

Luis Garcia-Segura

List of Publications by Year in descending order

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475
papers

28,461
citations

3919

88
h-index

11581

135
g-index

482
all docs

482
docs citations

482
times ranked

18325
citing authors

#	ARTICLE	IF	CITATIONS
1	The Distribution and Mechanism of Action of Ghrelin in the CNS Demonstrates a Novel Hypothalamic Circuit Regulating Energy Homeostasis. <i>Neuron</i> , 2003, 37, 649-661.	3.8	1,465
2	Neuroprotection by estradiol. <i>Progress in Neurobiology</i> , 2001, 63, 29-60.	2.8	849
3	The neuroprotective actions of oestradiol and oestrogen receptors. <i>Nature Reviews Neuroscience</i> , 2015, 16, 17-29.	4.9	342
4	Aromatase expression by astrocytes after brain injury: implications for local estrogen formation in brain repair. <i>Neuroscience</i> , 1999, 89, 567-578.	1.1	336
5	Astrocytic modulation of blood brain barrier: perspectives on Parkinson's disease. <i>Frontiers in Cellular Neuroscience</i> , 2014, 8, 211.	1.8	321
6	Immunohistochemical mapping of calcium-binding protein immunoreactivity in the rat central nervous system. <i>Brain Research</i> , 1984, 296, 75-86.	1.1	271
7	Steroid hormones and neurosteroids in normal and pathological aging of the nervous system. <i>Progress in Neurobiology</i> , 2003, 71, 3-29.	2.8	262
8	Gonadal hormones as promoters of structural synaptic plasticity: Cellular mechanisms. <i>Progress in Neurobiology</i> , 1994, 44, 279-307.	2.8	257
9	Brain aromatase is neuroprotective. <i>Journal of Neurobiology</i> , 2001, 47, 318-329.	3.7	252
10	Estradiol upregulates Bcl-2 expression in adult brain neurons. <i>NeuroReport</i> , 1998, 9, 593-597.	0.6	244
11	Role of astroglia in estrogen regulation of synaptic plasticity and brain repair. , 1999, 40, 574-584.		234
12	Glial expression of estrogen and androgen receptors after rat brain injury. <i>Journal of Comparative Neurology</i> , 2002, 450, 256-271.	0.9	234
13	Gonadal hormones down-regulate reactive gliosis and astrocyte proliferation after a penetrating brain injury. <i>Brain Research</i> , 1993, 628, 271-278.	1.1	211
14	Neuroactive steroids: State of the art and new perspectives. <i>Cellular and Molecular Life Sciences</i> , 2008, 65, 777-797.	2.4	208
15	Localization of estrogen receptor α -immunoreactivity in astrocytes of the adult rat brain. <i>Glia</i> , 1999, 26, 260-267.	2.5	201
16	Synaptic remodeling in the rat arcuate nucleus during the estrous cycle. <i>Neuroscience</i> , 1989, 32, 663-667.	1.1	197
17	Glia-neuron crosstalk in the neuroprotective mechanisms of sex steroid hormones. <i>Brain Research Reviews</i> , 2005, 48, 273-286.	9.1	190
18	Prenatal stress causes alterations in the morphology of microglia and the inflammatory response of the hippocampus of adult female mice. <i>Journal of Neuroinflammation</i> , 2012, 9, 71.	3.1	188

