Neil James Maclusky

List of Publications by Year
in descending order

182 papers	16,152 citations	11651 70 h-index	16650 123 g-index
182 all docs	182 docs citations	182 times ranked	9375 citing authors

#	Article	IF	Citations
1	Sexual Differentiation of the Central Nervous System. Science, 1981, 211, 1294-1302.	12.6	1,368
2	Glucose intolerance but normal satiety in mice with a null mutation in the glucagonâ€“like peptide 1 receptor gene. Nature Medicine, 1996, 2, 1254-1258.	30.7	710
3	ER-X: A Novel, Plasma Membrane-Associated, Putative Estrogen Receptor That Is Regulated during Development and after Ischemic Brain Injury. Journal of Neuroscience, 2002, 22, 8391-8401.	3.6	508
4	Oestrogen modulates progestin receptor concentrations in some rat brain regions but not in others. Nature, 1978, 274, 276-278.	27.8	399
5	Gonadal Hormones Affect Spine Synaptic Density in the CA1 Hippocampal Subfield of Male Rats. Journal of Neuroscience, 2003, 23, 1588-1592.	3.6	370
6	Progestin Receptors in Rat Brain: Distribution and Properties of Cytoplasmic Progestin-Binding Sites*. Endocrinology, 1980, 106, 192-202.	2.8	349
7	Rapid Enhancement of Visual and Place Memory by Estrogens in Rats. Endocrinology, 2003, 144, 2836-2844.	2.8	328
8	Estrogen and brain-derived neurotrophic factor (BDNF) in hippocampus: Complexity of steroid hormone-growth factor interactions in the adult CNS. Frontiers in Neuroendocrinology, 2006, 27, 415-435.	5.2	256
9	Glutamic Acid Decarboxylase-Containing Axons Synapse on LHRH Neurons in the Rat Medial Preoptic Area. Neuroendocrinology, 1985, 40, 536-539.	2.5	252
10	HLA-G expression during preimplantation human embryo development.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 161-165.	7.1	245
11	Hippocampal Excitability Increases during the Estrous Cycle in the Rat: A Potential Role for Brain-Derived Neurotrophic Factor. Journal of Neuroscience, 2003, 23, 11641-11652.	3.6	234
12	The Temporal Relationship between Estrogen-Inducible Progestin Receptors in the Female Rat Brain and the Time Course of Estrogen Activation of Mating Behavior*. Endocrinology, 1980, 107, 774-779.	2.8	224
13	Shortâ€term treatment with the antidepressant fluoxetine triggers pyramidal dendritic spine synapse formation in rat hippocampus. European Journal of Neuroscience, 2005, 21, 1299-1303.	2.6	220
14	The 17Î± and 17Î² Isomers of Estradiol Both Induce Rapid Spine Synapse Formation in the CA1 Hippocampal Subfield of Ovariectomized Female Rats. Endocrinology, 2005, 146, 287-293.	2.8	213
15	The development of estrogen receptor systems in the rat brain: Perinatal development. Brain Research, 1979, 178, 129-142.	2.2	209
16	Immunohistochemical evidence for synaptic connections between pro-opiomelanocortin-immunoreactive axons and LH-RH neurons in the preoptic area of the rat. Brain Research, 1988, 449, 167-176.	2.2	209
17	The Influence of Gonadal Hormones on Neuronal Excitability, Seizures, and Epilepsy in the Female. Epilepsia, 2006, 47, 1423-1440.	5.1	209
18	Bisphenol A prevents the synaptogenic response to estradiol in hippocampus and prefrontal cortex of ovariectomized nonhuman primates. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 14187-14191.	7.1	209

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19	Androgen modulation of hippocampal synaptic plasticity. Neuroscience, 2006, 138, 957-965.	2.3	205
20	The development of estrogen receptor systems in the rat brain and pituitary: Postnatal development. Brain Research, 1979, 178, 143-160.	2.2	202
