Luis Garcia-Segura

List of Publications by Year
in descending order

476 papers	28,461 citations	88 h-index	136 g-index
		3933	11308
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. Neuron, 2003, 37, 649-661.	8.1	1,465
2	Neuroprotection by estradiol. Progress in Neurobiology, 2001, 63, 29-60.	5.7	849
3	The neuroprotective actions of oestradiol and oestrogen receptors. Nature Reviews Neuroscience, 2015, 16, 17-29.	10.2	342
4	Aromatase expression by astrocytes after brain injury: implications for local estrogen formation in brain repair. Neuroscience, 1999, 89, 567-578.	2.3	336
5	Astrocytic modulation of blood brain barrier: perspectives on ParkinsonÃ¢â‚¬â„¢s disease. Frontiers in Cellular Neuroscience, 2014, 8, 211.	3.7	321
6	Immunohistochemical mapping of calcium-binding protein immunoreactivity in the rat central nervous system. Brain Research, 1984, 296, 75-86.	2.2	271
7	Steroid hormones and neurosteroids in normal and pathological aging of the nervous system. Progress in Neurobiology, 2003, 71, 3-29.	5.7	262
8	Gonadal hormones as promoters of structural synaptic plasticity: Cellular mechanisms. Progress in Neurobiology, 1994, 44, 279-307.	5.7	257
9	Brain aromatase is neuroprotective. Journal of Neurobiology, 2001, 47, 318-329.	3.6	252
10	Estradiol upregulates Bcl-2 expression in adult brain neurons. NeuroReport, 1998, 9, 593-597.	1.2	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. Journal of Comparative Neurology, 2002, 450, 256-271.	1.6	234
13	Gonadal hormones down-regulate reactive gliosis and astrocyte proliferation after a penetrating brain injury. Brain Research, 1993, 628, 271-278.	2.2	211
14	Neuroactive steroids: State of the art and new perspectives. Cellular and Molecular Life Sciences, 2008, 65, 777-797.	5.4	208
15	Localization of estrogen receptor ?-immunoreactivity in astrocytes of the adult rat brain. Glia, 1999, 26, 260-267.	4.9	201
16	Synaptic remodeling in the rat arcuate nucleus during the estrous cycle. Neuroscience, 1989, 32, 663-667.	2.3	197
17	Glia-neuron crosstalk in the neuroprotective mechanisms of sex steroid hormones. Brain Research Reviews, 2005, 48, 273-286.	9.0	190
18	Prenatal stress causes alterations in the morphology of microglia and the inflammatory response of the hippocampus of adult female mice. Journal of Neuroinflammation, 2012, 9, 71.	7.2	188

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19	Estradiol inhibits GSK3 and regulates interaction of estrogen receptors, GSK3, and beta-catenin in the hippocampus. Molecular and Cellular Neurosciences, 2004, 25, 363-373.	2.2	186
20	Aromatase in the Brain: Not Just for Reproduction Anymore. Journal of Neuroendocrinology, 2008, 20, 705-712.	2.6	185
21	Estradiol synthesis within the human brain. Neuroscience, 2011, 191, 139-147.	2.3	183
22	Steroids and glial cell function. Glia, 2006, 54, 485-498.	4.9	178
23	Neuroprotective effects of estradiol in the adult rat hippocampus: Interaction with insulin-like growth factor-I signalling. Journal of Neuroscience Research, 1999, 58, 815-822.	2.9	176
24	Progesterone and its derivatives are neuroprotective agents in experimental diabetic neuropathy: A multimodal analysis. Neuroscience, 2007, 144, 1293-1304.	2.3	175
25	Localization of insulin-like growth factor I (IGF-I)-like immunoreactivity in the developing and adult rat brain. Brain Research, 1991, 560, 167-174.	2.2	170
26	Neuroanatomical relationship between type 1 cannabinoid receptors and dopaminergic systems in the rat basal ganglia. Neuroscience, 2003, 119, 309-318.	2.3	167
27	Actions of estrogens on glial cells: Implications for neuroprotection. Biochimica Et Biophysica Acta - General Subjects, 2010, 1800, 1106-1112.	2.4	166
28	Aromatase: a neuroprotective enzyme. Progress in Neurobiology, 2003, 71, 31-41.	5.7	164