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19	Estradiol inhibits GSK3 and regulates interaction of estrogen receptors, GSK3, and beta-catenin in the hippocampus. <i>Molecular and Cellular Neurosciences</i> , 2004, 25, 363-373.	1.0	186
20	Aromatase in the Brain: Not Just for Reproduction Anymore. <i>Journal of Neuroendocrinology</i> , 2008, 20, 705-712.	1.2	185
21	Estradiol synthesis within the human brain. <i>Neuroscience</i> , 2011, 191, 139-147.	1.1	183
22	Steroids and glial cell function. <i>Glia</i> , 2006, 54, 485-498.	2.5	178
23	Neuroprotective effects of estradiol in the adult rat hippocampus: Interaction with insulin-like growth factor-I signalling. , 1999, 58, 815-822.		176
24	Progesterone and its derivatives are neuroprotective agents in experimental diabetic neuropathy: A multimodal analysis. <i>Neuroscience</i> , 2007, 144, 1293-1304.	1.1	175
25	Localization of insulin-like growth factor I (IGF-I)-like immunoreactivity in the developing and adult rat brain. <i>Brain Research</i> , 1991, 560, 167-174.	1.1	170
26	Neuroanatomical relationship between type 1 cannabinoid receptors and dopaminergic systems in the rat basal ganglia. <i>Neuroscience</i> , 2003, 119, 309-318.	1.1	167
27	Actions of estrogens on glial cells: Implications for neuroprotection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1106-1112.	1.1	166
28	Aromatase: a neuroprotective enzyme. <i>Progress in Neurobiology</i> , 2003, 71, 31-41.	2.8	164
29	Endocrine Glia: Roles of Glial Cells in the Brain Actions of Steroid and Thyroid Hormones and in the Regulation of Hormone Secretion. <i>Frontiers in Neuroendocrinology</i> , 1996, 17, 180-211.	2.5	159
30	Contribution of estrogen receptors alpha and beta to the effects of estradiol in the brain. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008, 108, 327-338.	1.2	158
31	Testosterone decreases reactive astroglia and reactive microglia after brain injury in male rats: role of its metabolites, oestradiol and dihydrotestosterone. <i>European Journal of Neuroscience</i> , 2007, 25, 3039-3046.	1.2	156
32	Natural fluctuation and gonadal hormone regulation of astrocyte immunoreactivity in dentate gyrus. <i>Journal of Neurobiology</i> , 1993, 24, 913-924.	3.7	153
33	Prenatal stress increases the expression of proinflammatory cytokines and exacerbates the inflammatory response to LPS in the hippocampal formation of adult male mice. <i>Brain, Behavior, and Immunity</i> , 2013, 28, 196-206.	2.0	153
34	Interactions of estrogens and insulin-like growth factor-I in the brain: implications for neuroprotection. <i>Brain Research Reviews</i> , 2001, 37, 320-334.	9.1	152
35	Specific neurons in chick central nervous system stain with an antibody against chick intestinal vitamin D-dependent calcium-binding protein. <i>Brain Research</i> , 1981, 222, 452-457.	1.1	148
36	Reduced Progesterone Metabolites Protect Rat Hippocampal Neurons From Kainic Acid Excitotoxicity In Vivo. <i>Journal of Neuroendocrinology</i> , 2004, 16, 58-63.	1.2	147

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37	Gonadal hormone regulation of glial fibrillary acidic protein immunoreactivity and glial ultrastructure in the rat neuroendocrine hypothalamus. <i>Glia</i> , 1994, 10, 59-69.	2.5	145
38	Progesterone and its derivatives dihydroprogesterone and tetrahydroprogesterone reduce myelin fiber morphological abnormalities and myelin fiber loss in the sciatic nerve of aged rats. <i>Neurobiology of Aging</i> , 2003, 24, 853-860.	1.5	144
39	Selective estrogen receptor modulators decrease the production of interleukin-6 and interferon- β -inducible protein-10 by astrocytes exposed to inflammatory challenge <i>in vitro</i> . <i>Glia</i> , 2010, 58, 93-102.	2.5	144
40	Insulin-like growth factor I receptors and estrogen receptors colocalize in female rat brain. <i>Neuroscience</i> , 2000, 99, 751-760.	1.1	143
41	Minireview: Role of Glia in Neuroendocrine Function. <i>Endocrinology</i> , 2004, 145, 1082-1086.	1.4	143
42	Dehydroepiandrosterone, pregnenolone and sexsteroids down-regulate reactive astroglia in the male rat brain after a penetrating brain injury. <i>International Journal of Developmental Neuroscience</i> , 1999, 17, 145-151.	0.7	142
43	Synaptic remodelling in arcuate nucleus after injection of estradiol valerate in adult female rats. <i>Brain Research</i> , 1986, 366, 131-136.	1.1	141
44	Sex differences in the inflammatory response of primary astrocytes to lipopolysaccharide. <i>Biology of Sex Differences</i> , 2011, 2, 7.	1.8	140
45	Estrogen and microglia: A regulatory system that affects the brain. , 1999, 40, 484-496.		135
46	Estrogen receptor alpha forms estrogen-dependent multimolecular complexes with insulin-like growth factor receptor and phosphatidylinositol 3-kinase in the adult rat brain. <i>Molecular Brain Research</i> , 2003, 112, 170-176.	2.5	132
47	Aromatase expression in the human temporal cortex. <i>Neuroscience</i> , 2006, 138, 389-401.	1.1	132
48	Aromatase Expression by Reactive Astroglia Is Neuroprotective. <i>Annals of the New York Academy of Sciences</i> , 2003, 1007, 298-305.	1.8	131
49	Neuroactive steroids: focus on human brain. <i>Neuroscience</i> , 2011, 191, 1-5.	1.1	131
50	Gonadal Hormone Regulation of Insulin-Like Growth Factor-I Like Immunoreactivity in Hypothalamic Astroglia of Developing and Adult Rats. <i>Neuroendocrinology</i> , 1994, 59, 528-538.	1.2	127
51	Classical androgen receptors in non-classical sites in the brain. <i>Hormones and Behavior</i> , 2008, 53, 753-764.	1.0	126
52	Ligand for Translocator Protein Reverses Pathology in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2013, 33, 8891-8897.	1.7	125
53	Estradiol Prevents Neural Tau Hyperphosphorylation Characteristic of Alzheimer's Disease. <i>Annals of the New York Academy of Sciences</i> , 2005, 1052, 210-224.	1.8	123
54	Estrogen Effects on the Synaptology and Neural Membranes of the Rat Hypothalamic Arcuate Nucleus. <i>Biology of Reproduction</i> , 1990, 42, 21-28.	1.2	122

