

Luis Miguel Garcia-segura

List of Publications by Year in descending order

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268
papers

18,412
citations

8446

76
h-index

19633

118
g-index

294
all docs

294
docs citations

294
times ranked

14950
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.	8.0	1,478
2	Neuroprotection by estradiol. <i>Progress in Neurobiology</i> , 2001, 63, 29-60.	5.8	855
3	The neuroprotective actions of oestradiol and oestrogen receptors. <i>Nature Reviews Neuroscience</i> , 2015, 16, 17-29.	10.7	356
4	Brain aromatase is neuroprotective. <i>Journal of Neurobiology</i> , 2001, 47, 318-329.	3.1	252
5	Estradiol upregulates Bcl-2 expression in adult brain neurons. <i>NeuroReport</i> , 1998, 9, 593-597.	1.2	246
6	Role of astroglia in estrogen regulation of synaptic plasticity and brain repair. <i>Journal of Neurobiology</i> , 1999, 40, 574-584.	3.1	236
7	Localization of estrogen receptor α -immunoreactivity in astrocytes of the adult rat brain. <i>Glia</i> , 1999, 26, 260-267.	5.3	203
8	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.	7.4	197
9	Glia-neuron crosstalk in the neuroprotective mechanisms of sex steroid hormones. <i>Brain Research Reviews</i> , 2005, 48, 273-286.	9.0	192
10	Steroids and glial cell function. <i>Glia</i> , 2006, 54, 485-498.	5.3	180
11	Neuroprotective effects of estradiol in the adult rat hippocampus: Interaction with insulin-like growth factor-I signalling. <i>Journal of Neuroscience Research</i> , 1999, 58, 815-822.	3.0	177
12	Actions of estrogens on glial cells: Implications for neuroprotection. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2010, 1800, 1106-1112.	2.5	175
13	Aromatase: a neuroprotective enzyme. <i>Progress in Neurobiology</i> , 2003, 71, 31-41.	5.8	166
14	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.	5.2	161
15	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.	3.5	160
16	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.	2.6	159
17	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.	6.3	157
18	Natural fluctuation and gonadal hormone regulation of astrocyte immunoreactivity in dentate gyrus. <i>Journal of Neurobiology</i> , 1993, 24, 913-924.	3.1	154

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19	Interactions of estrogens and insulin-like growth factor-I in the brain: implications for neuroprotection. <i>Brain Research Reviews</i> , 2001, 37, 320-334.	9.0	152
20	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.	2.3	148
21	Sex differences in the inflammatory response of primary astrocytes to lipopolysaccharide. <i>Biology of Sex Differences</i> , 2011, 2, 7.	4.2	147
22	Gonadal hormone regulation of glial fibrillary acidic protein immunoreactivity and glial ultrastructure in the rat neuroendocrine hypothalamus. <i>Glia</i> , 1994, 10, 59-69.	5.3	145
23	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.	3.2	144
24	Minireview: Role of Glia in Neuroendocrine Function. <i>Endocrinology</i> , 2004, 145, 1082-1086.	2.8	143
25	Dehydroepiandrosterone, pregnenolone and sexsteroids downregulate reactive astroglia in the male rat brain after a penetrating brain injury. <i>International Journal of Developmental Neuroscience</i> , 1999, 17, 145-151.	1.6	142
26	Estrogen and microglia: A regulatory system that affects the brain. <i>Journal of Neurobiology</i> , 1999, 40, 484-496.	3.1	136
27	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.	2.4	132
28	Classical androgen receptors in non-classical sites in the brain. <i>Hormones and Behavior</i> , 2008, 53, 753-764.	2.1	130
29	Ligand for Translocator Protein Reverses Pathology in a Mouse Model of Alzheimer's Disease. <i>Journal of Neuroscience</i> , 2013, 33, 8891-8897.	3.8	130
30	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.	2.8	123
31	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.	3.1	122
32	Neuroprotective actions of estradiol revisited. <i>Trends in Endocrinology and Metabolism</i> , 2011, 22, 467-473.	7.0	118
33	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.	27.8	117
34	Estradiol prevents kainic acid-induced neuronal loss in the rat dentate gyrus. <i>NeuroReport</i> , 1998, 9, 3075-3079.	1.2	114
35	An antagonist of estrogen receptors blocks the induction of adult neurogenesis by insulin-like growth factor-1 in the dentate gyrus of adult female rat. <i>European Journal of Neuroscience</i> , 2003, 18, 923-930.	3.5	114
36	Early motherhood in rats is associated with a modification of hippocampal function. <i>Psychoneuroendocrinology</i> , 2007, 32, 803-812.	2.8	114

