

Rachida Guennoun

List of Publications by Year in descending order

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94
papers

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53794

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times ranked

3688
citing authors

#	ARTICLE	IF	CITATIONS
1	Progesterone and Allopregnanolone Neuroprotective Effects in the Wobbler Mouse Model of Amyotrophic Lateral Sclerosis. <i>Cellular and Molecular Neurobiology</i> , 2022, 42, 23-40.	3.3	11
2	Neuroprotective Effects of Testosterone in Male Wobbler Mouse, a Model of Amyotrophic Lateral Sclerosis. <i>Molecular Neurobiology</i> , 2021, 58, 2088-2106.	4.0	4
3	Developmental expression of genes involved in progesterone synthesis, metabolism and action during the post-natal cerebellar myelination. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2021, 207, 105820.	2.5	4
4	Sex differences in the cerebroprotection by Nestorone intranasal delivery following stroke in mice. <i>Neuropharmacology</i> , 2021, 198, 108760.	4.1	5
5	Sex steroids, neurosteroidogenesis, and inflammation in multiple sclerosis and related animal models. <i>Current Opinion in Endocrine and Metabolic Research</i> , 2021, 21, 100286.	1.4	0
6	Progesterone in the Brain: Hormone, Neurosteroid and Neuroprotectant. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5271.	4.1	67
7	Dose-dependent and long-term cerebroprotective effects of intranasal delivery of progesterone after ischemic stroke in male mice. <i>Neuropharmacology</i> , 2020, 170, 108038.	4.1	6
8	Insights into the Therapeutic Potential of Glucocorticoid Receptor Modulators for Neurodegenerative Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2137.	4.1	16
9	Intranasal administration of progesterone: A potential efficient route of delivery for cerebroprotection after acute brain injuries. <i>Neuropharmacology</i> , 2019, 145, 283-291.	4.1	28
10	Cerebroprotection by progesterone following ischemic stroke: Multiple effects and role of the neural progesterone receptors. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019, 185, 90-102.	2.5	26
11	Sex Differences, Progesterone, and Ischemic Stroke. <i>ISGE Series</i> , 2019, , 209-231.	0.2	0
12	Steroids in Stroke with Special Reference to Progesterone. <i>Cellular and Molecular Neurobiology</i> , 2019, 39, 551-568.	3.3	29
13	Sex differences in brain mitochondrial metabolism: influence of endogenous steroids and stroke. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12497.	2.6	52
14	Neurosteroidogenesis and progesterone anti-inflammatory/neuroprotective effects. <i>Journal of Neuroendocrinology</i> , 2018, 30, e12502.	2.6	47
15	Protective effects of the neurosteroid allopregnanolone in a mouse model of spontaneous motoneuron degeneration. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 174, 201-216.	2.5	27
16	A Role of Endogenous Progesterone in Stroke Cerebroprotection Revealed by the Neural-Specific Deletion of Its Intracellular Receptors. <i>Journal of Neuroscience</i> , 2017, 37, 10998-11020.	3.6	57
17	Progesterone treatment modulates mRNA OF neurosteroidogenic enzymes in a murine model of multiple sclerosis. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017, 165, 421-429.	2.5	12
18	Role of Sex Hormones on Brain Mitochondrial Function, with Special Reference to Aging and Neurodegenerative Diseases. <i>Frontiers in Aging Neuroscience</i> , 2017, 9, 406.	3.4	82

