Cordian Beyer

List of Publications by Year
in descending order

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Version: 2024-02-01

179 papers	8,808 citations	31902 53 h-index	58464 82 g-index
181 all docs	181 docs citations	181 times ranked	9179 citing authors

#	Article	IF	Citations
1	The cuprizone animal model: new insights into an old story. Acta Neuropathologica, 2009, 118, 723-736.	3.9	415
2	IKK mediates ischemia-induced neuronal death. Nature Medicine, 2005, 11, 1322-1329.	15.2	248
3	Estrogen and the developing mammalian brain. Anatomy and Embryology, 1999, 199, 379-390.	1.5	242
4	NLRP3 inflammasome is expressed by astrocytes in the SOD1 mouse model of ALS and in human sporadic ALS patients. Glia, 2015, 63, 2260-2273.	2.5	201
5	Inflammasome: Its role in traumatic brain and spinal cord injury. Journal of Cellular Physiology, 2018, 233, 5160-5169.	2.0	186
6	17Î²â€estradiol and progesterone prevent cuprizone provoked demyelination of corpus callosum in male mice. Glia, 2009, 57, 807-814.	2.5	175
7	Regulation of glutamate transporter GLAST and GLT-1 expression in astrocytes by estrogen. Molecular Brain Research, 2005, 138, 1-7.	2.5	155
8	Dopamine content and metabolism in mesencephalic and diencephalic cell cultures: sex differences and effects of sex steroids. Journal of Neuroscience, 1991, 11, 1325-1333.	1.7	145
9	Myelin debris regulates inflammatory responses in an experimental demyelination animal model and multiple sclerosis lesions. Glia, 2012, 60, 1468-1480.	2.5	131
10	Activation and Regulation of NLRP3 Inflammasome by Intrathecal Application of SDF-1a in a Spinal Cord Injury Model. Molecular Neurobiology, 2016, 53, 3063-3075.	1.9	129
11	Nongenomic effects of oestrogen: embryonic mouse midbrain neurones respond with a rapid release of calcium from intracellular stores. European Journal of Neuroscience, 1998, 10, 255-262.	1.2	127
12	Gonadal steroids prevent cell damage and stimulate behavioral recovery after transient middle cerebral artery occlusion in male and female rats. Brain, Behavior, and Immunity, 2011, 25, 715-726.	2.0	119
13	Progesterone therapy induces an M1 to M2 switch in microglia phenotype and suppresses NLRP3 inflammasome in a cuprizone-induced demyelination mouse model. International Immunopharmacology, 2017, 51, 131-139.	1.7	118
14	CXCL10 Triggers Early Microglial Activation in the Cuprizone Model. Journal of Immunology, 2015, 194, 3400-3413.	0.4	115
15	Inflammatory Response and Chemokine Expression in the White Matter Corpus Callosum and Gray Matter Cortex Region During Cuprizone-Induced Demyelination. Journal of Molecular Neuroscience, 2012, 48, 66-76.	1.1	113
16	Neuroprotection by gonadal steroid hormones in acute brain damage requires cooperation with astroglia and microglia. Journal of Steroid Biochemistry and Molecular Biology, 2013, 137, 71-81.	1.2	104
17	Rapid Stimulation of the PI3-Kinase/Akt Signalling Pathway in Developing Midbrain Neurones by Oestrogen. Journal of Neuroendocrinology, 2002, 14, 73-79.	1.2	102
18	Neuroprotective effects of argon in an in vivo model of transient middle cerebral artery occlusion in rats*. Critical Care Medicine, 2011, 39, 1448-1453.	0.4	98