21	Immunocytochemical evidence for direct synaptic connections between corticotrophin-releasing factor (CRF) and gonadotrophin-releasing hormone (GnRH)- containing neurons in the preoptic area of the rat. Brain Research, 1988, 439, 391-395.	2.2	199
22	Sexually Dimorphic Effects of Prenatal Stress on Cognition, Hormonal Responses, and Central Neurotransmitters. Endocrinology, 2004, 145, 3778-3787.	2.8	188
23	Androgens Increase Spine Synapse Density in the CA1 Hippocampal Subfield of Ovariectomized Female Rats. Journal of Neuroscience, 2004, 24, 495-499.	3.6	187
24	The Environmental Estrogen Bisphenol A Inhibits Estradiol-Induced Hippocampal Synaptogenesis. Environmental Health Perspectives, 2005, 113, 675-679.	6.0	179
25	Steroid Receptor Levels in Intact and Ovariectomized Estrogen-Treated Rats: An Examination of Quantitative, Temporal and Endocrine Factors Influencing the Efficacy of an Estradiol Stimulus. Neuroendocrinology, 1981, 33, 158-165.	2.5	172
26	Similarities between actions of estrogen and BDNF in the hippocampus: coincidence or clue?. Trends in Neurosciences, 2005, 28, 79-85.	8.6	163
27	Estrogen formation in the mammalian brain: Possible role of aromatase in sexual differentiation of the hippocampus and neocortex. Steroids, 1987, 50, 459-474.	1.8	161
28	The LH-RH-containing neuronal network in the preoptic area of the rat: demonstration of LH-RH-containing nerve terminals in synaptic contact with LH-RH neurons. Brain Research, 1985, 345, 332-336.	2.2	159
29	Chronic Stress and Neural Function: Accounting for Sex and Age. Journal of Neuroendocrinology, 2007, 19, 743-751.	2.6	154
30	Catecholaminergic Innervation of Luteinizing Hormone-Releasing Hormone and Glutamic Acid Decarboxylase Immunopositive Neurons in the Rat Medial Preoptic Area. Neuroendocrinology, 1988, 48, 591-602.	2.5	151
31	Androgen Binding and Metabolism in the Cerebral Cortex of the Developing Rhesus Monkey*. Endocrinology, 1988, 123, 932-940.	2.8	150
32	Immunohistochemical Localization of Aromatase Cytochrome P-450 and Estradiol Dehydrogenase in the Syncytiotrophoblast of the Human Placenta*. Journal of Clinical Endocrinology and Metabolism, 1987, 65, 757-764.	3.6	145
33	Rapid Effects of Estrogen Receptor Î± and Î² Selective Agonists on Learning and Dendritic Spines in Female Mice. Endocrinology, 2011, 152, 1492-1502.	2.8	141
34	Aromatase in the Cerebral Cortex, Hippocampus, and Mid-Brain: Ontogeny and Developmental Implications. Molecular and Cellular Neurosciences, 1994, 5, 691-698.	2.2	137
35	The catechol estrogens. The Journal of Steroid Biochemistry, 1981, 15, 111-124.	1.1	134
36	Cellular variations in estrogen receptor mRNA translation in the developing brain: evidence from combined [125I]estrogen autoradiography and non-isotopic in situ hybridization histochemistry. Brain Research, 1992, 576, 25-41.	2.2	134

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37	Steroid hormones affect limbic afterdischarge thresholds and kindling rates in adult female rats. Brain Research, 1999, 838, 136-150.	2.2	134
38	Estrogen formation in the developing rat brain: sex differences in aromatase activity during early post-natal life. Psychoneuroendocrinology, 1985, 10, 355-361.	2.7	131
39	Low Doses of 17Î²-Estradiol Rapidly Improve Learning and Increase Hippocampal Dendritic Spines. Neuropsychopharmacology, 2012, 37, 2299-2309.	5.4	128
40	Estrogen induction of a small, putative K+ channel mRNA in rat uterus. Neuron, 1990, 4, 807-812.	8.1	118