29	Endocrine Glia: Roles of Glial Cells in the Brain Actions of Steroid and Thyroid Hormones and in the Regulation of Hormone Secretion. Frontiers in Neuroendocrinology, 1996, 17, 180-211.	5.2	159
30	Contribution of estrogen receptors alpha and beta to the effects of estradiol in the brain. Journal of Steroid Biochemistry and Molecular Biology, 2008, 108, 327-338.	2.5	158
31	Testosterone decreases reactive astroglia and reactive microglia after brain injury in male rats: role of its metabolites, oestradiol and dihydrotestosterone. European Journal of Neuroscience, 2007, 25, 3039-3046.	2.6	156
32	Natural fluctuation and gonadal hormone regulation of astrocyte immunoreactivity in dentate gyrus. Journal of Neurobiology, 1993, 24, 913-924.	3.6	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. Brain, Behavior, and Immunity, 2013, 28, 196-206.	4.1	153
34	Interactions of estrogens and insulin-like growth factor-I in the brain: implications for neuroprotection. Brain Research Reviews, 2001, 37, 320-334.	9.0	152
35	Specific neurons in chick central nervous system stain with an antibody against chick intestinal vitamin D-dependent calcium-binding protein. Brain Research, 1981, 222, 452-457.	2.2	148
36	Reduced Progesterone Metabolites Protect Rat Hippocampal Neurones From Kainic Acid ExcitotoxicityIn Vivo. Journal of Neuroendocrinology, 2004, 16, 58-63.	2.6	147

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37	Gonadal hormone regulation of glial fibrillary acidic protein immunoreactivity and glial ultrastructure in the rat neuroendocrine hypothalamus. Glia, 1994, 10, 59-69.	4.9	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. Neurobiology of Aging, 2003, 24, 853-860.	3.1	144
39	Selective estrogen receptor modulators decrease the production of interleukinâ€6 and interferonâ€inducible proteinâ€10 by astrocytes exposed to inflammatory challenge in vitro. Glia, 2010, 58, 93-102.	4.9	144
40	Insulin-like growth factor I receptors and estrogen receptors colocalize in female rat brain. Neuroscience, 2000, 99, 751-760.	2.3	143
41	Minireview: Role of Glia in Neuroendocrine Function. Endocrinology, 2004, 145, 1082-1086.	2.8	143
42	Dehydroepiandrosterone, pregnenolone and sexsteroids downâ€regulate reactive astroglia in the male ratbrain after a penetrating brain injury. International Journal of Developmental Neuroscience, 1999, 17, 145-151.	1.6	142
43	Synaptic remodelling in arcuate nucleus after injection of estradiol valerate in adult female rats. Brain Research, 1986, 366, 131-136.	2.2	141
44	Sex differences in the inflammatory response of primary astrocytes to lipopolysaccharide. Biology of Sex Differences, 2011, 2, 7.	4.1	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. Molecular Brain Research, 2003, 112, 170-176.	2.3	132
47	Aromatase expression in the human temporal cortex. Neuroscience, 2006, 138, 389-401.	2.3	132
48	Aromatase Expression by Reactive Astroglia Is Neuroprotective. Annals of the New York Academy of Sciences, 2003, 1007, 298-305.	3.8	131
49	Neuroactive steroids: focus on human brain. Neuroscience, 2011, 191, 1-5.	2.3	131
50	Gonadal Hormone Regulation of Insulin-Like Growth Factor-I Like Immunoreactivity in Hypothalamic Astroglia of Developing and Adult Rats. Neuroendocrinology, 1994, 59, 528-538.	2.5	127
51	Classical androgen receptors in non-classical sites in the brain. Hormones and Behavior, 2008, 53, 753-764.	2.1	126
52	Ligand for Translocator Protein Reverses Pathology in a Mouse Model of Alzheimer's Disease. Journal of Neuroscience, 2013, 33, 8891-8897.	3.6	125
53	Estradiol Prevents Neural Tau Hyperphosphorylation Characteristic of Alzheimer's Disease. Annals of the New York Academy of Sciences, 2005, 1052, 210-224.	3.8	123