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55	Reduced metabolites mediate neuroprotective effects of progesterone in the adult rat hippocampus. The synthetic progestin medroxyprogesterone acetate (Provera) is not neuroprotective. <i>Journal of Neurobiology</i> , 2006, 66, 916-928.	3.7	121
56	Comparison of plasma and cerebrospinal fluid levels of neuroactive steroids with their brain, spinal cord and peripheral nerve levels in male and female rats. <i>Psychoneuroendocrinology</i> , 2013, 38, 2278-2290.	1.3	119
57	Increase in membrane cholesterol: A possible trigger for degradation of HMG CoA reductase and crystalloid endoplasmic reticulum in UT-1 cells. <i>Cell</i> , 1984, 36, 835-845.	13.5	117
58	Interaction of insulin-like growth factor-I and estradiol signaling pathways on hypothalamic neuronal differentiation. <i>Neuroscience</i> , 1996, 74, 531-539.	1.1	114
59	Estradiol prevents kainic acid-induced neuronal loss in the rat dentate gyrus. <i>NeuroReport</i> , 1998, 9, 3075-3079.	0.6	114
60	An antagonist of estrogen receptors blocks the induction of adult neurogenesis by insulin-like growth factor-I in the dentate gyrus of adult female rat. <i>European Journal of Neuroscience</i> , 2003, 18, 923-930.	1.2	114
61	Levels and actions of progesterone and its metabolites in the nervous system during physiological and pathological conditions. <i>Progress in Neurobiology</i> , 2014, 113, 56-69.	2.8	113
62	Coenzyme Q Induces Nigral Mitochondrial Uncoupling and Prevents Dopamine Cell Loss in a Primate Model of Parkinson's Disease. <i>Endocrinology</i> , 2003, 144, 2757-2760.	1.4	112
63	Localization of the insulin-like growth factor I receptor in the cerebellum and hypothalamus of adult rats: an electron microscopic study. <i>Journal of Neurocytology</i> , 1997, 26, 479-490.	1.6	111
64	Early motherhood in rats is associated with a modification of hippocampal function. <i>Psychoneuroendocrinology</i> , 2007, 32, 803-812.	1.3	111
65	Neuroprotective actions of estradiol revisited. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 467-473.	3.1	111
66	Estradiol induces plasticity of gabaergic synapses in the hypothalamus. <i>Neuroscience</i> , 1993, 53, 395-401.	1.1	109
67	Interactions of estrogen and insulin-like growth factor-I in the brain: molecular mechanisms and functional implications. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002, 83, 211-217.	1.2	109
68	Sex differences in Parkinson's disease: Features on clinical symptoms, treatment outcome, sexual hormones and genetics. <i>Frontiers in Neuroendocrinology</i> , 2018, 50, 18-30.	2.5	106
69	Brain aromatase expression after experimental stroke: Topography and time course. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 96, 89-91.	1.2	105
70	Age-related changes in neuroactive steroid levels in 3xTg-AD mice. <i>Neurobiology of Aging</i> , 2013, 34, 1080-1089.	1.5	105
71	Astrocytic shape and glial fibrillary acidic protein immunoreactivity are modified by estradiol in primary rat hypothalamic cultures. <i>Developmental Brain Research</i> , 1989, 47, 298-302.	2.1	104
72	Expression of insulin-like growth factor I by astrocytes in response to injury. <i>Brain Research</i> , 1992, 592, 343-347.	1.1	104

