Michael Schumacher

List of Publications by Year in Descending Order

237 papers	14,387 citations	74 h-index	108 g-index
240 ext. papers	15,342 ext. citations	6.2 avg, IF	6.04 L-index

#	Paper	IF	Citations
237	A novel dual mode-of-action anti-hyperalgesic compound in rats which is neuroprotective and promotes neuroregeneration.. *European Journal of Pharmacology*, **2022**, 174935	5.3	0
236	Nestorone , a 19nor-progesterone derivative boosts remyelination in an animal model of demyelination. *CNS Neuroscience and Therapeutics*, **2021**, 27, 464-469	6.8	2
235	Sex steroids, neurosteroidogenesis, and inflammation in multiple sclerosis and related animal models. *Current Opinion in Endocrine and Metabolic Research*, **2021**, 21, 100286	1.7	
234	Progress in progestin-based therapies for neurological disorders. *Neuroscience and Biobehavioral Reviews*, **2021**, 122, 38-65	9	4
233	Squalenoyl siRNA PMP22 nanoparticles are effective in treating mouse models of Charcot-Marie-Tooth disease type 1 A. *Communications Biology*, **2021**, 4, 317	6.7	7
232	Developmental expression of genes involved in progesterone synthesis, metabolism and action during the post-natal cerebellar myelination. *Journal of Steroid Biochemistry and Molecular Biology*, **2021**, 207, 105820	5.1	1
231	Progesterone and Allopregnanolone Neuroprotective Effects in the Wobbler Mouse Model of Amyotrophic Lateral Sclerosis. *Cellular and Molecular Neurobiology*, **2021**, 1	4.6	4
230	Treating PMP22 gene duplication-related Charcot-Marie-Tooth disease: the past, the present and the future. *Translational Research*, **2021**, 227, 100-111	11	6
229	Central functional reorganization and recovery following facial-hypoglossal neurorrhaphy for facial paralysis. *NeuroImage: Clinical*, **2021**, 32, 102782	5.3	1
228	Neuroprotective Effects of Testosterone in Male Wobbler Mouse, a Model of Amyotrophic Lateral Sclerosis. *Molecular Neurobiology*, **2021**, 58, 2088-2106	6.2	0
227	Placental endocrine function shapes cerebellar development and social behavior. *Nature Neuroscience*, **2021**, 24, 1392-1401	25.5	6
226	Sex differences in the cerebroprotection by Nestorone intranasal delivery following stroke in mice. *Neuropharmacology*, **2021**, 198, 108760	5.5	0
225	Functional cooperation of the hedgehog and androgen signaling pathways during developmental and repairing myelination. *Glia*, **2021**, 69, 1369-1392	9	3
224	Testosterone and Myelin Regeneration in the Central Nervous System. *Androgens: Clinical Research and Therapeutics*, **2021**, 2, 231-251	0.7	1
223	Roles of Progesterone, Testosterone and Their Nuclear Receptors in Central Nervous System Myelination and Remyelination. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	19
222	Effects of the Remaining and/or Spontaneously Regenerated Facial Axons After Hypoglossal-Facial Nerve Neurorrhaphy for Facial Paralysis. *Frontiers in Neurology*, **2020**, 11, 413	4.1	
221	Dose-dependent and long-term cerebroprotective effects of intranasal delivery of progesterone after ischemic stroke in male mice. *Neuropharmacology*, **2020**, 170, 108038	5.5	3

220	Insights into the Therapeutic Potential of Glucocorticoid Receptor Modulators for Neurodegenerative Diseases. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	4
219	Pregnane steroidogenesis is altered by HIV-1 Tat and morphine: Physiological allopregnanolone is protective against neurotoxic and psychomotor effects. *Neurobiology of Stress*, **2020**, 12, 100211	7.6	13
218	Progesterone and fetal-neonatal neuroprotection. *Best Practice and Research in Clinical Obstetrics and Gynaecology*, **2020**, 69, 50-61	4.6	1