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19	Estrogen Attenuates Local Inflammasome Expression and Activation after Spinal Cord Injury. Molecular Neurobiology, 2018, 55, 1364-1375.	1.9	98
20	Impact of sex steroids on neuroinflammatory processes and experimental multiple sclerosis. Frontiers in Neuroendocrinology, 2009, 30, 188-200.	2.5	97
21	Activation of dopaminergic D1 receptors promotes morphogenesis of developing striatal neurons. Neuroscience, 1996, 74, 453-460.	1.1	96
22	Cuprizone treatment induces demyelination and astrocytosis in the mouse hippocampus. Journal of Neuroscience Research, 2009, 87, 1343-1355.	1.3	96
23	Poststroke Inflammasome Expression and Regulation in the Peri-Infarct Area by Gonadal Steroids after Transient Focal Ischemia in the Rat Brain. Neuroendocrinology, 2016, 103, 460-475.	1.2	96
24	Cuprizone Treatment Induces Distinct Demyelination, Astrocytosis, and Microglia Cell Invasion or Proliferation in the Mouse Cerebellum. Cerebellum, 2009, 8, 163-174.	1.4	95
25	Expression of estrogen receptor-Î± and Î² mRNA in the developing and adult mouse striatum. Neuroscience Letters, 1999, 276, 95-98.	1.0	94
26	TTC staining of damaged brain areas after MCA occlusion in the rat does not constrict quantitative gene and protein analyses. Journal of Neuroscience Methods, 2010, 187, 84-89.	1.3	93
27	The sphingosine 1â€phosphate receptor agonist <scp>FTY</scp>720 is neuroprotective after cuprizoneâ€induced <scp>CNS</scp> demyelination. British Journal of Pharmacology, 2015, 172, 80-92.	2.7	92
28	Estrogen receptor-? is associated with the plasma membrane of astrocytes and coupled to the MAP/Src-kinase pathway. Glia, 2005, 50, 270-275.	2.5	90
29	Regulation of brain microglia by female gonadal steroids. Journal of Steroid Biochemistry and Molecular Biology, 2015, 146, 3-14.	1.2	90
30	Estrogen regulates tyrosine hydroxylase expression in the neonate mouse midbrain. Journal of Neurobiology, 2003, 54, 638-647.	3.7	84
31	Neuroprotection by estrogen in the brain: the mitochondrial compartment as presumed therapeutic target. Journal of Neurochemistry, 2009, 110, 1-11.	2.1	83
32	Regulation of Hypoxia-Induced Inflammatory Responses and M1-M2 Phenotype Switch of Primary Rat Microglia by Sex Steroids. Journal of Molecular Neuroscience, 2014, 52, 277-285.	1.1	80
33	Activation of the astrocytic Nrf2/ARE system ameliorates the formation of demyelinating lesions in a multiple sclerosis animal model. Glia, 2016, 64, 2219-2230.	2.5	80
34	Cuprizone-Induced Demyelination as a Tool to Study Remyelination and Axonal Protection. Journal of Molecular Neuroscience, 2013, 51, 567-572.	1.1	79
35	Oestrogen and Progesterone Reduce Lipopolysaccharide-Induced Expression of Tumour Necrosis Factor-? and Interleukin-18 in Midbrain Astrocytes. Journal of Neuroendocrinology, 2007, 19, 819-822.	1.2	78
36	Brain-Region-Specific Astroglial Responses In Vitro After LPS Exposure. Journal of Molecular Neuroscience, 2008, 35, 235-243.	1.1	77