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37	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.	5.8	114
38	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.	2.8	113
39	Sex differences in glia reactivity after cortical brain injury. <i>Glia</i> , 2015, 63, 1966-1981.	5.3	112
40	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.	2.6	109
41	Age-related changes in neuroactive steroid levels in 3xTg-AD mice. <i>Neurobiology of Aging</i> , 2013, 34, 1080-1089.	3.2	107
42	Regulation of astroglia by gonadal steroid hormones under physiological and pathological conditions. <i>Progress in Neurobiology</i> , 2016, 144, 5-26.	5.8	105
43	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.	3.1	104
44	Selective Estrogen Receptor Modulators Decrease Reactive Astroglia in the Injured Brain: Effects of Aging and Prolonged Depletion of Ovarian Hormones. <i>Endocrinology</i> , 2009, 150, 5010-5015.	2.8	103
45	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.	2.4	102
46	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.	5.2	102
47	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.	2.1	100
48	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.	2.3	98
49	Peripheral nerves: a target for the action of neuroactive steroids. <i>Brain Research Reviews</i> , 2005, 48, 328-338.	9.0	97
50	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.	3.0	93
51	Selective estrogen receptor modulators as brain therapeutic agents. <i>Journal of Molecular Endocrinology</i> , 2011, 46, R1-R9.	6.0	93
52	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.	3.9	92
53	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.	3.3	92
54	Molecular mechanisms and cellular events involved in the neuroprotective actions of estradiol. Analysis of sex differences. <i>Frontiers in Neuroendocrinology</i> , 2019, 55, 100787.	5.2	92

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55	Aromatase distribution in the monkey temporal neocortex and hippocampus. <i>Brain Research</i> , 2008, 1209, 115-127.	2.3	91
56	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.	5.8	91
57	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.	1.4	90
58	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.	1.6	89
59	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.	3.5	87
60	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.	4.9	87
61	Interactions of estradiol and insulin-like growth factor-I signalling in the nervous system. <i>Progress in Brain Research</i> , 2010, 181, 251-272.	3.9	86
62	Sex differences in the phagocytic and migratory activity of microglia and their impairment by palmitic acid. <i>Glia</i> , 2018, 66, 522-537.	5.3	86
63	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.	2.1	85
64	Phosphatidylinositol 3-Kinase and Glycogen Synthase Kinase 3 Regulate Estrogen Receptor-Mediated Transcription in Neuronal Cells. <i>Endocrinology</i> , 2006, 147, 3027-3039.	2.8	84
65	Neuroactive steroids, neurosteroidogenesis and sex. <i>Progress in Neurobiology</i> , 2019, 176, 1-17.	5.8	84
66	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.	5.3	83
67	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.	4.2	83
68	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.	2.5	82
69	Neuroactive steroids and peripheral neuropathy. <i>Brain Research Reviews</i> , 2008, 57, 460-469.	9.0	82
70	Androgen Receptor Immunoreactivity in Forebrain Axons and Dendrites in the Rat. <i>Endocrinology</i> , 2003, 144, 3632-3638.	2.8	81
71	Neuroprotection by the steroids pregnenolone and dehydroepiandrosterone is mediated by the enzyme aromatase. <i>Journal of Neurobiology</i> , 2003, 56, 398-406.	3.1	79
72	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.	6.6	79