217	Sex Differences, Progesterone, and Ischemic Stroke. *ISGE Series*, **2019**, 209-231	0.2	
216	Intranasal administration of progesterone: A potential efficient route of delivery for cerebroprotection after acute brain injuries. *Neuropharmacology*, **2019**, 145, 283-291	5.5	16
215	Cerebroprotection by progesterone following ischemic stroke: Multiple effects and role of the neural progesterone receptors. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 185, 90-102	5.1	22
214	Steroid profiles in quail brain and serum: Sex and regional differences and effects of castration with steroid replacement. *Journal of Neuroendocrinology*, **2019**, 31, e12681	3.8	10
213	Steroids in Stroke with Special Reference to Progesterone. *Cellular and Molecular Neurobiology*, **2019**, 39, 551-568	4.6	21
212	Donor nerve axotomy and axonal regeneration after end-to-side neurorrhaphy in a rodent model. *Journal of Neurosurgery*, **2018**, 130, 197-206	3.2	5
211	Sex differences in brain mitochondrial metabolism: influence of endogenous steroids and stroke. *Journal of Neuroendocrinology*, **2018**, 30, e12497	3.8	31
210	Neurosteroidogenesis and progesterone anti-inflammatory/neuroprotective effects. *Journal of Neuroendocrinology*, **2018**, 30, e12502	3.8	32
209	Abnormal steroidogenesis and aromatase activity in preeclampsia. *Placenta*, **2018**, 69, 40-49	3.4	21
208	Hypoglossal-facial nerve "side-to-side" neurorrhaphy for facial paralysis resulting from closed temporal bone fractures. *Restorative Neurology and Neuroscience*, **2018**, 36, 443-457	2.8	1
207	Hypoglossal-facial Side-to-side Neurorrhaphy Combined with Electrical Myostimulation for Facial Palsy in Rats. *Translational Neuroscience*, **2018**, 9, 167-174	1.2	1
206	Behavioral evidence for sex steroids hypersensitivity in castrated male canaries. *Hormones and Behavior*, **2018**, 103, 80-96	3.7	9
205	Differential effects of the 18-kDa translocator protein (TSPO) ligand etifoxine on steroidogenesis in rat brain, plasma and steroidogenic glands: Pharmacodynamic studies. *Psychoneuroendocrinology*, **2017**, 83, 122-134	5	19
204	From Pregnancy to Preeclampsia: A Key Role for Estrogens. *Endocrine Reviews*, **2017**, 38, 123-144	27.2	83
203	Protective effects of the neurosteroid allopregnanolone in a mouse model of spontaneous motoneuron degeneration. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 174, 201-216	5.1	18

202	A Role of Endogenous Progesterone in Stroke Cerebroprotection Revealed by the Neural-Specific Deletion of Its Intracellular Receptors. *Journal of Neuroscience*, **2017**, 37, 10998-11020	6.6	37
201	Long-lasting masculinizing effects of postnatal androgens on myelin governed by the brain androgen receptor. *PLoS Genetics*, **2017**, 13, e1007049	6	22
200	Progesterone: Synthesis, Metabolism, Mechanism of Action, and Effects in the Nervous System **2017**, 215-244		3
199	Nestorone as a Novel Progestin for Nonoral Contraception: Structure-Activity Relationships and Brain Metabolism Studies. *Endocrinology*, **2017**, 158, 170-182	4.8	29
198	Progesterone treatment modulates mRNA OF neurosteroidogenic enzymes in a murine model of multiple sclerosis. *Journal of Steroid Biochemistry and Molecular Biology*, **2017**, 165, 421-429	5.1	10
197	Role of Sex Hormones on Brain Mitochondrial Function, with Special Reference to Aging and Neurodegenerative Diseases. *Frontiers in Aging Neuroscience*, **2017**, 9, 406	5.3	54
196	Steroid Profiling in Male Wobbler Mouse, a Model of Amyotrophic Lateral Sclerosis. *Endocrinology*, **2016**, 157, 4446-4460	4.8	18