41	Comparative properties of the catechol estrogens, I: Methylation by catechol-O-methyltransferase and binding to cytosol estrogen receptors. Steroids, 1980, 36, 1-11.	1.8	115
42	Asynchrony between human cumulus-corona cell complex and oocyte maturation after human menopausal gonadotropin treatment for in vitro fertilization. Fertility and Sterility, 1984, 42, 366-372.	1.0	114
43	Sex differences in the neurobiology of epilepsy: A preclinical perspective. Neurobiology of Disease, 2014, 72, 180-192.	4.4	114
44	Hormonal regulation of K+-channel messenger RNA in rat myometrium during oestrus cycle and in pregnancy. Nature, 1987, 330, 373-375.	27.8	111
45	Developmental Changes in Estrogen Receptors in Mouse Cerebral Cortex between Birth and Postweaning: Studied by Autoradiography with IlÎ²-Methoxy-16Î±- [¹²⁵I]Iodoestradiol*. Endocrinology, 1990, 126, 1112-1124.	2.8	108
46	Comparison of Age- and Sex-Related Changes in Cell Nuclear Estrogen-Binding Capacity and Progestin Receptor Induction in the Rat Brain*. Endocrinology, 1990, 126, 2965-2972.	2.8	103
47	Immunocytochemical detection of androgen receptor in human temporal cortex: Characterization and application of polyclonal androgen receptor antibodies in frozen and paraffin-embedded tissues. Journal of Steroid Biochemistry and Molecular Biology, 1995, 55, 197-209.	2.5	101
48	A receptor mediating sexual differentiation?. Nature, 1974, 252, 259-260.	27.8	100
49	Partial Demasculinization and Feminization of Sex Behavior in Male Rats by in Utero and Lactational Exposure to 2,3,7,8-Tetrachlorodibenzo-p-dioxin Is Not Associated with Alterations in Estrogen Receptor Binding or Volumes of Sexually Differentiated Brain. Toxicology and Applied Pharmacology, 1994, 127, 258-267.	2.8	99
50	Synaptic remodeling induced by gonadal hormones: Neuronal plasticity as a mediator of neuroendocrine and behavioral responses to steroids. Neuroscience, 2006, 138, 977-985.	2.3	97
51	Sex Differences in the Development of Estrogen Receptors in the Rat Brain. Hormones and Behavior, 1994, 28, 483-491.	2.1	96
52	Differential regulation of BDNF, synaptic plasticity and sprouting in the hippocampal mossy fiber pathway of male and female rats. Neuropharmacology, 2014, 76, 696-708.	4.1	96
53	Role of androgens and the androgen receptor in remodeling of spine synapses in limbic brain areas. Hormones and Behavior, 2008, 53, 638-646.	2.1	94
54	Regional Sex Differences in Cell Nuclear Estrogen-Binding Capacity in the Rat Hypothalamus and Preoptic Area*. Endocrinology, 1988, 123, 1761-1770.	2.8	92

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55	Rapid increases in immature synapses parallel estrogen-induced hippocampal learning enhancements. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 16018-16023.	7.1	92
56	Progestin receptors in the developing rat brain and pituitary. Brain Research, 1980, 189, 262-268.	2.2	88
57	Regulation of Estrogen Receptor Concentrations in the Rat Brain: Effects of Sustained Androgen and Estrogen Exposure. Neuroendocrinology, 1996, 63, 53-60.	2.5	87
58	Brain-derived neurotrophic factorâ€“estrogen interactions in the hippocampal mossy fiber pathway: Implications for normal brain function and disease. Neuroscience, 2013, 239, 46-66.	2.3	86
59	An androgen receptor in rat brain and pituitary. Brain Research, 1975, 100, 383-393.	2.2	79
60	Aged rats: Sex differences and responses to chronic stress. Brain Research, 2006, 1126, 156-166.	2.2	78