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73	Sex differences in glia reactivity after cortical brain injury. <i>Glia</i> , 2015, 63, 1966-1981.	2.5	104
74	Selective estrogen receptor modulators protect hippocampal neurons from kainic acid excitotoxicity: Differences with the effect of estradiol. <i>Journal of Neurobiology</i> , 2004, 61, 209-221.	3.7	103
75	Selective Estrogen Receptor Modulators Decrease Reactive Astrogliosis in the Injured Brain: Effects of Aging and Prolonged Depletion of Ovarian Hormones. <i>Endocrinology</i> , 2009, 150, 5010-5015.	1.4	103
76	Synergistic interaction of estradiol and insulin-like growth factor-I in the activation of PI3K/Akt signaling in the adult rat hypothalamus. <i>Molecular Brain Research</i> , 2002, 107, 80-88.	2.5	102
77	Rapid Stimulation of the PI3-Kinase/Akt Signalling Pathway in Developing Midbrain Neurons by Oestrogen. <i>Journal of Neuroendocrinology</i> , 2002, 14, 73-79.	1.2	102
78	Regulation of astroglia by gonadal steroid hormones under physiological and pathological conditions. <i>Progress in Neurobiology</i> , 2016, 144, 5-26.	2.8	101
79	Cross-talk between estrogen receptors and insulin-like growth factor-I receptor in the brain: Cellular and molecular mechanisms. <i>Frontiers in Neuroendocrinology</i> , 2006, 27, 391-403.	2.5	100
80	The distribution of glial fibrillary acidic protein in the adult rat brain is influenced by the neonatal levels of sex steroids. <i>Brain Research</i> , 1988, 456, 357-363.	1.1	98
81	Implication of the Phosphatidylinositol-3 Kinase/Protein Kinase B Signaling Pathway in the Neuroprotective Effect of Estradiol in the Striatum of 1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine Mice. <i>Molecular Pharmacology</i> , 2006, 69, 1492-1498.	1.0	97
82	Sex differences in neuroactive steroid levels in the nervous system of diabetic and non-diabetic rats. <i>Hormones and Behavior</i> , 2010, 57, 46-55.	1.0	97
83	Trophic Effects of Estradiol on Fetal Rat Hypothalamic Neurons. <i>Neuroendocrinology</i> , 1992, 56, 895-901.	1.2	96
84	Estradiol α induced redistribution of glial fibrillary acidic protein immunoreactivity in the rat brain. <i>Brain Research</i> , 1987, 406, 348-351.	1.1	95
85	Peripheral nerves: a target for the action of neuroactive steroids. <i>Brain Research Reviews</i> , 2005, 48, 328-338.	9.1	95
86	Sex-dependent alterations in response to maternal deprivation in rats. <i>Psychoneuroendocrinology</i> , 2009, 34, S217-S226.	1.3	95
87	Ro5-4864, a peripheral benzodiazepine receptor ligand, reduces reactive gliosis and protects hippocampal hilar neurons from kainic acid excitotoxicity. <i>Journal of Neuroscience Research</i> , 2005, 80, 129-137.	1.3	92
88	Selective oestrogen receptor (ER) modulators reduce microglia reactivity in vivo after peripheral inflammation: potential role of microglial ERs. <i>Journal of Endocrinology</i> , 2008, 198, 219-230.	1.2	91
89	Insulin-like growth factor-I receptors and estrogen receptors interact in the promotion of neuronal survival and neuroprotection. <i>Journal of Neurocytology</i> , 2000, 29, 425-437.	1.6	90
90	Novel cellular phenotypes and subcellular sites for androgen action in the forebrain. <i>Neuroscience</i> , 2006, 138, 801-807.	1.1	90