195	Progesterone reduces brain mitochondrial dysfunction after transient focal ischemia in male and female mice. *Journal of Cerebral Blood Flow and Metabolism*, **2016**, 36, 562-8	7.3	27
194	Progesterone neuroprotection: The background of clinical trial failure. *Journal of Steroid Biochemistry and Molecular Biology*, **2016**, 160, 53-66	5.1	55
193	Unexpected central role of the androgen receptor in the spontaneous regeneration of myelin. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 14829-14834	11.5	62
192	Intranasal delivery of progesterone after transient ischemic stroke decreases mortality and provides neuroprotection. *Neuropharmacology*, **2015**, 97, 394-403	5.5	32
191	A functional progesterone receptor is required for immunomodulation, reduction of reactive gliosis and survival of oligodendrocyte precursors in the injured spinal cord. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 154, 274-84	5.1	30
190	Effect of Sex Differences on Brain Mitochondrial Function and Its Suppression by Ovariectomy and in Aged Mice. *Endocrinology*, **2015**, 156, 2893-904	4.8	75
189	Progesterone and nestorone promote myelin regeneration in chronic demyelinating lesions of corpus callosum and cerebral cortex. *Glia*, **2015**, 63, 104-17	9	70
188	Analytical challenges for measuring steroid responses to stress, neurodegeneration and injury in the central nervous system. *Steroids*, **2015**, 103, 42-57	2.8	30
187	Mass spectrometric analysis of steroids: all that glitters is not gold. *Expert Review of Endocrinology and Metabolism*, **2015**, 10, 463-465	4.1	10
186	The progesterone receptor agonist Nestorone holds back proinflammatory mediators and neuropathology in the wobbler mouse model of motoneuron degeneration. *Neuroscience*, **2015**, 308, 51-63	3.9	21
185	Hypoglossal-facial nerve side-to-side neurorrhaphy using a predegenerated nerve autograft for facial palsy after removal of acoustic tumours at the cerebellopontine angle. *Journal of Neurology, Neurosurgery and Psychiatry*, **2015**, 86, 865-72	5.5	11

184	Progesterone and allopregnanolone in the central nervous system: response to injury and implication for neuroprotection. *Journal of Steroid Biochemistry and Molecular Biology*, **2015**, 146, 48-61	5.1	143
183	Liver X receptors alpha and beta promote myelination and remyelination in the cerebellum. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 7587-92	11.5	59
182	Revisiting the roles of progesterone and allopregnanolone in the nervous system: resurgence of the progesterone receptors. *Progress in Neurobiology*, **2014**, 113, 6-39	10.9	236
181	Efficacy of the selective progesterone receptor agonist Nestorone for chronic experimental autoimmune encephalomyelitis. *Journal of Neuroimmunology*, **2014**, 276, 89-97	3.5	22
180	Hypoglossal-facial nerve "side"-to-side neurorrhaphy for persistent incomplete facial palsy. *Journal of Neurosurgery*, **2014**, 120, 263-72	3.2	14
179	Analgesic strategies aimed at stimulating the endogenous production of allopregnanolone. *Frontiers in Cellular Neuroscience*, **2014**, 8, 174	6.1	27
178	The androgen receptor as a therapeutic target for myelin repair in demyelinating diseases. *Expert Review of Endocrinology and Metabolism*, **2014**, 9, 5-7	4.1	2
177	Comparison of hemihypoglossal- and accessory-facial neurorrhaphy for treating facial paralysis in rats. *Journal of the Neurological Sciences*, **2014**, 347, 235-41	3.2	0
176	Progesterone attenuates several hippocampal abnormalities of the Wobbler mouse. *Journal of Neuroendocrinology*, **2013**, 25, 235-43	3.8	12