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37	Omega-3 polyunsaturated fatty acids ameliorate neuroinflammation and mitigate ischemic stroke damage through interactions with astrocytes and microglia. Journal of Neuroimmunology, 2015, 278, 200-211.	1.1	76
38	Effects of agrin on the expression and distribution of the water channel protein aquaporinâ€4 and volume regulation in cultured astrocytes. European Journal of Neuroscience, 2007, 26, 2109-2118.	1.2	75
39	Membrane receptors for oestrogen in the brain. Journal of Neurochemistry, 2003, 87, 545-550.	2.1	74
40	Effect of hypoxia on the transcription pattern of subunit isoforms and the kinetics of cytochromeâ€ƒcoxidase in cortical astrocytes and cerebellar neurons. Journal of Neurochemistry, 2006, 99, 937-951.	2.1	74
41	Estrogen and the development and protection of nigrostriatal dopaminergic neurons: Concerted action of a multitude of signals, protective molecules, and growth factors. Frontiers in Neuroendocrinology, 2006, 27, 376-390.	2.5	73
42	Multiple sclerosis: Neuroprotective alliance of estrogenâ€“progesterone and gender. Frontiers in Neuroendocrinology, 2012, 33, 1-16.	2.5	73
43	Anatomical Distribution of Cuprizone-Induced Lesions in C57BL6 Mice. Journal of Molecular Neuroscience, 2015, 57, 166-175.	1.1	73
44	Cuprizone effect on myelination, astrogliosis and microglia attraction in the mouse basal ganglia. Brain Research, 2009, 1305, 137-149.	1.1	69
45	BLBP-expression in astrocytes during experimental demyelination and in human multiple sclerosis lesions. Brain, Behavior, and Immunity, 2011, 25, 1554-1568.	2.0	69
46	Oestrogen Regulates the Expression and Function of Dopamine Transporters in Astrocytes of the Nigrostriatal System. Journal of Neuroendocrinology, 2007, 19, 682-690.	1.2	65
47	Inflammatory cytokine release of astrocytes in vitro is reduced by all-trans retinoic acid. Journal of Neuroimmunology, 2010, 229, 169-179.	1.1	65
48	Developmental Expression and Regulation of Aromatase- and 5Î±-Reductase Type 1 mRNA in the Male and Female Mouse Hypothalamus. Journal of Neuroendocrinology, 2008, 10, 267-274.	1.2	62
49	Androgens influence sexual differentiation of embryonic mouse hypothalamic aromatase neurons in vitro.. Endocrinology, 1994, 135, 1220-1226.	1.4	61
50	Estrogen stimulates brain-derived neurotrophic factor expression in embryonic mouse midbrain neurons through a membrane-mediated and calcium-dependent mechanism. Journal of Neuroscience Research, 2001, 66, 221-230.	1.3	60
51	Gender-specific regulation of mitochondrial fusion and fission gene transcription and viability of cortical astrocytes by steroid hormones. Journal of Molecular Endocrinology, 2008, 41, 289-300.	1.1	59
52	Neurodegeneration Triggers Peripheral Immune Cell Recruitment into the Forebrain. Journal of Neuroscience, 2016, 36, 1410-1415.	1.7	59
53	Sex steroid hormone-mediated functional regulation of microglia-like BV-2 cells during hypoxia. Journal of Steroid Biochemistry and Molecular Biology, 2013, 138, 195-205.	1.2	57
54	Combination of cuprizone and experimental autoimmune encephalomyelitis to study inflammatory brain lesion formation and progression. Glia, 2017, 65, 1900-1913.	2.5	56

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55	Genotype-dependent sex differentiation of dopaminergic neurons in primary cultures of embryonic mouse brain. Developmental Brain Research, 1996, 93, 136-142.	2.1	55
56	Thalamus pathology in multiple sclerosis: from biology to clinical application. Cellular and Molecular Life Sciences, 2015, 72, 1127-1147.	2.4	54
57	Î±1-antitrypsin mitigates NLRP3-inflammasome activation in amyloid Î²1â€“42-stimulated murine astrocytes. Journal of Neuroinflammation, 2018, 15, 282.	3.1	53
58	Short-Term Cuprizone Feeding Induces Selective Amino Acid Deprivation with Concomitant Activation of an Integrated Stress Response in Oligodendrocytes. Cellular and Molecular Neurobiology, 2013, 33, 1087-1098.	1.7	51
59	Administration of 17Î²-Estradiol Improves Motoneuron Survival and Down-regulates Inflammasome Activation in Male SOD1(G93A) ALS Mice. Molecular Neurobiology, 2017, 54, 8429-8443.	1.9	51
60	Estradiol Stimulates GDNF Expression in Developing Hypothalamic Neurons. Endocrinology, 2002, 143, 3175-3178.	1.4	50
61	Neurodegeneration and <scp>NLRP3</scp> inflammasome expression in the anterior thalamus of <scp>SOD1(G93A) ALS</scp> mice. Brain Pathology, 2018, 28, 14-27.	2.1	50
62	The regulatory role of Toll-like receptors after ischemic stroke: neurosteroids as TLR modulators with the focus on TLR2/4. Cellular and Molecular Life Sciences, 2019, 76, 523-537.	2.4	50
63	Reduced astrocyte density underlying brain volume reduction in activity-based anorexia rats. World Journal of Biological Psychiatry, 2018, 19, 225-235.	1.3	49
64	Differentiative Effects of Dopamine on Striatal Neurons Involve Stimulation of the cAMP/PKA Pathway. Molecular and Cellular Neurosciences, 1998, 11, 9-18.	1.0	48
65	Classical and Nonclassical Estrogen Action in the Developing Midbrain. Hormones and Behavior, 2001, 40, 196-202.	1.0	46
66	Cellular Strategies of Estrogen-Mediated Neuroprotection During Brain Development. Endocrine, 2003, 21, 3-10.	2.2	46
67	Expression of Enzymes Involved in the Prostanoid Metabolism by Cortical Astrocytes after LPS-induced Inflammation. Journal of Molecular Neuroscience, 2008, 34, 177-185.	1.1	46
68	Functional alterations of the nigrostriatal dopamine system in estrogen receptor-Î± knockout (ERKO) mice. Psychoneuroendocrinology, 2008, 33, 832-838.	1.3	46
69	Corticosteroids Impair Remyelination in the Corpus Callosum of Cuprizone-Treated Mice. Journal of Neuroendocrinology, 2011, 23, 601-611.	1.2	46
70	Gender-specific role of mitochondria in the vulnerability of 6-hydroxydopamine-treated mesencephalic neurons. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 1178-1188.	0.5	45
71	Estrogen and the regulation of mitochondrial structure and function in the brain. Journal of Steroid Biochemistry and Molecular Biology, 2012, 131, 2-9.	1.2	45
72	Regulation of ecto-5â€²-nucleotidase (CD73) in cultured cortical astrocytes by different inflammatory factors. Neurochemistry International, 2012, 61, 681-688.	1.9	43