54	Estrogen Effects on the Synaptology and Neural Membranes of the Rat Hypothalamic Arcuate Nucleus1. Biology of Reproduction, 1990, 42, 21-28.	2.7	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. Journal of Neurobiology, 2006, 66, 916-928.	3.6	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. Psychoneuroendocrinology, 2013, 38, 2278-2290.	2.7	119
57	Increase in membrane cholesterol: A possible trigger for degradation of HMG CoA reductase and crystalloid endoplasmic reticulum in UT-1 cells. Cell, 1984, 36, 835-845.	28.9	117
58	Interaction of insulin-like growth factor-I and estradiol signaling pathways on hypothalamic neuronal differentiation. Neuroscience, 1996, 74, 531-539.	2.3	114
59	Estradiol prevents kainic acid-induced neuronal loss in the rat dentate gyrus. NeuroReport, 1998, 9, 3075-3079.	1.2	114
60	An antagonist of estrogen receptors blocks the induction of adult neurogenesis by insulinâ€like growth factorâ€ in the dentate gyrus of adult female rat. European Journal of Neuroscience, 2003, 18, 923-930.	2.6	114
61	Levels and actions of progesterone and its metabolites in the nervous system during physiological and pathological conditions. Progress in Neurobiology, 2014, 113, 56-69.	5.7	113
62	Coenzyme Q Induces Nigral Mitochondrial Uncoupling and Prevents Dopamine Cell Loss in a Primate Model of Parkinsonâ€™s Disease. Endocrinology, 2003, 144, 2757-2760.	2.8	112
63	Localization of the insulin-like growth factor I receptor in the cerebellum and hypothalamus of adult rats: an electron microscopic study. Journal of Neurocytology, 1997, 26, 479-490.	1.5	111
64	Early motherhood in rats is associated with a modification of hippocampal function. Psychoneuroendocrinology, 2007, 32, 803-812.	2.7	111
65	Neuroprotective actions of estradiol revisited. Trends in Endocrinology and Metabolism, 2011, 22, 467-473.	7.1	111
66	Estradiol induces plasticity of gabaergic synapses in the hypothalamus. Neuroscience, 1993, 53, 395-401.	2.3	109
67	Interactions of estrogen and insulin-like growth factor-I in the brain: molecular mechanisms and functional implications. Journal of Steroid Biochemistry and Molecular Biology, 2002, 83, 211-217.	2.5	109
68	Sex differences in Parkinsonâ€™s disease: Features on clinical symptoms, treatment outcome, sexual hormones and genetics. Frontiers in Neuroendocrinology, 2018, 50, 18-30.	5.2	106
69	Brain aromatase expression after experimental stroke: Topography and time course. Journal of Steroid Biochemistry and Molecular Biology, 2005, 96, 89-91.	2.5	105
70	Age-related changes in neuroactive steroid levels in 3xTg-AD mice. Neurobiology of Aging, 2013, 34, 1080-1089.	3.1	105
71	Astrocytic shape and glial fibrillary acidic protein immunoreactivity are modified by estradiol in primary rat hypothalamic cultures. Developmental Brain Research, 1989, 47, 298-302.	1.7	104
72	Expression of insulin-like growth factor I by astrocytes in response to injury. Brain Research, 1992, 592, 343-347.	2.2	104

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73	Sex differences in glia reactivity after cortical brain injury. Glia, 2015, 63, 1966-1981.	4.9	104
74	Selective estrogen receptor modulators protect hippocampal neurons from kainic acid excitotoxicity: Differences with the effect of estradiol. Journal of Neurobiology, 2004, 61, 209-221.	3.6	103
75	Selective Estrogen Receptor Modulators Decrease Reactive Astrogliosis in the Injured Brain: Effects of Aging and Prolonged Depletion of Ovarian Hormones. Endocrinology, 2009, 150, 5010-5015.	2.8	103
76	Synergistic interaction of estradiol and insulin-like growth factor-I in the activation of PI3K/Akt signaling in the adult rat hypothalamus. Molecular Brain Research, 2002, 107, 80-88.	2.3	102
77	Rapid Stimulation of the PI3â€Kinase/Akt Signalling Pathway in Developing Midbrain Neurones by Oestrogen. Journal of Neuroendocrinology, 2002, 14, 73-79.	2.6	102
