Metabolic and Reproductive Health Parameters of the Offspring: Male-Preferential Impact and Involvement of Kiss1-Mediated Pathways. Endocrinology, 2018, 159, 1005-1018.	2.8	29
57	Differential modulation of gonadotropin responses to kisspeptin by aminoacidergic, peptidergic, and nitric oxide neurotransmission. American Journal of Physiology - Endocrinology and Metabolism, 2012, 303, E1252-E1263.	3.5	28
58	Metabolic and Gonadotropic Impact of Sequential Obesogenic Insults in the Female: Influence of the Loss of Ovarian Secretion. Endocrinology, 2015, 156, 2984-2998.	2.8	27
59	Novel role of the anorexigenic peptide neuromedin U in the control of LH secretion and its regulation by gonadal hormones and photoperiod. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1265-E1273.	3.5	26
60	Transcription of the human EAP1 gene is regulated by upstream components of a puberty-controlling Tumor Suppressor Gene network. Molecular and Cellular Endocrinology, 2012, 351, 184-198.	3.2	24
61	Selective role of neuropeptide Y receptor subtype Y ₂ in the control of gonadotropin secretion in the rat. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E1385-E1392.	3.5	22
62	Stimulatory effect of PYY-(36) on gonadotropin secretion is potentiated in fasted rats. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E1162-E1171.	3.5	19
63	Animal Modeling of Early Programming and Disruption of Pubertal Maturation. Endocrine Development, 2016, 29, 87-121.	1.3	18
64	Delayed Puberty in Spontaneously Hypertensive Rats Involves a Primary Ovarian Failure Independent of the Hypothalamic KISS-1/GPR54/GnRH System. Endocrinology, 2009, 150, 2889-2897.	2.8	12
65	An Alternative Transcription Start Site Yields Estrogen-Unresponsive Kiss1 mRNA Transcripts in the Hypothalamus of Prepubertal Female Rats. Neuroendocrinology, 2014, 99, 94-107.	2.5	9
66	Mechanisms for the metabolic control of puberty. Current Opinion in Endocrine and Metabolic Research, 2020, 14, 78-84.	1.4	4
67	Thermoneutrality improves skeletal impairment in adult Prader-Willi syndrome mice. Journal of Endocrinology, 2019, 243, 175-186.	2.6	3
68	Female Puberty Overview. , 2018, , 227-237.		2
69	Gene Networks, Epigenetics and the Control of Female Puberty. Research and Perspectives in Endocrine Interactions, 2015, , 97-119.	0.2	1
70	Effects of Nutrition on Pubertal Timing at the Neuroendocrine and Cellular Levels. , 2021, , 183-202.		0
71	Kisspeptins and Their Receptor. , 2009, , .		0