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73	Long-term cerebral cortex protection and behavioral stabilization by gonadal steroid hormones after transient focal hypoxia. Journal of Steroid Biochemistry and Molecular Biology, 2012, 131, 10-16.	1.2	43
74	The reduction of astrocytes and brain volume loss in anorexia nervosaâ€"the impact of starvation and refeeding in a rodent model. Translational Psychiatry, 2019, 9, 159.	2.4	43
75	Regional Heterogeneity of Cuprizone-Induced Demyelination: Topographical Aspects of the Midline of the Corpus Callosum. Journal of Molecular Neuroscience, 2013, 49, 80-88.	1.1	41
76	Inflammatory chemokine release of astrocytes in vitro is reduced by allâ€trans retinoic acid. Journal of Neurochemistry, 2010, 114, 1511-1526.	2.1	40
77	Sexâ€•and brain regionâ€specific role of cytochrome c oxidase in 1â€methylâ€4â€phenylpyridiniumâ€mediated astrocyte vulnerability. Journal of Neuroscience Research, 2011, 89, 2068-2082.	1.3	40
78	Hypoxia Induces Astrocyte-Derived Lipocalin-2 in Ischemic Stroke. International Journal of Molecular Sciences, 2019, 20, 1271.	1.8	40
79	Impact of steroid hormones E2 and P on the NLRP3/ASC/Casp1 axis in primary mouse astroglia and BV-2 cells after in vitro hypoxia. Journal of Steroid Biochemistry and Molecular Biology, 2018, 183, 18-26.	1.2	39
80	Ontogeny of aromatase messenger ribonucleic acid and aromatase activity in the rat midbrain. Molecular Brain Research, 1995, 34, 333-336.	2.5	38
81	Prenatal Estrogen and Progesterone Deprivation Impairs Alveolar Formation and Fluid Clearance in Newborn Piglets. Pediatric Research, 2006, 60, 60-64.	1.1	38
82	Acute axonal damage in three different murine models of multiple sclerosis: A comparative approach. Brain Research, 2016, 1650, 125-133.	1.1	38
83	Stromal cell-derived factor-1 alpha (SDF-1Î±) improves neural recovery after spinal cord contusion in rats. Brain Research, 2012, 1473, 214-226.	1.1	37
84	Regional regulation of glutamate signaling during cuprizone-induced demyelination in the brain. Annals of Anatomy, 2013, 195, 415-423.	1.0	37
85	Hypoxia-Induced Gene Expression of Aquaporin-4, Cyclooxygenase-2 and Hypoxia-Inducible Factor 1Î± in Rat Cortical Astroglia Is Inhibited by 17Î²-Estradiol and Progesterone. Neuroendocrinology, 2014, 99, 156-167.	1.2	36
86	Impact of 17beta-estradiol and progesterone on inflammatory and apoptotic microRNA expression after ischemia in a rat model. Journal of Steroid Biochemistry and Molecular Biology, 2017, 167, 126-134.	1.2	36
87	Ontogenetic expression and splicing of estrogen receptor-Î± and Î² mRNA in the rat midbrain. Neuroscience Letters, 1999, 275, 21-24.	1.0	35
88	Antiâ€inflammatory effect of retinoic acid on prostaglandin synthesis in cultured cortical astrocytes. Journal of Neurochemistry, 2008, 106, 320-332.	2.1	34
89	Combined 17Î²â€Oestradiol and Progesterone Treatment Prevents Neuronal Cell Injury in Cortical but not Midbrain Neurones or Neuroblastoma Cells. Journal of Neuroendocrinology, 2009, 21, 841-849.	1.2	34
90	Sex Steroids Control Neuroinflammatory Processes in the Brain: Relevance for Acute Ischaemia and Degenerative Demyelination. Journal of Neuroendocrinology, 2012, 24, 62-70.	1.2	34