78	Regulation of astroglia by gonadal steroid hormones under physiological and pathological conditions. Progress in Neurobiology, 2016, 144, 5-26.	5.7	101
79	Cross-talk between estrogen receptors and insulin-like growth factor-I receptor in the brain: Cellular and molecular mechanisms. Frontiers in Neuroendocrinology, 2006, 27, 391-403.	5.2	100
80	The distribution of glial fibrillary acidic protein in the adult rat brain is influenced by the neonatal levels of sex steroids. Brain Research, 1988, 456, 357-363.	2.2	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. Molecular Pharmacology, 2006, 69, 1492-1498.	2.3	97
82	Sex differences in neuroactive steroid levels in the nervous system of diabetic and non-diabetic rats. Hormones and Behavior, 2010, 57, 46-55.	2.1	97
83	Trophic Effects of Estradiol on Fetal Rat Hypothalamic Neurons. Neuroendocrinology, 1992, 56, 895-901.	2.5	96
84	Estradiol â€" induced redistribution of glial fibrillary acidic protein immunoreactivity in the rat brain. Brain Research, 1987, 406, 348-351.	2.2	95
85	Peripheral nerves: a target for the action of neuroactive steroids. Brain Research Reviews, 2005, 48, 328-338.	9.0	95
86	Sex-dependent alterations in response to maternal deprivation in rats. Psychoneuroendocrinology, 2009, 34, S217-S226.	2.7	95
87	Ro5-4864, a peripheral benzodiazepine receptor ligand, reduces reactive gliosis and protects hippocampal hilar neurons from kainic acid excitotoxicity. Journal of Neuroscience Research, 2005, 80, 129-137.	2.9	92
88	Selective oestrogen receptor (ER) modulators reduce microglia reactivity in vivo after peripheral inflammation: potential role of microglial ERs. Journal of Endocrinology, 2008, 198, 219-230.	2.6	91
89	Insulin-like growth factor-I receptors and estrogen receptors interact in the promotion of neuronal survival and neuroprotection. Journal of Neurocytology, 2000, 29, 425-437.	1.5	90
90	Novel cellular phenotypes and subcellular sites for androgen action in the forebrain. Neuroscience, 2006, 138, 801-807.	2.3	90

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91	Aromatase distribution in the monkey temporal neocortex and hippocampus. Brain Research, 2008, 1209, 115-127.	2.2	90
92	Evaluation of neuroactive steroid levels by liquid chromatographyâ€“tandem mass spectrometry in central and peripheral nervous system: Effect of diabetes. Neurochemistry International, 2008, 52, 560-568.	3.8	90
93	Adverse effects of 5Î±-reductase inhibitors: What do we know, donâ€™t know, and need to know?. Reviews in Endocrine and Metabolic Disorders, 2015, 16, 177-198.	5.7	90
94	Early maternal deprivation in rats induces genderâ€dependent effects on developing hippocampal and cerebellar cells. International Journal of Developmental Neuroscience, 2009, 27, 233-241.	1.6	89
95	Selective estrogen receptor modulators as brain therapeutic agents. Journal of Molecular Endocrinology, 2011, 46, R1-R9.	2.5	89
96	Role of astrocytes in the neuroprotective actions of 17Î²-estradiol and selective estrogen receptor modulators. Molecular and Cellular Endocrinology, 2014, 389, 48-57.	3.2	89
97	Role of Astroglia and Insulin-Like Growth Factor-I in Gonadal Hormone-Dependent Synaptic Plasticity. Brain Research Bulletin, 1997, 44, 525-531.	3.0	88
98	Steroidogenic acute regulatory protein in the rat brain: cellular distribution, developmental regulation and overexpression after injury. European Journal of Neuroscience, 2003, 18, 1458-1467.	2.6	87
99	Seasonal Activation and Inactivation of Song Motor Memories in Wild Canaries Is Not Reflected in Neuroanatomical Changes of Forebrain Song Areas. Hormones and Behavior, 2001, 40, 160-168.	2.1	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. Hormones and Behavior, 2012, 61, 512-517.	2.1	85
101	Synaptic remodeling in the arcuate nucleus during the estrous cycle is induced by estrogen and precedes the preovulatory gonadotropin surge.. Endocrinology, 1996, 137, 5576-5580.	2.8	84