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73	Giant liposomes: a model system in which to obtain patch-clamp recordings of ionic channels. <i>Biochemistry</i> , 1990, 29, 11215-11222.	2.6	77
74	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.	2.8	77
75	Gonadal hormones affect neuronal vulnerability to excitotoxin-induced degeneration. <i>Journal of Neurocytology</i> , 1999, 28, 699-710.	1.4	76
76	Neuroactive steroids regulate astroglia morphology in hippocampal cultures from adult rats. <i>Glia</i> , 1995, 14, 65-71.	5.3	74
77	The role of glia in the hypothalamus: implications for gonadal steroid feedback and reproductive neuroendocrine output. <i>Reproduction</i> , 2008, 135, 419-429.	2.6	73
78	Neuroprotective actions of selective estrogen receptor modulators. <i>Psychoneuroendocrinology</i> , 2009, 34, S113-S122.	2.8	72
79	Estradiol Activates β -Catenin Dependent Transcription in Neurons. <i>PLoS ONE</i> , 2009, 4, e5153.	2.5	72
80	Interactions between neuroactive steroids and reelin haploinsufficiency in Purkinje cell survival. <i>Neurobiology of Disease</i> , 2009, 36, 103-115.	4.5	70
81	Phasic synaptic remodeling of the rat arcuate nucleus during the estrous cycle depends on insulin-like growth factor-I receptor activation. <i>Journal of Neuroscience Research</i> , 1999, 55, 286-292.	3.0	69
82	Steroids and neuroprotection: New advances. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, v-ix.	5.2	68
83	Role of astroglia in the neuroplastic and neuroprotective actions of estradiol. <i>European Journal of Neuroscience</i> , 2010, 32, 1995-2002.	3.5	67
84	Interaction of estrogen receptors with insulin-like growth factor-I and Wnt signaling in the nervous system. <i>Steroids</i> , 2010, 75, 565-569.	1.9	67
85	G protein-coupled estrogen receptor is required for the neurotogenic mechanism of 17β -estradiol in developing hippocampal neurons. <i>Molecular and Cellular Endocrinology</i> , 2013, 372, 105-115.	3.3	67
86	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.	5.2	66
87	Sex hormones and brain aging. <i>Experimental Gerontology</i> , 2004, 39, 1623-1631.	2.9	65
88	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.	3.2	65
89	CB1 and CB2 Cannabinoid Receptor Antagonists Prevent Minocycline-Induced Neuroprotection Following Traumatic Brain Injury in Mice. <i>Cerebral Cortex</i> , 2015, 25, 35-45.	3.2	65
90	Neuroprotective and neurotoxic effects of estrogens. <i>Brain Research</i> , 2003, 990, 20-27.	2.3	64

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91	Sex differences, developmental changes, response to injury and cAMP regulation of the mRNA levels of steroidogenic acute regulatory protein, cytochrome p450 _{scc} , and aromatase in the olivocerebellar system. <i>Journal of Neurobiology</i> , 2006, 66, 308-318.	3.1	63
92	Estradiol, insulin-like growth factor-I and brain aging. <i>Psychoneuroendocrinology</i> , 2007, 32, S57-S61.	2.8	63
93	Gonadal hormones and the control of reactive gliosis. <i>Hormones and Behavior</i> , 2013, 63, 216-221.	2.1	63
94	Tibolone protects astrocytic cells from glucose deprivation through a mechanism involving estrogen receptor beta and the upregulation of neuroglobin expression. <i>Molecular and Cellular Endocrinology</i> , 2016, 433, 35-46.	3.3	62
95	Role of estrogen receptor $\hat{1}\pm$ in membrane-initiated signaling in neural cells: Interaction with IGF-1 receptor. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 114, 2-7.	2.6	61
96	Sex-specific therapeutic strategies based on neuroactive steroids: In search for innovative tools for neuroprotection. <i>Hormones and Behavior</i> , 2010, 57, 2-11.	2.1	60
97	Selective estrogen receptor modulators regulate reactive microglia after penetrating brain injury. <i>Frontiers in Aging Neuroscience</i> , 2014, 6, 132.	3.5	60
98	Changes in Cannabinoid Receptors, Aquaporin 4 and Vimentin Expression after Traumatic Brain Injury in Adolescent Male Mice. Association with Edema and Neurological Deficit. <i>PLoS ONE</i> , 2015, 10, e0128782.	2.5	59
99	Insertion of Escherichia coli alpha-haemolysin in lipid bilayers as a non-transmembrane integral protein: prediction and experiment. <i>Molecular Microbiology</i> , 1999, 31, 1013-1024.	2.5	58
100	Estrogen receptors and insulin-like growth factor-I receptors mediate estrogen-dependent synaptic plasticity. <i>NeuroReport</i> , 2000, 11, 1735-1738.	1.2	58
101	Endocrine-dependent accumulation of IGF-I by hypothalamic glia. <i>NeuroReport</i> , 1996, 8, 373-377.	1.2	57
102	Growth hormone prevents neuronal loss in the aged rat hippocampus. <i>Neurobiology of Aging</i> , 2005, 26, 697-703.	3.2	57
103	Antisense Oligodeoxynucleotides for Estrogen Receptor- $\hat{1}^2$ and $\hat{1}\pm$ Attenuate Estradiol's Modulation of Affective and Sexual Behavior, Respectively. <i>Neuropsychopharmacology</i> , 2008, 33, 431-440.	5.6	57
104	Tibolone protects T98G cells from glucose deprivation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 144, 294-303.	2.6	57
105	Protection by Neuroglobin Expression in Brain Pathologies. <i>Frontiers in Neurology</i> , 2016, 7, 146.	2.5	57
106	Translocator protein (18 kDa) is involved in the regulation of reactive gliosis. <i>Glia</i> , 2007, 55, 1426-1436.	5.3	56
107	Aromatase, the enzyme responsible for estrogen biosynthesis, is expressed by human and rat glioblastomas. <i>Neuroscience Letters</i> , 2004, 368, 279-284.	2.1	55
108	Insulin-like growth factor-I gene delivery to astrocytes reduces their inflammatory response to lipopolysaccharide. <i>Journal of Neuroinflammation</i> , 2011, 8, 21.	7.4	55