61	Androgen Modulation of Hippocampal Structure and Function. Neuroscientist, 2016, 22, 46-60.	3.5	78
62	Changes in hippocampal function of ovariectomized rats after sequential low doses of estradiol to simulate the preovulatory estrogen surge. European Journal of Neuroscience, 2007, 26, 2595-2612.	2.6	77
63	5Î±-Dihydrotestosterone (DHT) Receptors in Rat Brain and Pituitary Cell Nuclei. Endocrinology, 1977, 100, 598-607.	2.8	76
64	Behavioral training interferes with the ability of gonadal hormones to increase CA1 spine synapse density in ovariectomized female rats. European Journal of Neuroscience, 2004, 19, 3026-3032.	2.6	76
65	Effects of Androgens and Estradiol on Spine Synapse Formation in the Prefrontal Cortex of Normal and Testicular Feminization Mutant Male Rats. Endocrinology, 2007, 148, 1963-1967.	2.8	76
66	Transmitter Content and Afferent Connections of Estrogen-Sensitive Progestin Receptor-Containing Neurons in the Primate Hypothalamus. Neuroendocrinology, 1992, 55, 667-682.	2.5	75
67	The cellular effects of estrogens on neuroendocrine tissues. The Journal of Steroid Biochemistry, 1988, 30, 195-207.	1.1	74
68	Effects of Dehydroepiandrosterone and Flutamide on Hippocampal CA1 Spine Synapse Density in Male and Female Rats: Implications for the Role of Androgens in Maintenance of Hippocampal Structure. Endocrinology, 2004, 145, 4154-4161.	2.8	74
69	Estrogen and progestin receptor levels as prognosticators for survival in endometrial cancer. Gynecologic Oncology, 1988, 31, 65-77.	1.4	73
70	Testosterone and its metabolites affect afterdischarge thresholds and the development of amygdala kindled seizures. Brain Research, 1999, 838, 151-157.	2.2	73
71	Spikeâ€“wave discharges in adult Sprague–Dawley rats and their implications for animal models of temporal lobe epilepsy. Epilepsy and Behavior, 2014, 32, 121-131.	1.7	73
72	Limbic Seizures Alter Reproductive Function in the Female Rat. Epilepsia, 1999, 40, 1370-1377.	5.1	72

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73	Effects of multiparity on recognition memory, monoaminergic neurotransmitters, and brain-derived neurotrophic factor (BDNF). Hormones and Behavior, 2008, 54, 7-17.	2.1	72
74	Tamoxifen in combination with cytotoxic chemotherapy in advanced epithelial ovarian cancer. A prospective randomized trial. Cancer, 1989, 63, 1074-1078.	4.1	70
75	Testosterone Depletion in Adult Male Rats Increases Mossy Fiber Transmission, LTP, and Sprouting in Area CA3 of Hippocampus. Journal of Neuroscience, 2013, 33, 2338-2355.	3.6	70
76	Progestin Receptors in the Brain and Pituitary of the Bonnet Monkey (Macaca radiata): Differences between the Monkey and the Rat in the Distribution of Progestin Receptors*. Endocrinology, 1980, 106, 185-191.	2.8	69
77	Enhancement of human sperm motility and velocity in vitro: effects of calcium and creatine phosphate. Fertility and Sterility, 1986, 46, 938-944.	1.0	67
78	The naturally occurring C-17 fatty acid esters of estradiol are long-acting estrogens. The Journal of Steroid Biochemistry, 1985, 22, 407-413.	1.1	65
79	Seizure susceptibility in intact and ovariectomized female rats treated with the convulsant pilocarpine. Experimental Neurology, 2005, 196, 73-86.	4.1	65
80	Dehydroepiandrosterone Increases Hippocampal Spine Synapse Density in Ovariectomized Female Rats. Endocrinology, 2004, 145, 1042-1045.	2.8	64
81	Bisphenol A Prevents the Synaptogenic Response to Testosterone in the Brain of Adult Male Rats. Endocrinology, 2008, 149, 988-994.	2.8	63