102	Cross-Talk between IGF-I and Estradiol in the Brain: Focus on Neuroprotection. Neuroendocrinology, 2006, 84, 275-279.	2.5	84
103	Phosphatidylinositol 3-Kinase and Glycogen Synthase Kinase 3 Regulate Estrogen Receptor-Mediated Transcription in Neuronal Cells. Endocrinology, 2006, 147, 3027-3039.	2.8	84
104	Selective Oestrogen Receptor Modulators Decrease the Inflammatory Response of Glial Cells. Journal of Neuroendocrinology, 2012, 24, 183-190.	2.6	84
105	17Î²â€Oestradiol Antiâ€Inflammatory Effects in Primary Astrocytes Require Oestrogen Receptor Î²â€Mediated Neuroglobin Upâ€Regulation. Journal of Neuroendocrinology, 2013, 25, 260-270.	2.6	84
106	Molecular mechanisms and cellular events involved in the neuroprotective actions of estradiol. Analysis of sex differences. Frontiers in Neuroendocrinology, 2019, 55, 100787.	5.2	84
107	Selective localization of calcium-binding protein in human brainstem, cerebellum and spinal cord. Brain Research, 1986, 399, 310-316.	2.2	83
108	Interactions of estradiol and insulin-like growth factor-I signalling in the nervous system. Progress in Brain Research, 2010, 181, 251-272.	1.4	83

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109	Long-term ovariectomy enhances anxiety and depressive-like behaviors in mice submitted to chronic unpredictable stress. Hormones and Behavior, 2010, 58, 786-791.	2.1	83
110	Diabetes-induced myelin abnormalities are associated with an altered lipid pattern: protective effects of LXR activation. Journal of Lipid Research, 2012, 53, 300-310.	4.2	83
111	Sex differences in the phagocytic and migratory activity of microglia and their impairment by palmitic acid. Glia, 2018, 66, 522-537.	4.9	83
112	Estradiol promotes cell shape changes and glial fibrillary acidic protein redistribution in hypothalamic astrocytes in vitro: A neuronal-mediated effect. Glia, 1992, 6, 180-187.	4.9	82
113	Neuroprotective effects of a ligand of translocator protein-18kDa (Ro5-4864) in experimental diabetic neuropathy. Neuroscience, 2009, 164, 520-529.	2.3	82
114	Ultrastructural analysis of crystalloid endoplasmic reticulum in UT-1 cells and its disappearance in response to cholesterol. Journal of Cell Science, 1983, 63, 1-20.	2.0	82
115	Effect of Shortâ€and Longâ€Term Gonadectomy on Neuroactive Steroid Levels in the Central and Peripheral Nervous System of Male and Female Rats. Journal of Neuroendocrinology, 2010, 22, 1137-1147.	2.6	81
116	Androgen Receptor Immunoreactivity in Forebrain Axons and Dendrites in the Rat. Endocrinology, 2003, 144, 3632-3638.	2.8	80
117	Estrogen-Induced Hypothalamic Synaptic Plasticity and Pituitary Sensitization in the Control of the Estrogen-Induced Gonadotrophin Surge. Reproductive Sciences, 2007, 14, 101-116.	2.5	80
118	Interdependence of oestrogen and insulin-like growth factor-I in the brain: potential for analysing neuroprotective mechanisms. Journal of Endocrinology, 2005, 185, 11-17.	2.6	79
119	Neuroactive steroids and peripheral neuropathy. Brain Research Reviews, 2008, 57, 460-469.	9.0	79
120	Neuroprotection by the steroids pregnenolone and dehydroepiandrosterone is mediated by the enzyme aromatase. Journal of Neurobiology, 2003, 56, 398-406.	3.6	78
121	A GABAergic cell type in the lateral habenula links hypothalamic homeostatic and midbrain motivation circuits with sex steroid signaling. Translational Psychiatry, 2018, 8, 50.	4.8	78
122	Giant liposomes: a model system in which to obtain patch-clamp recordings of ionic channels. Biochemistry, 1990, 29, 11215-11222.	2.5	77
123	Sexual differentiation of synaptic connectivity and neuronal plasma membrane in the arcuate nucleus of the rat hypothalamus. Brain Research, 1990, 527, 116-122.	2.2	77
124	Gonadal hormones affect neuronal vulnerability to excitotoxin-induced degeneration. Journal of Neurocytology, 1999, 28, 699-710.	1.5	76