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109	Acute experimental autoimmune encephalomyelitis induces sex dimorphic changes in neuroactive steroid levels. <i>Neurochemistry International</i> , 2010, 56, 118-127.	3.9	54
110	Tibolone Reduces Oxidative Damage and Inflammation in Microglia Stimulated with Palmitic Acid through Mechanisms Involving Estrogen Receptor Beta. <i>Molecular Neurobiology</i> , 2018, 55, 5462-5477.	4.1	54
111	Aromatase expression in the normal and epileptic human hippocampus. <i>Brain Research</i> , 2010, 1315, 41-52.	2.3	53
112	Ucp2 Induced by Natural Birth Regulates Neuronal Differentiation of the Hippocampus and Related Adult Behavior. <i>PLoS ONE</i> , 2012, 7, e42911.	2.5	53
113	Aging and sex: Impact on microglia phagocytosis. <i>Aging Cell</i> , 2020, 19, e13182.	6.8	53
114	Transfer of Function to a Specific Area of the Cortex After Induced Recovery from Brain Damage. <i>European Journal of Neuroscience</i> , 1992, 4, 853-863.	3.5	52
115	Neuroactive steroids prevent peripheral myelin alterations induced by diabetes. <i>Neuroscience Letters</i> , 2006, 402, 150-153.	2.1	52
116	Sexâ€dimorphic changes in neuroactive steroid levels after chronic experimental autoimmune encephalomyelitis. <i>Journal of Neurochemistry</i> , 2010, 114, 921-932.	4.0	52
117	Lack of Sterol Regulatory Element Binding Factor-1c Imposes Glial Fatty Acid Utilization Leading to Peripheral Neuropathy. <i>Cell Metabolism</i> , 2015, 21, 571-583.	15.8	52
118	Endogenous Estrogen Formation Is Neuroprotective in Model of Cerebellar Ataxia. <i>Endocrine</i> , 2003, 21, 43-52.	2.2	51
119	Expression of the Î²1 and Î²2(AMOG) subunits of the Na,K-ATPase in neural tissues: Cellular and developmental distribution patterns. <i>Brain Research Bulletin</i> , 1996, 40, 167-174.	3.1	50
120	Neuroprotective effects of soy phytoestrogens in the rat brain. <i>Gynecological Endocrinology</i> , 2006, 22, 63-69.	1.6	49
121	Framework for sex differences in adolescent neurobiology: A focus on cannabinoids. <i>Neuroscience and Biobehavioral Reviews</i> , 2011, 35, 1740-1751.	6.6	49
122	A new mathematical function to evaluate neuronal morphology using the Sholl analysis. <i>Journal of Neuroscience Methods</i> , 2014, 226, 103-109.	2.6	49
123	Treatment of male rats with finasteride, an inhibitor of 5alpha-reductase enzyme, induces long-lasting effects on depressive-like behavior, hippocampal neurogenesis, neuroinflammation and gut microbiota composition. <i>Psychoneuroendocrinology</i> , 2019, 99, 206-215.	2.8	49
124	Estradiol and soy extract increase the production of new cells in the dentate gyrus of old rats. <i>Experimental Gerontology</i> , 2005, 40, 450-453.	2.9	47
125	Neuroactive steroids and the peripheral nervous system: An update. <i>Steroids</i> , 2015, 103, 23-30.	1.9	47
126	Signaling mechanisms mediating the regulation of synaptic plasticity and memory by estradiol. <i>Hormones and Behavior</i> , 2015, 74, 19-27.	2.1	47