82	Dilute Estradiol Implants and Progestin Receptor Induction in the Ventromedial Nucleus of the Hypothalamus: Correlation with Receptive Behavior in Female Rats*. Endocrinology, 1989, 124, 1807-1812.	2.8	62
83	Characterization of the first cell cycle in human zygotes: implications for cryopreservation**Supported by grant 10428 from the Medical Research Council of Canada, Ottawa, and the Royal Bank of Canada, Toronto, Ontario, Canada.. Fertility and Sterility, 1993, 59, 359-365.	1.0	60
84	A randomized double-blind trial of the effects of hormone therapy on delayed verbal recall in older women. Psychoneuroendocrinology, 2009, 34, 1065-1074.	2.7	60
85	Effects of Estradiol on Learned Helplessness and Associated Remodeling of Hippocampal Spine Synapses in Female Rats. Biological Psychiatry, 2010, 67, 168-174.	1.3	60
86	Androgen receptors in the perinatal rat brain. Brain Research, 1980, 196, 125-138.	2.2	59
87	Gap junctions and myometrial steroid hormone receptors in pregnant and postpartum rats: A possible cellular basis for the progesterone withdrawal hypothesis. American Journal of Obstetrics and Gynecology, 1985, 151, 805-812.	1.3	59
88	Estrogenâ€“Growth Factor Interactions and Their Contributions to Neurological Disorders. Headache, 2008, 48, S77-89.	3.9	59
89	Cytoplasmic and nuclear estradiol-17Î² binding in male and female rat brain: Regional distribution, temporal aspects and metabolism. Brain Research, 1980, 193, 487-503.	2.2	57
90	The effects of long-term estrogen exposure on the induction of sexual behavior and measurements of brain estrogen and progestin receptors in the female rat. Hormones and Behavior, 1979, 13, 301-313.	2.1	56

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91	Aromatase inhibitors as addâ€“on treatment for men with epilepsy. Expert Review of Neurotherapeutics, 2005, 5, 123-127.	2.8	56
92	Androgen Effects on Hippocampal CA1 Spine Synapse Numbers Are Retained in Tfm Male Rats with Defective Androgen Receptors. Endocrinology, 2006, 147, 2392-2398.	2.8	56
93	BPA exposure during in vitro oocyte maturation results in dose-dependent alterations to embryo development rates, apoptosis rate, sex ratio and gene expression. Reproductive Toxicology, 2016, 59, 128-138.	2.9	54
94	Progestin receptor-containing cells in guinea pig hypothalamus: Afferent connections, morphological characteristics, and neurotransmitter content. Molecular and Cellular Neurosciences, 1990, 1, 58-77.	2.2	52
95	Sexual differentiation of estrogen receptor concentrations in the rat brain: effects of neonatal testosterone exposure. Brain Research, 1995, 691, 229-234.	2.2	52
96	Properties and subcellular inter-relationships of presumptive estrogen receptor macromolecules in the brains of neonatal and prepubertal female rats. Brain Research, 1976, 114, 158-165.	2.2	51
97	Reduced Hippocampal Brain-Derived Neurotrophic Factor (BDNF) in Neonatal Rats after Prenatal Exposure to Propylthiouracil (PTU). Endocrinology, 2012, 153, 1311-1316.	2.8	50
98	Inhibition of central nervous system aromatase activity: A mechanism for fenarimol-induced infertility in the male rat. Toxicology and Applied Pharmacology, 1987, 91, 235-245.	2.8	49
99	Seizures and reproductive function: Insights from female rats with epilepsy. Annals of Neurology, 2008, 64, 687-697.	5.3	49
100	Sex and the developing brain: suppression of neuronal estrogen sensitivity by developmental androgen exposure. Neurochemical Research, 1997, 22, 1395-1414.	3.3	48