125	Blockade of cannabinoid CB₁ receptor function protects against inâ€ƒvivo disseminating brain damage following NMDAâ€induced excitotoxicity. Journal of Neurochemistry, 2002, 82, 154-158.	3.9	76
126	Diabetic neuropathic pain: a role for testosterone metabolites. Journal of Endocrinology, 2014, 221, 1-13.	2.6	76

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127	Levels and actions of neuroactive steroids in the nervous system under physiological and pathological conditions: Sex-specific features. Neuroscience and Biobehavioral Reviews, 2016, 67, 25-40.	6.1	76
128	Gonadal steroids as promoters of neuro-glial plasticity. Psychoneuroendocrinology, 1994, 19, 445-453.	2.7	75
129	Gender differences in the long-term effects of chronic prenatal stress on the HPA axis and hypothalamic structure in rats. Psychoneuroendocrinology, 2010, 35, 1525-1535.	2.7	75
130	Neuroactive steroids, neurosteroidogenesis and sex. Progress in Neurobiology, 2019, 176, 1-17.	5.7	75
131	The cellular effects of estrogens on neuroendocrine tissues. The Journal of Steroid Biochemistry, 1988, 30, 195-207.	1.1	74
132	Neuroactive steroids regulate astroglia morphology in hippocampal cultures from adult rats. Glia, 1995, 14, 65-71.	4.9	74
133	Developmental sex differences and effect of ovariectomy on the number of cortical pyramidal cell dendritic spines. Brain Research, 1990, 515, 64-68.	2.2	71
134	The role of estradiol and progesterone in phased synaptic remodelling of the rat arcuate nucleus. Brain Research, 1993, 608, 38-44.	2.2	71
135	The role of glia in the hypothalamus: implications for gonadal steroid feedback and reproductive neuroendocrine output. Reproduction, 2008, 135, 419-429.	2.6	71
136	Neuroprotective actions of selective estrogen receptor modulators. Psychoneuroendocrinology, 2009, 34, S113-S122.	2.7	71
137	17Î²-Estradiol â€“ A New Modulator of Neuroglobin Levels in Neurons: Role in Neuroprotection against H₂O₂-Induced Toxicity. NeuroSignals, 2010, 18, 223-235.	0.9	71
138	Estradiol Activates Î²-Catenin Dependent Transcription in Neurons. PLoS ONE, 2009, 4, e5153.	2.5	71
139	Neuroactive steroids influence peripheral myelination: a promising opportunity for preventing or treating age-dependent dysfunctions of peripheral nerves. Progress in Neurobiology, 2003, 71, 57-66.	5.7	70
140	Interactions between neuroactive steroids and reelin haploinsufficiency in Purkinje cell survival. Neurobiology of Disease, 2009, 36, 103-115.	4.4	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.. Endocrinology, 1993, 133, 2792-2802.	2.8	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 17Î²-estradiol in developing hippocampal neurons. Molecular and Cellular Endocrinology, 2013, 372, 105-115.	3.2	66
144	Localization of estrogen receptor beta-immunoreactivity in astrocytes of the adult rat brain. Glia, 1999, 26, 260-7.	4.9	66

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145	Insulin-like growth factor 1 reduces age-related disorders induced by prenatal stress in female rats. Neurobiology of Aging, 2006, 27, 119-127.	3.1	65
146	Steroidogenic acute regulatory protein in the brain. Neuroscience, 2006, 138, 741-747.	2.3	65
147	Steroids and neuroprotection: New advances. Frontiers in Neuroendocrinology, 2009, 30, v-ix.	5.2	65
148	Role of astroglia in the neuroplastic and neuroprotective actions of estradiol. European Journal of Neuroscience, 2010, 32, 1995-2002.	2.6	65
149	Rapid effects of gonadal steroids upon hypothalamic neuronal membrane ultrastructure. The Journal of Steroid Biochemistry, 1987, 27, 615-623.	1.1	64
150	Sex Steroids and the Brain: Lessons from Animal Studies. Journal of Pediatric Endocrinology and Metabolism, 2000, 13, 1045-66.	0.9	64
151	Astroglia play a key role in the neuroprotective actions of estrogen. Progress in Brain Research, 2001, 132, 469-478.	1.4	64