175	Neuroprotection by steroids after neurotrauma in organotypic spinal cord cultures: a key role for progesterone receptors and steroidal modulators of GABA(A) receptors. *Neuropharmacology*, **2013**, 71, 46-55	5.5	36
174	Distribution of membrane progesterone receptor alpha in the male mouse and rat brain and its regulation after traumatic brain injury. *Neuroscience*, **2013**, 231, 111-24	3.9	97
173	Progesterone protective effects in neurodegeneration and neuroinflammation. *Journal of Neuroendocrinology*, **2013**, 25, 1095-103	3.8	38
172	The neural androgen receptor: a therapeutic target for myelin repair in chronic demyelination. *Brain*, **2013**, 136, 132-46	11.2	104
171	Therapeutic effects of progesterone in animal models of neurological disorders. *CNS and Neurological Disorders - Drug Targets*, **2013**, 12, 1205-18	2.6	15
170	Progesterone effects on neuronal brain-derived neurotrophic factor and glial cells during progression of Wobbler mouse neurodegeneration. *Neuroscience*, **2012**, 201, 267-79	3.9	22
169	Estrogen-regulated synaptogenesis in the hippocampus: sexual dimorphism in vivo but not in vitro. *Journal of Steroid Biochemistry and Molecular Biology*, **2012**, 131, 24-9	5.1	78
168	Progesterone receptors: a key for neuroprotection in experimental stroke. *Endocrinology*, **2012**, 153, 3747-57	4.8	103
167	Progesterone synthesis in the nervous system: implications for myelination and myelin repair. *Frontiers in Neuroscience*, **2012**, 6, 10	5.1	132

166	Translocator protein (18 kDa) as a target for novel anxiolytics with a favourable side-effect profile. *Journal of Neuroendocrinology*, **2012**, 24, 82-92	3.8	57
165	Axonal regeneration and neuroinflammation: roles for the translocator protein 18 kDa. *Journal of Neuroendocrinology*, **2012**, 24, 71-81	3.8	59
164	Lithium enhances remyelination of peripheral nerves. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 3973-8	11.5	76
163	Hormonal influences in multiple sclerosis: new therapeutic benefits for steroids. *Maturitas*, **2011**, 68, 47-51	5	36
162	Progesterone attenuates astro- and microgliosis and enhances oligodendrocyte differentiation following spinal cord injury. *Experimental Neurology*, **2011**, 231, 135-46	5.7	81
161	Progesterone and Nestorone facilitate axon remyelination: a role for progesterone receptors. *Endocrinology*, **2011**, 152, 3820-31	4.8	88
160	Novel protective effect of mifepristone on detrimental GABAA receptor activity to immature Purkinje neurons. *FASEB Journal*, **2011**, 25, 3999-4010	0.9	13
159	Wnt/beta-catenin signaling is an essential and direct driver of myelin gene expression and myelinogenesis. *Journal of Neuroscience*, **2011**, 31, 3729-42	6.6	141
158	Interplay between LXR and Wnt/β-catenin signaling in the negative regulation of peripheral myelin genes by oxysterols. *Journal of Neuroscience*, **2011**, 31, 9620-9	6.6	75
157	A comparison of different dosages of a continuous preperitoneal infusion and systemic administration of ropivacaine after laparotomy in rats. *Anesthesia and Analgesia*, **2011**, 113, 617-25	3.9	13
156	Translocator protein (18 kDa) (TSPO) as a therapeutic target for neurological and psychiatric disorders. *Nature Reviews Drug Discovery*, **2010**, 9, 971-88	64.1	646
155	A role for FKBP52 in Tau protein function. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 2658-63	11.5	96
154	Membrane progesterone receptors localization in the mouse spinal cord. *Neuroscience*, **2010**, 166, 94-106	3.9	76
153	Stage dependent effects of progesterone on motoneurons and glial cells of wobbler mouse spinal cord degeneration. *Cellular and Molecular Neurobiology*, **2010**, 30, 123-35	4.6	32