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91	Melatonin regulates neuroinflammation ischemic stroke damage through interactions with microglia in reperfusion phase. Brain Research, 2019, 1723, 146401.	1.1	34
92	Nrf2 deficiency increases oligodendrocyte loss, demyelination, neuroinflammation and axonal damage in an MS animal model. Metabolic Brain Disease, 2020, 35, 353-362.	1.4	33
93	Oestrogen Influences on Mitochondrial Gene Expression and Respiratory Chain Activity in Cortical and Mesencephalic Astrocytes. Journal of Neuroendocrinology, 2008, 20, 930-941.	1.2	32
94	Selective regulation of growth factor expression in cultured cortical astrocytes by neuro-pathological toxins. Neurochemistry International, 2009, 55, 610-618.	1.9	32
95	Expression of Translocator Protein and [18F]-GE180 Ligand Uptake in Multiple Sclerosis Animal Models. Cells, 2019, 8, 94.	1.8	32
96	Inflammasomes are neuroprotective targets for sex steroids. Journal of Steroid Biochemistry and Molecular Biology, 2015, 153, 135-143.	1.2	31
97	Cuprizoneâ€induced graded oligodendrocyte vulnerability is regulated by the transcription factor DNA damageâ€inducible transcript 3. Glia, 2019, 67, 263-276.	2.5	31
98	Brain Lipid Binding Protein (FABP7) as Modulator of Astrocyte Function. Physiological Research, 2011, 60, S49-S60.	0.4	31
99	Impact of 17Î²-estradiol on cytokine-mediated apoptotic effects in primary hippocampal and neocortical cell cultures. Brain Research, 2006, 1116, 64-74.	1.1	29
100	ADAM12 is expressed by astrocytes during experimental demyelination. Brain Research, 2010, 1326, 1-14.	1.1	29
101	Absence of CCL2 and CCL3 Ameliorates Central Nervous System Grey Matter But Not White Matter Demyelination in the Presence of an Intact Bloodâ€“Brain Barrier. Molecular Neurobiology, 2016, 53, 1551-1564.	1.9	29
102	Brain inflammasomes in stroke and depressive disorders: Regulation by oestrogen. Journal of Neuroendocrinology, 2018, 30, e12482.	1.2	29
103	Role of Steroid Therapy after Ischemic Stroke by n-Methyl-d-Aspartate Receptor Gene Regulation. Journal of Stroke and Cerebrovascular Diseases, 2018, 27, 3066-3075.	0.7	29
104	Exogenous testosterone and the monoamine-oxidase A polymorphism influence anger, aggression and neural responses to provocation in males. Neuropharmacology, 2019, 156, 107491.	2.0	29
105	Gonadal Hormones E2 and P Mitigate Cerebral Ischemia-Induced Upregulation of the AIM2 and NLRC4 Inflammasomes in Rats. International Journal of Molecular Sciences, 2020, 21, 4795.	1.8	29
106	Regulation of Choline Acetyltransferase Expression by 17Î²-Oestradiol in NSC-34 Cells and in the Spinal Cord. Journal of Neuroendocrinology, 2011, 23, 839-848.	1.2	28
107	Solulin reduces infarct volume and regulates gene-expression in transient middle cerebral artery occlusion in rats. BMC Neuroscience, 2011, 12, 113.	0.8	28
108	Regulatory effect of triiodothyronine on brain myelination and astrogliosis after cuprizone-induced demyelination in mice. Metabolic Brain Disease, 2016, 31, 425-433.	1.4	28