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19	Progesterone: Synthesis, Metabolism, Mechanism of Action, and Effects in the Nervous System. , 2017, , 215-244.		9
20	Steroid Profiling in Male Wobbler Mouse, a Model of Amyotrophic Lateral Sclerosis. <i>Endocrinology</i> , 2016, 157, 4446-4460.	2.8	23
21	Progesterone reduces brain mitochondrial dysfunction after transient focal ischemia in male and female mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2016, 36, 562-568.	4.3	29
22	Progesterone neuroprotection: The background of clinical trial failure. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2016, 160, 53-66.	2.5	77
23	Intranasal delivery of progesterone after transient ischemic stroke decreases mortality and provides neuroprotection. <i>Neuropharmacology</i> , 2015, 97, 394-403.	4.1	37
24	A functional progesterone receptor is required for immunomodulation, reduction of reactive gliosis and survival of oligodendrocyte precursors in the injured spinal cord. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 154, 274-284.	2.5	37
25	Effect of Sex Differences on Brain Mitochondrial Function and Its Suppression by Ovariectomy and in Aged Mice. <i>Endocrinology</i> , 2015, 156, 2893-2904.	2.8	104
26	Analytical challenges for measuring steroid responses to stress, neurodegeneration and injury in the central nervous system. <i>Steroids</i> , 2015, 103, 42-57.	1.8	35
27	The progesterone receptor agonist Nestorone holds back proinflammatory mediators and neuropathology in the wobbler mouse model of motoneuron degeneration. <i>Neuroscience</i> , 2015, 308, 51-63.	2.3	26
28	Progesterone and allopregnanolone in the central nervous system: Response to injury and implication for neuroprotection. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015, 146, 48-61.	2.5	166
29	Revisiting the roles of progesterone and allopregnanolone in the nervous system: Resurgence of the progesterone receptors. <i>Progress in Neurobiology</i> , 2014, 113, 6-39.	5.7	289
30	Efficacy of the selective progesterone receptor agonist Nestorone for chronic experimental autoimmune encephalomyelitis. <i>Journal of Neuroimmunology</i> , 2014, 276, 89-97.	2.3	28
31	Progesterone Attenuates Several Hippocampal Abnormalities of the Wobbler Mouse. <i>Journal of Neuroendocrinology</i> , 2013, 25, 235-243.	2.6	15
32	Neuroprotection by steroids after neurotrauma in organotypic spinal cord cultures: A key role for progesterone receptors and steroidal modulators of GABAA receptors. <i>Neuropharmacology</i> , 2013, 71, 46-55.	4.1	40
33	Distribution of membrane progesterone receptor alpha in the male mouse and rat brain and its regulation after traumatic brain injury. <i>Neuroscience</i> , 2013, 231, 111-124.	2.3	118
34	Progesterone Protective Effects in Neurodegeneration and Neuroinflammation. <i>Journal of Neuroendocrinology</i> , 2013, 25, 1095-1103.	2.6	47
35	Therapeutic Effects of Progesterone in Animal Models of Neurological Disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 999, 9-10.	1.4	13
36	Therapeutic effects of progesterone in animal models of neurological disorders. <i>CNS and Neurological Disorders - Drug Targets</i> , 2013, 12, 1205-18.	1.4	16

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37	Progesterone effects on neuronal brain-derived neurotrophic factor and glial cells during progression of Wobbler mouse neurodegeneration. <i>Neuroscience</i> , 2012, 201, 267-279.	2.3	24
38	Progesterone Receptors: A Key for Neuroprotection in Experimental Stroke. <i>Endocrinology</i> , 2012, 153, 3747-3757.	2.8	111
39	Progesterone attenuates astro- and microgliosis and enhances oligodendrocyte differentiation following spinal cord injury. <i>Experimental Neurology</i> , 2011, 231, 135-146.	4.1	88
40	Experimental and clinical evidence for the protective role of progesterone in motoneuron degeneration and neuroinflammation. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2011, 7, 403-11.	0.7	7
41	Stage Dependent Effects of Progesterone on Motoneurons and Glial Cells of Wobbler Mouse Spinal Cord Degeneration. <i>Cellular and Molecular Neurobiology</i> , 2010, 30, 123-135.	3.3	35
42	Membrane progesterone receptors localization in the mouse spinal cord. <i>Neuroscience</i> , 2010, 166, 94-106.	2.3	83
43	Progesterone neuroprotection in traumatic CNS injury and motoneuron degeneration. <i>Frontiers in Neuroendocrinology</i> , 2009, 30, 173-187.	5.2	139
44	Effects of progesterone on oligodendrocyte progenitors, oligodendrocyte transcription factors, and myelin proteins following spinal cord injury. <i>Glia</i> , 2009, 57, 884-897.	4.9	101
45	Progesterone Effects on Neuronal Ultrastructure and Expression of Microtubule-associated Protein 2 (MAP2) in Rats with Acute Spinal Cord Injury. <i>Cellular and Molecular Neurobiology</i> , 2009, 29, 27-39.	3.3	29
46	Progesterone: Synthesis, Metabolism, Mechanisms of Action, and Effects in the Nervous System. An Overview. , 2009, , 1505-1561.		1
47	The membrane-associated progesterone-binding protein 25-Dx: Expression, cellular localization and up-regulation after brain and spinal cord injuries. <i>Brain Research Reviews</i> , 2008, 57, 493-505.	9.0	80
48	S.24.03 Neuroactive steroids as enhancers of neuroregeneration. <i>European Neuropsychopharmacology</i> , 2008, 18, S191.	0.7	0
49	Progesterone modulates brain-derived neurotrophic factor and choline acetyltransferase in degenerating Wobbler motoneurons. <i>Experimental Neurology</i> , 2007, 203, 406-414.	4.1	67
50	Novel Perspectives for Progesterone in Hormone Replacement Therapy, with Special Reference to the Nervous System. <i>Endocrine Reviews</i> , 2007, 28, 387-439.	20.1	154
51	3 β -Hydroxysteroid dehydrogenase/5-ene-4-ene isomerase mRNA expression in rat brain: Effect of pseudopregnancy and traumatic brain injury. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007, 104, 293-300.	2.5	19
52	Steroid Profiling in Brain and Plasma of Male and Pseudopregnant Female Rats after Traumatic Brain Injury: Analysis by Gas Chromatography/Mass Spectrometry. <i>Endocrinology</i> , 2007, 148, 2505-2517.	2.8	122
53	Progesterone: Therapeutic opportunities for neuroprotection and myelin repair. , 2007, 116, 77-106.		221
54	Progesterone Increases the Expression of Myelin Basic Protein and the Number of Cells Showing NG2 Immunostaining in the Lesioned Spinal Cord. <i>Journal of Neurotrauma</i> , 2006, 23, 181-192.	3.4	71