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91	Aromatase distribution in the monkey temporal neocortex and hippocampus. <i>Brain Research</i> , 2008, 1209, 115-127.	1.1	90
92	Evaluation of neuroactive steroid levels by liquid chromatography-tandem mass spectrometry in central and peripheral nervous system: Effect of diabetes. <i>Neurochemistry International</i> , 2008, 52, 560-568.	1.9	90
93	Adverse effects of 5 α -reductase inhibitors: What do we know, don't know, and need to know?. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2015, 16, 177-198.	2.6	90
94	Early maternal deprivation in rats induces gender-dependent effects on developing hippocampal and cerebellar cells. <i>International Journal of Developmental Neuroscience</i> , 2009, 27, 233-241.	0.7	89
95	Selective estrogen receptor modulators as brain therapeutic agents. <i>Journal of Molecular Endocrinology</i> , 2011, 46, R1-R9.	1.1	89
96	Role of astrocytes in the neuroprotective actions of 17 β -estradiol and selective estrogen receptor modulators. <i>Molecular and Cellular Endocrinology</i> , 2014, 389, 48-57.	1.6	89
97	Role of Astroglia and Insulin-Like Growth Factor-I in Gonadal Hormone-Dependent Synaptic Plasticity. <i>Brain Research Bulletin</i> , 1997, 44, 525-531.	1.4	88
98	Steroidogenic acute regulatory protein in the rat brain: cellular distribution, developmental regulation and overexpression after injury. <i>European Journal of Neuroscience</i> , 2003, 18, 1458-1467.	1.2	87
99	Seasonal Activation and Inactivation of Song Motor Memories in Wild Canaries Is Not Reflected in Neuroanatomical Changes of Forebrain Song Areas. <i>Hormones and Behavior</i> , 2001, 40, 160-168.	1.0	86
100	Effects of selective estrogen receptor modulators on allocentric working memory performance and on dendritic spines in medial prefrontal cortex pyramidal neurons of ovariectomized rats. <i>Hormones and Behavior</i> , 2012, 61, 512-517.	1.0	85
101	Synaptic remodeling in the arcuate nucleus during the estrous cycle is induced by estrogen and precedes the preovulatory gonadotropin surge.. <i>Endocrinology</i> , 1996, 137, 5576-5580.	1.4	84
102	Cross-Talk between IGF-I and Estradiol in the Brain: Focus on Neuroprotection. <i>Neuroendocrinology</i> , 2006, 84, 275-279.	1.2	84
103	Phosphatidylinositol 3-Kinase and Glycogen Synthase Kinase 3 Regulate Estrogen Receptor-Mediated Transcription in Neuronal Cells. <i>Endocrinology</i> , 2006, 147, 3027-3039.	1.4	84
104	Selective Oestrogen Receptor Modulators Decrease the Inflammatory Response of Glial Cells. <i>Journal of Neuroendocrinology</i> , 2012, 24, 183-190.	1.2	84
105	17 β -Estradiol Anti-Inflammatory Effects in Primary Astrocytes Require Oestrogen Receptor-Mediated Neuroglobin Up-Regulation. <i>Journal of Neuroendocrinology</i> , 2013, 25, 260-270.	1.2	84
106	Molecular mechanisms and cellular events involved in the neuroprotective actions of estradiol. Analysis of sex differences. <i>Frontiers in Neuroendocrinology</i> , 2019, 55, 100787.	2.5	84
107	Selective localization of calcium-binding protein in human brainstem, cerebellum and spinal cord. <i>Brain Research</i> , 1986, 399, 310-316.	1.1	83
108	Interactions of estradiol and insulin-like growth factor-I signalling in the nervous system. <i>Progress in Brain Research</i> , 2010, 181, 251-272.	0.9	83