152	Steroid profiling in preeclamptic women: evidence for aromatase deficiency. *American Journal of Obstetrics and Gynecology*, **2010**, 203, 477.e1-9	6.4	65
151	Analysis of pregnenolone and dehydroepiandrosterone in rodent brain: cholesterol autoxidation is the key. *Journal of Lipid Research*, **2009**, 50, 2430-44	6.3	37
150	Normal spermatogenesis in a man with mutant luteinizing hormone. *New England Journal of Medicine*, **2009**, 361, 1856-63	59.2	52
149	Progesterone neuroprotection in traumatic CNS injury and motoneuron degeneration. *Frontiers in Neuroendocrinology*, **2009**, 30, 173-87	8.9	123

148	Effects of progesterone on oligodendrocyte progenitors, oligodendrocyte transcription factors, and myelin proteins following spinal cord injury. *Glia*, **2009**, 57, 884-97	9	93
147	Progesterone effects on neuronal ultrastructure and expression of microtubule-associated protein 2 (MAP2) in rats with acute spinal cord injury. *Cellular and Molecular Neurobiology*, **2009**, 29, 27-39	4.6	26
146	25-hydroxycholesterol provokes oligodendrocyte cell line apoptosis and stimulates the secreted phospholipase A2 type IIA via LXR beta and PXR. *Journal of Neurochemistry*, **2009**, 109, 945-58	6	54
145	Translocator protein (18 kD) as target for anxiolytics without benzodiazepine-like side effects. *Science*, **2009**, 325, 490-3	33.3	265
144	The Prevention of Post-Partum Relapses with Progestin and Estradiol in Multiple Sclerosis (POPARTEMUS) trial: rationale, objectives and state of advancement. *Journal of the Neurological Sciences*, **2009**, 286, 114-8	3.2	92
143	Cross-talk between oxysterols and glucocorticoids: differential regulation of secreted phopholipase A2 and impact on oligodendrocyte death. *PLoS ONE*, **2009**, 4, e8080	3.7	15
142	The membrane-associated progesterone-binding protein 25-Dx: expression, cellular localization and up-regulation after brain and spinal cord injuries. *Brain Research Reviews*, **2008**, 57, 493-505		74
141	Pregnenolone sulfate in the brain: a controversial neurosteroid. *Neurochemistry International*, **2008**, 52, 522-40	4.4	86
140	Progesterone and progestins: neuroprotection and myelin repair. *Current Opinion in Pharmacology*, **2008**, 8, 740-6	5.1	79
139	Etifoxine improves peripheral nerve regeneration and functional recovery. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 20505-10	11.5	109
138	Steroid profiling in brain and plasma of male and pseudopregnant female rats after traumatic brain injury: analysis by gas chromatography/mass spectrometry. *Endocrinology*, **2007**, 148, 2505-17	4.8	110
137	Progesterone: therapeutic opportunities for neuroprotection and myelin repair **2007**, 116, 77-106		198
136	Identification and characterization of cholest-4-en-3-one, oxime (TRO19622), a novel drug candidate for amyotrophic lateral sclerosis. *Journal of Pharmacology and Experimental Therapeutics*, **2007**, 322, 709-20	4.7	209
135	Progesterone modulates brain-derived neurotrophic factor and choline acetyltransferase in degenerating Wobbler motoneurons. *Experimental Neurology*, **2007**, 203, 406-14	5.7	58
134	Novel perspectives for progesterone in hormone replacement therapy, with special reference to the nervous system. *Endocrine Reviews*, **2007**, 28, 387-439	27.2	138
133	3beta-Hydroxysteroid dehydrogenase/5-ene-4-ene isomerase mRNA expression in rat brain: effect of pseudopregnancy and traumatic brain injury. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 104, 293-300	5.1	19