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55	Injury Elicited Increase in Spinal Cord Neurosteroid Content Analyzed by Gas Chromatography Mass Spectrometry. <i>Endocrinology</i> , 2006, 147, 1847-1859.	2.8	88
56	Progesterone administration modulates AQP4 expression and edema after traumatic brain injury in male rats. <i>Experimental Neurology</i> , 2006, 198, 469-478.	4.1	190
57	Progesterone Treatment of Spinal Cord Injury: Effects on Receptors, Neurotrophins, and Myelination. <i>Journal of Molecular Neuroscience</i> , 2006, 28, 3-16.	2.3	84
58	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. <i>Journal of Neurochemistry</i> , 2005, 93, 1314-1326.	3.9	92
59	Progestins and antiprogestins: mechanisms of action, neuroprotection and myelination. , 2005, , 111-154.		2
60	Progesterone neuroprotection in spinal cord trauma involves up-regulation of brain-derived neurotrophic factor in motoneurons. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2005, 94, 143-149.	2.5	93
61	Progesterone restores retrograde labeling of cervical motoneurons in Wobbler mouse motoneuron disease. <i>Experimental Neurology</i> , 2005, 195, 518-523.	4.1	40
62	Progesterone treatment reduces NADPH-diaphorase/nitric oxide synthase in Wobbler mouse motoneuron disease. <i>Brain Research</i> , 2004, 1014, 71-79.	2.2	29
63	Downregulation of steroidogenic acute regulatory protein (StAR) gene expression by cyclic AMP in cultured Schwann cells. <i>Glia</i> , 2004, 45, 213-228.	4.9	29
64	Local synthesis and dual actions of progesterone in the nervous system: neuroprotection and myelination. <i>Growth Hormone and IGF Research</i> , 2004, 14, 18-33.	1.1	190
65	Progesterone up-regulates neuronal brain-derived neurotrophic factor expression in the injured spinal cord. <i>Neuroscience</i> , 2004, 125, 605-614.	2.3	117
66	Steroid Effects on Glial Cells. <i>Annals of the New York Academy of Sciences</i> , 2003, 1007, 317-328.	3.8	39
67	3 Beta-hydroxysteroid dehydrogenase isomerase (3 β -HSD) activity in the rat sciatic nerve: kinetic analysis and regulation by steroids. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 85, 89-94.	2.5	12
68	Developmental Expression of Genes Involved in Neurosteroidogenesis: 3 β -Hydroxysteroid Dehydrogenase/5 α Isomerase in the Rat Brain. <i>Endocrinology</i> , 2003, 144, 2902-2911.	2.8	54
69	Effects of injury and progesterone treatment on progesterone receptor and progesterone binding protein 25 α -Dx expression in the rat spinal cord. <i>Journal of Neurochemistry</i> , 2003, 87, 902-913.	3.9	107
70	Progesterone Neuroprotection in the Wobbler Mouse, a Genetic Model of Spinal Cord Motor Neuron Disease. <i>Neurobiology of Disease</i> , 2002, 11, 457-468.	4.4	112
71	Cellular Basis for Progesterone Neuroprotection in the Injured Spinal Cord. <i>Journal of Neurotrauma</i> , 2002, 19, 343-355.	3.4	92
72	Basis of progesterone protection in spinal cord neurodegeneration. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2002, 83, 199-209.	2.5	77