101	Kinetics of catechol estrogen-estrogen receptor dissociation: A possible factor underlying differences in catechol estrogen biological activity. Steroids, 1983, 41, 643-656.	1.8	47
102	Effects of estrogen deprivation on brain estrogen and progestin receptor levels and the activation of female sexual behavior. Hormones and Behavior, 1981, 15, 289-298.	2.1	45
103	Dissociable cognitive impairments in two strains of transgenic Alzheimerâ€™s disease mice revealed by a battery of object-based tests. Scientific Reports, 2019, 9, 57.	3.3	45
104	Corticosteroid binding in rat brain and pituitary cytosols: resolution of multiple binding components by polyacrylamide gel based isoelectric focusing. Brain Research, 1977, 130, 564-571.	2.2	44
105	Aromatase inhibition, testosterone, and seizures. Epilepsy and Behavior, 2004, 5, 260-263.	1.7	44
106	Sex differences in hippocampal area CA3 pyramidal cells. Journal of Neuroscience Research, 2017, 95, 563-575.	2.9	43
107	Partial and Generalized Seizures Affect Reproductive Physiology Differentially in the Male Rat. Epilepsia, 1999, 40, 1490-1498.	5.1	42
108	17Î²-Estradiol Increases Astrocytic Vascular Endothelial Growth Factor (VEGF) in Adult Female Rat Hippocampus. Endocrinology, 2011, 152, 1745-1751.	2.8	42

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109	2-Hydroxyestradiol-17Î± and 4-hydroxyestradiol-17Î±, catechol estrogfn analogs with reduced estrogen receptor affinity. Steroids, 1980, 36, 13-20.	1.8	40
110	Do estrogen receptors play a role in the sexual differentiation of the rat brain?. The Journal of Steroid Biochemistry, 1977, 8, 593-598.	1.1	37
111	Characterization of 11Î²-Methoxy-16Î±-[125I]Iodoestradiol Binding: Neuronal Localization of Estrogen-Binding Sites in the Developing Rat Brain*. Endocrinology, 1989, 124, 2074-2088.	2.8	37
112	Androgen action in fetal mouse spinal cord cultures: metabolic and morphologic aspects. Brain Research, 1987, 406, 62-72.	2.2	36
113	Progesterone Modulation of Estrogen Receptors in Microdissected Regions of the Rat Hypothalamus. Molecular and Cellular Neurosciences, 1994, 5, 283-290.	2.2	36
114	Neuroendocrine Function and Response to Stress in Mice with Complete Disruption of Glucagon-Like Peptide-1 Receptor Signaling. Endocrinology, 2000, 141, 752-762.	2.8	36
115	Dexamethasone prevents apoptosis in a neonatal rat model of hypoxic-ischemic encephalopathy (HIE) by a reactive oxygen species-independent mechanism. Brain Research, 1997, 747, 9-17.	2.2	35
116	Androgen Treatment Decreases Estrogen Receptor Binding in the Ventromedial Nucleus of the Rat Brain: A Quantitative in Vitro Autoradiographic Analysis. Molecular and Cellular Neurosciences, 1994, 5, 549-555.	2.2	34
117	A Rat Model of Epilepsy in Women: A Tool to Study Physiological Interactions between Endocrine Systems and Seizures. Endocrinology, 2009, 150, 4437-4442.	2.8	34
118	In vitro labeling of gonadal steroid hormone receptors in brain tissue sections. Steroids, 1995, 60, 726-737.	1.8	33
119	The relationship of circulating estradiol to tardive dyskinesia in men and postmenopausal women. Psychoneuroendocrinology, 1983, 8, 429-434.	2.7	31
120	Acute and Chronic Effects of Hormone Replacement Therapy on the Cardiovascular System in Healthy Postmenopausal Women. Journal of Clinical Endocrinology and Metabolism, 2004, 89, 1618-1629.	3.6	30
121	Sex differences in estrogen receptor binding in the rat hypothalamus: effects of subsaturating pulses of estradiol. Brain Research, 1992, 578, 129-134.	2.2	29