132	Recruitment of the p160 coactivators by the glucocorticoid receptor: dependence on the promoter context and cell type but not hypoxic conditions. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 104, 305-11	5.1	13
131	Opposite effects of CBP and p300 in glucocorticoid signaling in astrocytes. *Journal of Steroid Biochemistry and Molecular Biology*, **2007**, 104, 220-7	5.1	9

130	Expression and functional state of the corticosteroid receptors and 11 beta-hydroxysteroid dehydrogenase type 2 in Schwann cells. *Endocrinology*, **2006**, 147, 4339-50	4.8	28
129	The neuroactive steroid pregnenolone sulfate stimulates the release of gonadotropin-releasing hormone from GT1-7 hypothalamic neurons, through N-methyl-D-aspartate receptors. *Endocrinology*, **2006**, 147, 2737-43	4.8	23
128	Differential recruitment of p160 coactivators by glucocorticoid receptor between Schwann cells and astrocytes. *Molecular Endocrinology*, **2006**, 20, 254-67		38
127	Neuroprotective effect of mifepristone involves neuron depolarization. *FASEB Journal*, **2006**, 20, 1377-86	6.9	24
126	Progesterone increases the expression of myelin basic protein and the number of cells showing NG2 immunostaining in the lesioned spinal cord. *Journal of Neurotrauma*, **2006**, 23, 181-92	5.4	66
125	Injury elicited increase in spinal cord neurosteroid content analyzed by gas chromatography mass spectrometry. *Endocrinology*, **2006**, 147, 1847-59	4.8	84
124	Females remyelinate more efficiently than males following demyelination in the aged but not young adult CNS. *Experimental Neurology*, **2006**, 202, 250-4	5.7	55
123	Concentrations of estradiol in ewe cerebrospinal fluid are modulated by photoperiod through pineal-dependent mechanisms. *Journal of Pineal Research*, **2006**, 41, 306-12	10.4	20
122	Progesterone treatment of spinal cord injury: Effects on receptors, neurotrophins, and myelination. *Journal of Molecular Neuroscience*, **2006**, 28, 3-15	3.3	77
121	Thyroid hormone deiodinases in the central and peripheral nervous system. *Thyroid*, **2005**, 15, 931-42	6.2	42
120	Progesterone neuroprotection in spinal cord trauma involves up-regulation of brain-derived neurotrophic factor in motoneurons. *Journal of Steroid Biochemistry and Molecular Biology*, **2005**, 94, 143-9	5.1	88
119	Identification by microarray analysis of aspartate aminotransferase and glutamine synthetase as glucocorticoid target genes in a mouse Schwann cell line. *Journal of Steroid Biochemistry and Molecular Biology*, **2005**, 97, 342-52	5.1	8
118	Progesterone restores retrograde labeling of cervical motoneurons in Wobbler mouse motoneuron disease. *Experimental Neurology*, **2005**, 195, 518-23	5.7	38
117	Progesterone increases oligodendroglial cell proliferation in rat cerebellar slice cultures. *Neuroscience*, **2005**, 135, 47-58	3.9	129
116	The membrane-associated progesterone-binding protein 25-Dx is expressed in brain regions involved in water homeostasis and is up-regulated after traumatic brain injury. *Journal of Neurochemistry*, **2005**, 93, 1314-26	6	87
115	What evidence is there for the existence of individual genes with antagonistic pleiotropic effects?. *Mechanisms of Ageing and Development*, **2005**, 126, 421-9	5.6	93
114	Ro5-4864, a synthetic ligand of peripheral benzodiazepine receptor, reduces aging-associated myelin degeneration in the sciatic nerve of male rats. *Mechanisms of Ageing and Development*, **2005**, 126, 1159-63	5.6	32
113	The anxiolytic etifoxine activates the peripheral benzodiazepine receptor and increases the neurosteroid levels in rat brain. *Pharmacology Biochemistry and Behavior*, **2005**, 82, 712-20	3.9	112