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73	3 β -Hydroxysteroid dehydrogenase expression in rat spinal cord. <i>Neuroscience</i> , 2002, 113, 883-891.	2.3	57
74	Characterization and regulation of the 3 β -hydroxysteroid dehydrogenase isomerase enzyme in the rat sciatic nerve. <i>Journal of Neurochemistry</i> , 2002, 84, 119-126.	3.9	28
75	Expression of Steroidogenic Acute Regulatory Protein in Cultured Schwann Cells and Its Regulation by cAMP. <i>Annals of the New York Academy of Sciences</i> , 2002, 973, 83-87.	3.8	11
76	Progesterone synthesis and myelin formation in peripheral nerves. <i>Brain Research Reviews</i> , 2001, 37, 343-359.	9.0	120
77	Progesterone stimulates Krox-20 gene expression in Schwann cells. <i>Molecular Brain Research</i> , 2001, 90, 75-82.	2.3	57
78	Synthesis of progesterone in Schwann cells: regulation by sensory neurons. <i>European Journal of Neuroscience</i> , 2001, 13, 916-924.	2.6	59
79	Progesterone and the oligodendroglial lineage: Stage-dependent biosynthesis and metabolism. <i>Glia</i> , 2001, 36, 295-308.	4.9	110
80	Steroid synthesis and metabolism in the nervous system: trophic and protective effects. <i>Journal of Neurocytology</i> , 2000, 29, 307-326.	1.5	164
81	Immunocytochemical evidence for a progesterone receptor in neurons and glial cells of the rat spinal cord. <i>Neuroscience Letters</i> , 2000, 288, 29-32.	2.1	64
82	Modulation of NADPH-diaphorase and glial fibrillary acidic protein by progesterone in astrocytes from normal and injured rat spinal cord. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2000, 73, 159-169.	2.5	43
83	Genomic and membrane actions of progesterone: implications for reproductive physiology and behavior. <i>Behavioural Brain Research</i> , 1999, 105, 37-52.	2.2	65
84	Neurosteroids in the Hippocampus: Neuronal Plasticity and Memory. <i>Stress</i> , 1997, 2, 65-78.	1.8	37
85	S.01.04 Progesterone synthesized in peripheral nerves promotes myelin repair and axonal regeneration. <i>European Neuropsychopharmacology</i> , 1997, 7, S80.	0.7	0
86	Neurosteroids: Expression of Functional 3 β -Hydroxysteroid Dehydrogenase by Rat Sensory Neurons and Schwann Cells. <i>European Journal of Neuroscience</i> , 1997, 9, 2236-2247.	2.6	70
87	Progesterone Synthesis and Myelin Formation by Schwann Cells. <i>Science</i> , 1995, 268, 1500-1503.	12.6	470
88	A key enzyme in the biosynthesis of neurosteroids, 3 β -hydroxysteroid dehydrogenase/5 α -isomerase (3 β -HSD), is expressed in rat brain. <i>Molecular Brain Research</i> , 1995, 30, 287-300.	2.3	197
89	Ontogeny of D1 and DARPP-32 gene expression in the rat striatum: an in situ hybridization study. <i>Molecular Brain Research</i> , 1992, 12, 131-139.	2.3	58
90	D2 dopamine receptor gene expression in the rat striatum during ontogeny: an in situ hybridization study. <i>Developmental Brain Research</i> , 1991, 60, 79-87.	1.7	53

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91	Estrogen-independent and estrogen-induced progesterone receptors, and their regulation by progestins in the hypothalamus and pituitary of the chick embryo: an immunohistochemical study. <i>Developmental Brain Research</i> , 1990, 55, 151-159.	1.7	8
92	Evidence of a functional aromatase system in the pituitary gland of the chick embryo in vitro. <i>Journal of Endocrinology</i> , 1988, 119, 229-NP.	2.6	1
93	Progesterone receptors in hypothalamus and pituitary during the embryonic development of the chick: regulation by sex steroid hormones. <i>Developmental Brain Research</i> , 1987, 37, 1-9.	1.7	28
94	Progestin action in the brain. <i>Endocrine Abstracts</i> , 0, , .	0.0	0