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127	Estradiol promotion of changes in the morphology of astroglia growing in culture depends on the expression of polysialic acid of neural membranes. <i>Glia</i> , 1995, 13, 209-216.	5.3	46
128	Notch signaling in astrocytes mediates their morphological response to an inflammatory challenge. <i>Cell Death Discovery</i> , 2019, 5, 85.	4.8	46
129	Molecular mechanisms involved in the regulation of neuritogenesis by estradiol: Recent advances. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2012, 131, 52-56.	2.6	45
130	Role of glial cells in the generation of sex differences in neurodegenerative diseases and brain aging. <i>Mechanisms of Ageing and Development</i> , 2021, 196, 111473.	4.6	45
131	Neuroactive steroid treatment modulates myelin lipid profile in diabetic peripheral neuropathy. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 115-121.	2.6	44
132	Correlation of brain levels of progesterone and dehydroepiandrosterone with neurological recovery after traumatic brain injury in female mice. <i>Psychoneuroendocrinology</i> , 2015, 56, 1-11.	2.8	44
133	Sex differences in steroid levels and steroidogenesis in the nervous system: Physiopathological role. <i>Frontiers in Neuroendocrinology</i> , 2020, 56, 100804.	5.2	44
134	Selective transcriptional regulation of aromatase gene by vitamin D, dexamethasone, and mifepristone in human glioma cells. <i>Endocrine</i> , 2009, 35, 252-261.	2.3	43
135	Role of Neuroactive Steroids in the Peripheral Nervous System. <i>Frontiers in Endocrinology</i> , 2011, 2, 104.	3.5	43
136	LXR and TSPO as new therapeutic targets to increase the levels of neuroactive steroids in the central nervous system of diabetic animals. <i>Neurochemistry International</i> , 2012, 60, 616-621.	3.9	43
137	Sex chromosome complement determines sex differences in aromatase expression and regulation in the stria terminalis and anterior amygdala of the developing mouse brain. <i>Molecular and Cellular Endocrinology</i> , 2015, 414, 99-110.	3.3	41
138	Extragonadal synthesis of estradiol is protective against kainic acid excitotoxic damage to the hippocampus. <i>NeuroReport</i> , 2005, 16, 1599-1603.	1.2	40
139	Sex-dimorphic effects of progesterone and its reduced metabolites on gene expression of myelin proteins by rat Schwann cells. <i>Journal of the Peripheral Nervous System</i> , 2006, 11, 111-118.	2.5	40
140	Estradiol Decreases Cortical Reactive Astroglia after Brain Injury by a Mechanism Involving Cannabinoid Receptors. <i>Cerebral Cortex</i> , 2011, 21, 2046-2055.	3.2	40
141	Cellular phenotype of androgen receptor-immunoreactive nuclei in the developing and adult rat brain. <i>Journal of Comparative Neurology</i> , 2005, 492, 456-468.	2.0	39
142	Administration of an inhibitor of estrogen biosynthesis facilitates working memory acquisition in male rats. <i>Neuroscience Research</i> , 2007, 58, 272-277.	2.1	39
143	Tibolone attenuates inflammatory response by palmitic acid and preserves mitochondrial membrane potential in astrocytic cells through estrogen receptor beta. <i>Molecular and Cellular Endocrinology</i> , 2019, 486, 65-78.	3.3	39
144	Behavioral effects of estradiol therapy in ovariectomized rats depend on the age when the treatment is initiated. <i>Experimental Gerontology</i> , 2012, 47, 93-99.	2.9	38

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145	Sex Differences and Effects of Estrogenic Compounds on the Expression of Inflammatory Molecules by Astrocytes Exposed to the Insecticide Dimethoate. <i>Neurotoxicity Research</i> , 2014, 25, 271-285.	2.7	38
146	Freeze-fracture of developing neuronal plasma membrane in postnatal cerebellum. <i>Brain Research</i> , 1981, 208, 19-33.	2.3	37
147	Estradiol therapy in adulthood reverses glial and neuronal alterations caused by perinatal asphyxia. <i>Experimental Neurology</i> , 2010, 223, 615-622.	4.1	36
148	Effects of progesterone and its reduced metabolites, dihydroprogesterone and tetrahydroprogesterone, on the expression and phosphorylation of glycogen synthase kinase-3 and the microtubule-associated protein Tau in the rat cerebellum. <i>Developmental Neurobiology</i> , 2007, 67, 510-520.	3.1	35
149	Selective Estrogen Receptor Modulators Regulate Dendritic Spine Plasticity in the Hippocampus of Male Rats. <i>Neural Plasticity</i> , 2012, 2012, 1-6.	2.3	35
150	Postsynaptic membrane domains in the molecular layer of the cerebellum: a correlation between presynaptic inputs and postsynaptic plasma membrane organization. <i>Brain Research</i> , 1984, 321, 255-266.	2.3	34
151	Ro5-4864, a synthetic ligand of peripheral benzodiazepine receptor, reduces aging-associated myelin degeneration in the sciatic nerve of male rats. <i>Mechanisms of Ageing and Development</i> , 2005, 126, 1159-1163.	4.6	34
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