112	Involvement of {beta}-catenin and unusual behavior of CBP and p300 in glucocorticosteroid signaling in Schwann cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 14260-5	11.5	27
111	Selective recruitment of p160 coactivators on glucocorticoid-regulated promoters in Schwann cells. *Molecular Endocrinology*, **2004**, 18, 2866-79		38
110	Novel lipoidal derivatives of pregnenolone and dehydroepiandrosterone and absence of their sulfated counterparts in rodent brain. *Journal of Lipid Research*, **2004**, 45, 2287-302	6.3	91
109	Progesterone treatment reduces NADPH-diaphorase/nitric oxide synthase in Wobbler mouse motoneuron disease. *Brain Research*, **2004**, 1014, 71-9	3.7	28
108	Systemic progesterone administration results in a partial reversal of the age-associated decline in CNS remyelination following toxin-induced demyelination in male rats. *Neuropathology and Applied Neurobiology*, **2004**, 30, 80-9	5.2	99
107	Downregulation of steroidogenic acute regulatory protein (StAR) gene expression by cyclic AMP in cultured Schwann cells. *Glia*, **2004**, 45, 213-28	9	28
106	Pregnenolone sulfate enhances long-term potentiation in CA1 in rat hippocampus slices through the modulation of N-methyl-D-aspartate receptors. *Journal of Neuroscience Research*, **2004**, 78, 691-701	4.4	49
105	3alpha,5alpha-Tetrahydroprogesterone (allopregnanolone) and gamma-aminobutyric acid: autocrine/paracrine interactions in the control of neonatal PSA-NCAM+ progenitor proliferation. *Journal of Neuroscience Research*, **2004**, 78, 770-83	4.4	61
104	Local synthesis and dual actions of progesterone in the nervous system: neuroprotection and myelination. *Growth Hormone and IGF Research*, **2004**, 14 Suppl A, S18-33	2	169
103	Progesterone up-regulates neuronal brain-derived neurotrophic factor expression in the injured spinal cord. *Neuroscience*, **2004**, 125, 605-14	3.9	110
102	Developmental expression of genes involved in neurosteroidogenesis: 3beta-hydroxysteroid dehydrogenase/delta5-delta4 isomerase in the rat brain. *Endocrinology*, **2003**, 144, 2902-11	4.8	53
101	Effects of injury and progesterone treatment on progesterone receptor and progesterone binding protein 25-Dx expression in the rat spinal cord. *Journal of Neurochemistry*, **2003**, 87, 902-13	6	103
100	Characterization and regulation of the 3beta-hydroxysteroid dehydrogenase isomerase enzyme in the rat sciatic nerve. *Journal of Neurochemistry*, **2003**, 84, 119-26	6	26
99	Steroid effects on glial cells: detrimental or protective for spinal cord function?. *Annals of the New York Academy of Sciences*, **2003**, 1007, 317-28	6.5	37
98	In vitro metabolism of dehydroepiandrosterone (DHEA) to 7alpha-hydroxy-DHEA and Delta5-androstene-3beta,17beta-diol in specific regions of the aging brain from Alzheimer's and non-demented patients. *Brain Research*, **2003**, 969, 117-25	3.7	85
97	Progesterone and its metabolites increase myelin basic protein expression in organotypic slice cultures of rat cerebellum. *Journal of Neurochemistry*, **2003**, 86, 848-59	6	237
96	Steroids and the reversal of age-associated changes in myelination and remyelination. *Progress in Neurobiology*, **2003**, 71, 49-56	10.9	74
95	Steroid hormones and neurosteroids in normal and pathological aging of the nervous system. *Progress in Neurobiology*, **2003**, 71, 3-29	10.9	235

94	Control of cell survival and proliferation of postnatal PSA-NCAM(+) progenitors. *Molecular and Cellular Neurosciences*, **2003**, 22, 162-78	4.8	42