122	Hormonal Interactions in the Effects of Halogenated Aromatic Hydrocarbons On the Developing Brain. Toxicology and Industrial Health, 1998, 14, 185-208.	1.4	29
123	Interictal spike frequency varies with ovarian cycle stage in a rat model of epilepsy. Experimental Neurology, 2015, 269, 102-119.	4.1	29
124	Sex differences in corticosteroid binding in the rat brain: an in vitro autoradiographic study. Brain Research, 1996, 708, 71-81.	2.2	28
125	Lifelong Estrogen Exposure and Memory in Older Postmenopausal Women. Journal of Alzheimer's Disease, 2013, 34, 601-608.	2.6	28
126	Neurosteroid Metabolites of Gonadal Steroid Hormones in Neuroprotection: Implications for Sex Differences in Neurodegenerative Disease. Frontiers in Molecular Neuroscience, 2018, 11, 359.	2.9	28

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127	Attenuating the defeminization of the neonatal rat brain: Mechanisms of action of cyproterone acetate, 1,4,6-androstatriene-3,17,-dione and a synthetic progestin, R5020. Hormones and Behavior, 1979, 13, 269-281.	2.1	27
128	Neural aromatase activity in a marsupial, the gray short-tailed opossum (Monodelphis domestica): ontogeny during postnatal development and androgen regulation in adulthood. Developmental Brain Research, 1993, 74, 199-205.	1.7	27
129	Glucocorticoid receptors in the spinal cord. Brain Research, 1981, 217, 412-415.	2.2	26
130	Expansion of mossy fibers and CA3 apical dendritic length accompanies the fall in dendritic spine density after gonadectomy in male, but not female, rats. Brain Structure and Function, 2017, 222, 587-601.	2.3	26
131	Neurologic links between epilepsy and depression in women. Neurology, 2006, 66, S13-22.	1.1	26
132	Ontogenesis of prostaglandin E2 binding sites in the brainstem of the sheep. Brain Research, 1994, 652, 28-39.	2.2	25
133	The effect of three hormone replacement regimens on bone density in the aged ovariectomized rat. Fertility and Sterility, 1995, 63, 643-651.	1.0	25
134	Sex differences in estrogen receptor and progestin receptor induction in the guinea pig hypothalamus and preoptic area. Brain Research, 1996, 725, 37-48.	2.2	25
135	Sex Steroid Receptors in the Perinatal Rat Brain. American Zoologist, 1978, 18, 539-544.	0.7	24
136	Antiâ€inflammatory and chondroprotective effects of nutraceuticals from Sasha's Blend in a cartilage explant model of inflammation. Molecular Nutrition and Food Research, 2007, 51, 1020-1030.	3.3	23
137	Stress induces equivalent remodeling of hippocampal spine synapses in a simulated postpartum environment and in a female rat model of major depression. Neuroscience, 2017, 343, 384-397.	2.3	23
138	Steroid-receptor proteins in nonepithelial malignancies of the ovary. Gynecologic Oncology, 1983, 15, 305-315.	1.4	22
139	Preservation of steroid receptors in frozen brain and pituitary tissue: use of the cryoprotective agent, dimethylsulfoxide. Journal of Neuroscience Methods, 1986, 16, 131-140.	2.5	21
140	Estrogen and Alzheimerâ€™s Disease: The Apolipoprotein Connection. Endocrinology, 2004, 145, 3062-3064.	2.8	21
141	Dissociable involvement of estrogen receptors in perirhinal cortex-mediated object-place memory in male rats. Psychoneuroendocrinology, 2019, 107, 98-108.	2.7	21
142	Gonadectomy unmasks an inhibitory effect of progesterone on amygdala kindling in male rats. Brain Research, 2001, 889, 260-263.	2.2	19
143	Tamoxifen-induced increase in cytosol progestin receptor levels in a case of metastatic endometrial cancer. Gynecologic Oncology, 1983, 16, 41-48.	1.4	18