152	Sex hormones and brain aging. Experimental Gerontology, 2004, 39, 1623-1631.	2.8	64
153	Interaction of estrogen receptors with insulin-like growth factor-I and Wnt signaling in the nervous system. Steroids, 2010, 75, 565-569.	1.8	64
154	Neuroendocrinology of childbirth and motherâ€“child attachment: The basis of an etiopathogenic model of perinatal neurobiological disorders. Frontiers in Neuroendocrinology, 2014, 35, 459-472.	5.2	64
155	CB1 and CB2 Cannabinoid Receptor Antagonists Prevent Minocycline-Induced Neuroprotection Following Traumatic Brain Injury in Mice. Cerebral Cortex, 2015, 25, 35-45.	2.9	64
156	Estradiol and progesterone regulate the expression of insulin-like growth factor-I receptor and insulin-like growth factor binding protein-2 in the hypothalamus of adult female rats. , 2000, 43, 269-281.		63
157	Neuroprotective and neurotoxic effects of estrogens. Brain Research, 2003, 990, 20-27.	2.2	63
158	Sex differences, developmental changes, response to injury and cAMP regulation of the mRNA levels of steroidogenic acute regulatory protein, cytochrome p450scc, and aromatase in the olivocerebellar system. Journal of Neurobiology, 2006, 66, 308-318.	3.6	63
159	Gonadal hormones and the control of reactive gliosis. Hormones and Behavior, 2013, 63, 216-221.	2.1	62
160	Estradiol, insulin-like growth factor-I and brain aging. Psychoneuroendocrinology, 2007, 32, S57-S61.	2.7	60
161	Role of estrogen receptor Î± in membrane-initiated signaling in neural cells: Interaction with IGF-1 receptor. Journal of Steroid Biochemistry and Molecular Biology, 2009, 114, 2-7.	2.5	60
162	Tibolone protects astrocytic cells from glucose deprivation through a mechanism involving estrogen receptor beta and the upregulation of neuroglobin expression. Molecular and Cellular Endocrinology, 2016, 433, 35-46.	3.2	60

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163	Selective estrogen receptor modulators regulate reactive microglia after penetrating brain injury. Frontiers in Aging Neuroscience, 2014, 6, 132.	3.4	59
164	Estrogen Induces Synaptic Plasticity in Adult Primate Neurons. Neuroendocrinology, 1993, 57, 935-939.	2.5	58
165	Insertion of Escherichia coli alpha-haemolysin in lipid bilayers as a non-transmembrane integral protein: prediction and experiment. Molecular Microbiology, 1999, 31, 1013-1024.	2.5	58
166	Estrogen receptors and insulin-like growth factor-I receptors mediate estrogen-dependent synaptic plasticity. NeuroReport, 2000, 11, 1735-1738.	1.2	58
167	Testosterone derivatives are neuroprotective agents in experimental diabetic neuropathy. Cellular and Molecular Life Sciences, 2007, 64, 1158-1168.	5.4	58
168	Sexual dimorphism and sex steroid modulation of glial fibrillary acidic protein messenger RNA and immunoreactivity levels in the rat hypothalamus. Neuroscience, 1995, 69, 519-532.	2.3	57
169	Endocrine-dependent accumulation of IGF-I by hypothalamic glia. NeuroReport, 1996, 8, 373-377.	1.2	57
170	Testosterone-dependent increase of gap-junctions in HVC neurons of adult female canaries. Brain Research, 1996, 712, 69-73.	2.2	57
171	Sex-specific therapeutic strategies based on neuroactive steroids: In search for innovative tools for neuroprotection. Hormones and Behavior, 2010, 57, 2-11.	2.1	57
172	Changes in Cannabinoid Receptors, Aquaporin 4 and Vimentin Expression after Traumatic Brain Injury in Adolescent Male Mice. Association with Edema and Neurological Deficit. PLoS ONE, 2015, 10, e0128782.	2.5	57
173	Growth hormone prevents neuronal loss in the aged rat hippocampus. Neurobiology of Aging, 2005, 26, 697-703.	3.1	56
174	Translocator protein (18 kDa) is involved in the regulation of reactive gliosis. Glia, 2007, 55, 1426-1436.	4.9	56
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