93	3 beta-hydroxysteroid dehydrogenase isomerase (3beta-HSD) activity in the rat sciatic nerve: kinetic analysis and regulation by steroids. *Journal of Steroid Biochemistry and Molecular Biology*, **2003**, 85, 89-94	5.1	12
92	Mifepristone (RU486) protects Purkinje cells from cell death in organotypic slice cultures of postnatal rat and mouse cerebellum. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 7953-8	11.5	70
91	Promoter activity and gene structure of rabbit FKBP52. *DNA and Cell Biology*, **2003**, 22, 505-11	3.6	5
90	Expression of steroidogenic acute regulatory protein in cultured Schwann cells and its regulation by cAMP. *Annals of the New York Academy of Sciences*, **2002**, 973, 83-7	6.5	9
89	Steroid receptors in various glial cell lines expression and functional studies. *Annals of the New York Academy of Sciences*, **2002**, 973, 484-7	6.5	9
88	Neurosteroid quantification in human brain regions: comparison between Alzheimer's and nondemented patients. *Journal of Clinical Endocrinology and Metabolism*, **2002**, 87, 5138-43	5.6	270
87	SSR180575 (7-chloro-N,N,5-trimethyl-4-oxo-3-phenyl-3,5-dihydro-4H-pyridazino[4,5-b]indole-1-acetamide), a peripheral benzodiazepine receptor ligand, promotes neuronal survival and repair. *Journal of Pharmacology and Experimental Therapeutics*, **2002**, 301, 1067-78	4.7	109
86	Progesterone neuroprotection in the Wobbler mouse, a genetic model of spinal cord motor neuron disease. *Neurobiology of Disease*, **2002**, 11, 457-68	7.5	107
85	Cellular basis for progesterone neuroprotection in the injured spinal cord. *Journal of Neurotrauma*, **2002**, 19, 343-55	5.4	85
84	Progesterone: Synthesis, Metabolism, Mechanisms of Action, and Effects in the Nervous System **2002**, 683-745		10
83	Basis of progesterone protection in spinal cord neurodegeneration. *Journal of Steroid Biochemistry and Molecular Biology*, **2002**, 83, 199-209	5.1	69
82	3 Beta-hydroxysteroid dehydrogenase expression in rat spinal cord. *Neuroscience*, **2002**, 113, 883-91	3.9	52
81	Synthesis of progesterone in Schwann cells: regulation by sensory neurons. *European Journal of Neuroscience*, **2001**, 13, 916-24	3.5	51
80	Rapid effects of triiodothyronine on immediate-early gene expression in Schwann cells. *Glia*, **2001**, 35, 81-9	9	22
79	Progesterone and the oligodendroglial lineage: stage-dependent biosynthesis and metabolism. *Glia* , **2001**, 36, 295-308	9	89
78	Induction of type 3 iodothyronine deiodinase by nerve injury in the rat peripheral nervous system. *Endocrinology*, **2001**, 142, 5190-7	4.8	33
77	Type 2 deiodinase in the peripheral nervous system: induction in the sciatic nerve after injury. *Neuroscience*, **2001**, 107, 507-18	3.9	18

76	Progesterone synthesis and myelin formation in peripheral nerves. *Brain Research Reviews*, **2001**, 37, 343-59		107
75	Progesterone stimulates Krox-20 gene expression in Schwann cells. *Molecular Brain Research*, **2001**, 90, 75-82		55
74	Early activation of transcription factor expression in Schwann cells by progesterone. *Molecular Brain Research*, **2001**, 97, 137-48		39
73	Validation of an analytical procedure to measure trace amounts of neurosteroids in brain tissue by gas chromatography-mass spectrometry. *Biomedical Applications*, **2000**, 739, 301-12		132
72	Prolonged intracerebroventricular infusion of neurosteroids affects cognitive performances in the mouse. *Brain Research*, **2000**, 858, 371-9	3.7	107
71	Glucocorticosteroids stimulate the activity of the promoters of peripheral myelin protein-22 and protein zero genes in Schwann cells. *Brain Research*, **2000**, 865, 12-6	3.7	51
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