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109	Long-term ovariectomy enhances anxiety and depressive-like behaviors in mice submitted to chronic unpredictable stress. <i>Hormones and Behavior</i> , 2010, 58, 786-791.	1.0	83
110	Diabetes-induced myelin abnormalities are associated with an altered lipid pattern: protective effects of LXR activation. <i>Journal of Lipid Research</i> , 2012, 53, 300-310.	2.0	83
111	Sex differences in the phagocytic and migratory activity of microglia and their impairment by palmitic acid. <i>Glia</i> , 2018, 66, 522-537.	2.5	83
112	Estradiol promotes cell shape changes and glial fibrillary acidic protein redistribution in hypothalamic astrocytes in vitro: A neuronal-mediated effect. <i>Glia</i> , 1992, 6, 180-187.	2.5	82
113	Neuroprotective effects of a ligand of translocator protein-18kDa (Ro5-4864) in experimental diabetic neuropathy. <i>Neuroscience</i> , 2009, 164, 520-529.	1.1	82
114	Ultrastructural analysis of crystalloid endoplasmic reticulum in UT-1 cells and its disappearance in response to cholesterol. <i>Journal of Cell Science</i> , 1983, 63, 1-20.	1.2	82
115	Effect of Short and Long Term Gonadectomy on Neuroactive Steroid Levels in the Central and Peripheral Nervous System of Male and Female Rats. <i>Journal of Neuroendocrinology</i> , 2010, 22, 1137-1147.	1.2	81
116	Androgen Receptor Immunoreactivity in Forebrain Axons and Dendrites in the Rat. <i>Endocrinology</i> , 2003, 144, 3632-3638.	1.4	80
117	Estrogen-Induced Hypothalamic Synaptic Plasticity and Pituitary Sensitization in the Control of the Estrogen-Induced Gonadotrophin Surge. <i>Reproductive Sciences</i> , 2007, 14, 101-116.	1.1	80
118	Interdependence of oestrogen and insulin-like growth factor-I in the brain: potential for analysing neuroprotective mechanisms. <i>Journal of Endocrinology</i> , 2005, 185, 11-17.	1.2	79
119	Neuroactive steroids and peripheral neuropathy. <i>Brain Research Reviews</i> , 2008, 57, 460-469.	9.1	79
120	Neuroprotection by the steroids pregnenolone and dehydroepiandrosterone is mediated by the enzyme aromatase. <i>Journal of Neurobiology</i> , 2003, 56, 398-406.	3.7	78
121	A GABAergic cell type in the lateral habenula links hypothalamic homeostatic and midbrain motivation circuits with sex steroid signaling. <i>Translational Psychiatry</i> , 2018, 8, 50.	2.4	78
122	Giant liposomes: a model system in which to obtain patch-clamp recordings of ionic channels. <i>Biochemistry</i> , 1990, 29, 11215-11222.	1.2	77
123	Sexual differentiation of synaptic connectivity and neuronal plasma membrane in the arcuate nucleus of the rat hypothalamus. <i>Brain Research</i> , 1990, 527, 116-122.	1.1	77
124	Gonadal hormones affect neuronal vulnerability to excitotoxin-induced degeneration. <i>Journal of Neurocytology</i> , 1999, 28, 699-710.	1.6	76
125	Blockade of cannabinoid CB1 receptor function protects against <i>in vivo</i> disseminating brain damage following NMDA-induced excitotoxicity. <i>Journal of Neurochemistry</i> , 2002, 82, 154-158.	2.1	76
126	Diabetic neuropathic pain: a role for testosterone metabolites. <i>Journal of Endocrinology</i> , 2014, 221, 1-13.	1.2	76