144	Reproductive Failure due to Experimentally Induced Constant Estrus Does Not Alter the LH-RH Fiber Density in the Median Eminence of the Rat. Neuroendocrinology, 1986, 43, 526-532.	2.5	17

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145	Effects of hypothalamic serotonin depletion on lordosis behavior and gonadal hormone receptors. Brain Research, 1987, 426, 47-54.	2.2	17
146	Concentration of [16Î±-125I]iodoestradiol in human ovarian tumors in vivo and correlation with estrogen receptor content. Steroids, 1985, 46, 775-788.	1.8	16
147	Aromatase activity in human ovarian cancer. Steroids, 1987, 50, 423-433.	1.8	16
148	Progesterone modulation of gonadotropin secretion by dispersed rat pituitary cells in culture. II. Intracellular metabolism and progestin receptors. Molecular and Cellular Endocrinology, 1990, 68, 95-103.	3.2	16
149	The effect of cryopreservation on the development of S- and G2-phase mouse embryos. Journal of in Vitro Fertilization and Embryo Transfer: IVF, 1991, 8, 89-95.	0.8	16
150	7Î±-Methyl-17Î±-(E-2'-[125I]iodovinyl)-19-nortestosterone: a new radioligand for the detection of androgen receptor. Steroids, 1993, 58, 13-23.	1.8	16
151	Neurosteroid metabolites of testosterone and progesterone differentially inhibit ERK phosphorylation induced by amyloid Î² in SH-SY5Y cells and primary cortical neurons. Brain Research, 2018, 1686, 83-93.	2.2	16
152	The synthesis and testing of E-17Î± -(2-iodovinyl)-5Î± -dihydrotestosterone and Z-17Î± -(2-iodovinyl)-5Î± -dihydrotestosterone as Î³-emitting ligands for the androgen receptor. The Journal of Steroid Biochemistry, 1990, 36, 125-132.	1.1	15
153	Lumbar vertebral density and mechanial properties in aged ovariectomized rats treated with estrogen and norethindrone or norgestimate. American Journal of Obstetrics and Gynecology, 1995, 173, 1491-1498.	1.3	15
154	The testosterone metabolite 3Î±-androstanediol inhibits oxidative stress-induced ERK phosphorylation and neurotoxicity in SH-SY5Y cells through an MKP3/DUSP6-dependent mechanism. Neuroscience Letters, 2019, 696, 60-66.	2.1	14
155	Inhibition of 5Î± Reductase Impairs Cognitive Performance, Alters Dendritic Morphology and Increases Tau Phosphorylation in the Hippocampus of Male 3xTg-AD Mice. Neuroscience, 2020, 429, 185-202.	2.3	14
156	Pubertal Development of Estrogen Receptors in the Rat Brain. Molecular and Cellular Neurosciences, 1994, 5, 475-483.	2.2	13
157	Endocrine Insights into the Pathophysiology of Autism Spectrum Disorder. Neuroscientist, 2021, 27, 650-667.	3.5	13
158	5Î±-Androstane-3Î±,17Î²-Diol Inhibits Neurotoxicity in SH-SY5Y Human Neuroblastoma Cells and Mouse Primary Cortical Neurons. Endocrinology, 2016, 157, 4570-4578.	2.8	12
159	Low dietary soy isoflavonoids increase hippocampal spine synapse density in ovariectomized rats. Brain Research, 2017, 1657, 361-367.	2.2	12
160	Dexamethasone reverses the labor-associated myometrial desensitization to Î²adrenergic agonists in the rat. American Journal of Obstetrics and Gynecology, 1993, 168, 961-968.	1.3	10
161	Solitary pelvic neural tumors with high steroid receptor content. Gynecologic Oncology, 1985, 20, 43-52.	1.4	8
162	Dexamethasone partially protects the myometrium against Î²-adrenergic a onist-induced desensitization in vivo in the rat. American Journal of Obstetrics and Gynecology, 1994, 171, 1651-1659.	1.3	8

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