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127	Levels and actions of neuroactive steroids in the nervous system under physiological and pathological conditions: Sex-specific features. <i>Neuroscience and Biobehavioral Reviews</i> , 2016, 67, 25-40.	2.9	76
128	Gonadal steroids as promoters of neuro-glial plasticity. <i>Psychoneuroendocrinology</i> , 1994, 19, 445-453.	1.3	75
129	Gender differences in the long-term effects of chronic prenatal stress on the HPA axis and hypothalamic structure in rats. <i>Psychoneuroendocrinology</i> , 2010, 35, 1525-1535.	1.3	75
130	Neuroactive steroids, neurosteroidogenesis and sex. <i>Progress in Neurobiology</i> , 2019, 176, 1-17.	2.8	75
131	The cellular effects of estrogens on neuroendocrine tissues. <i>The Journal of Steroid Biochemistry</i> , 1988, 30, 195-207.	1.3	74
132	Neuroactive steroids regulate astroglia morphology in hippocampal cultures from adult rats. <i>Glia</i> , 1995, 14, 65-71.	2.5	74
133	Developmental sex differences and effect of ovariectomy on the number of cortical pyramidal cell dendritic spines. <i>Brain Research</i> , 1990, 515, 64-68.	1.1	71
134	The role of estradiol and progesterone in phased synaptic remodelling of the rat arcuate nucleus. <i>Brain Research</i> , 1993, 608, 38-44.	1.1	71
135	The role of glia in the hypothalamus: implications for gonadal steroid feedback and reproductive neuroendocrine output. <i>Reproduction</i> , 2008, 135, 419-429.	1.1	71
136	Neuroprotective actions of selective estrogen receptor modulators. <i>Psychoneuroendocrinology</i> , 2009, 34, S113-S122.	1.3	71
137	17 β -Estradiol " A New Modulator of Neuroglobin Levels in Neurons: Role in Neuroprotection against H ₂ O ₂ -Induced Toxicity. <i>NeuroSignals</i> , 2010, 18, 223-235.	0.5	71
138	Estradiol Activates β -Catenin Dependent Transcription in Neurons. <i>PLoS ONE</i> , 2009, 4, e5153.	1.1	71
139	Neuroactive steroids influence peripheral myelination: a promising opportunity for preventing or treating age-dependent dysfunctions of peripheral nerves. <i>Progress in Neurobiology</i> , 2003, 71, 57-66.	2.8	70
140	Interactions between neuroactive steroids and reelin haploinsufficiency in Purkinje cell survival. <i>Neurobiology of Disease</i> , 2009, 36, 103-115.	2.1	70
141	Differential effects of the neonatal and adult sex steroid environments on the organization and activation of hypothalamic growth hormone-releasing hormone and somatostatin neurons.. <i>Endocrinology</i> , 1993, 133, 2792-2802.	1.4	68
142	Phasic synaptic remodeling of the rat arcuate nucleus during the estrous cycle depends on insulin-like growth factor-I receptor activation. , 1999, 55, 286-292.		67
143	G protein-coupled estrogen receptor is required for the neuritogenic mechanism of 17 β -estradiol in developing hippocampal neurons. <i>Molecular and Cellular Endocrinology</i> , 2013, 372, 105-115.	1.6	66
144	Localization of estrogen receptor beta-immunoreactivity in astrocytes of the adult rat brain. <i>Glia</i> , 1999, 26, 260-7.	2.5	66

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145	Insulin-like growth factor 1 reduces age-related disorders induced by prenatal stress in female rats. <i>Neurobiology of Aging</i> , 2006, 27, 119-127.	1.5	65
146	Steroidogenic acute regulatory protein in the brain. <i>Neuroscience</i> , 2006, 138, 741-747.	1.1	65
147	Steroids and neuroprotection: New advances. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, v-ix.	2.5	65
148	Role of astroglia in the neuroplastic and neuroprotective actions of estradiol. <i>European Journal of Neuroscience</i> , 2010, 32, 1995-2002.	1.2	65
149	Rapid effects of gonadal steroids upon hypothalamic neuronal membrane ultrastructure. <i>The Journal of Steroid Biochemistry</i> , 1987, 27, 615-623.	1.3	64
150	Sex Steroids and the Brain: Lessons from Animal Studies. <i>Journal of Pediatric Endocrinology and Metabolism</i> , 2000, 13, 1045-66.	0.4	64
151	Astroglia play a key role in the neuroprotective actions of estrogen. <i>Progress in Brain Research</i> , 2001, 132, 469-478.	0.9	64
152	Sex hormones and brain aging. <i>Experimental Gerontology</i> , 2004, 39, 1623-1631.	1.2	64
153	Interaction of estrogen receptors with insulin-like growth factor-I and Wnt signaling in the nervous system. <i>Steroids</i> , 2010, 75, 565-569.	0.8	64
154	Neuroendocrinology of childbirth and mother-child attachment: The basis of an etiopathogenic model of perinatal neurobiological disorders. <i>Frontiers in Neuroendocrinology</i> , 2014, 35, 459-472.	2.5	64
155	CB1 and CB2 Cannabinoid Receptor Antagonists Prevent Minocycline-Induced Neuroprotection Following Traumatic Brain Injury in Mice. <i>Cerebral Cortex</i> , 2015, 25, 35-45.	1.6	64
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