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109	Female sex steroids and glia cells: Impact on multiple sclerosis lesion formation and fine tuning of the local neurodegenerative cellular network. Neuroscience and Biobehavioral Reviews, 2016, 67, 125-136.	2.9	28
110	Estrogen serum concentration affects blood immune cell composition and polarization in human females under controlled ovarian stimulation. Journal of Steroid Biochemistry and Molecular Biology, 2018, 178, 340-347.	1.2	28
111	Establishment of a chronic activity-based anorexia rat model. Journal of Neuroscience Methods, 2018, 293, 191-198.	1.3	28
112	Expression analysis following argon treatment in an in vivo model of transient middle cerebral artery occlusion in rats. Medical Gas Research, 2014, 4, 11.	1.2	27
113	Memory impairment is associated with the loss of regular oestrous cycle and plasma oestradiol levels in an activity-based anorexia animal model. World Journal of Biological Psychiatry, 2016, 17, 274-284.	1.3	27
114	G-Protein-Coupled Receptor Gpr17 Expression in Two Multiple Sclerosis Remyelination Models. Molecular Neurobiology, 2019, 56, 1109-1123.	1.9	27
115	Developmental regulation of glutamic acid decarboxylase mRNA expression and splicing in the rat striatum by dopamine. Molecular Brain Research, 2000, 81, 19-28.	2.5	26
116	Gonadal steroids block the calpain-1-dependent intrinsic pathway of apoptosis in an experimental rat stroke model. Neurological Research, 2017, 39, 54-64.	0.6	26
117	The protective effect of bone marrow mesenchymal stem cells in a rat model of ischemic stroke via reducing the C-Jun N-terminal kinase expression. Pathology Research and Practice, 2019, 215, 152519.	1.0	26
118	Aggregated Tau-PHF6 (VQIVYK) Potentiates NLRP3 Inflammasome Expression and Autophagy in Human Microglial Cells. Cells, 2021, 10, 1652.	1.8	26
119	Thalamus Degeneration and Inflammation in Two Distinct Multiple Sclerosis Animal Models. Journal of Molecular Neuroscience, 2016, 60, 102-114.	1.1	24
120	Effect of Intrastriatal 6-OHDA Lesions on Extrastriatal Brain Structures in the Mouse. Molecular Neurobiology, 2018, 55, 4240-4252.	1.9	24
121	Combined effects of rat Schwann cells and 17Î²-estradiol in a spinal cord injury model. Metabolic Brain Disease, 2018, 33, 1229-1242.	1.4	24
122	Combined Application of 17-Estradiol and Progesterone Enhance Vascular Endothelial Growth Factor and Surfactant Protein Expression in Cultured Embryonic Lung Cells of Mice. International Journal of Pediatrics (United Kingdom), 2009, 2009, 1-8.	0.2	23
123	Glial Amyloid Precursor Protein Expression is Restricted to Astrocytes in an Experimental Toxic Model of Multiple Sclerosis. Journal of Molecular Neuroscience, 2011, 43, 268-274.	1.1	23
124	EPO regulates neuroprotective Transmembrane BAX Inhibitor-1 Motif-containing (TMBIM) family members GRINA and FAIM2 after cerebral ischemia-reperfusion injury. Experimental Neurology, 2019, 320, 112978.	2.0	22
125	BDNF-dependent stimulation of dopamine D5receptor expression in developing striatal astrocytes involves PI3-kinase signaling. Glia, 2004, 46, 284-295.	2.5	21
126	An Improved Protocol for Isolation and Culturing of Mouse Spermatogonial Stem Cells. Cellular Reprogramming, 2013, 15, 329-336.	0.5	21

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127	Gut microbiota and brain alterations in a translational anorexia nervosa rat model. Journal of Psychiatric Research, 2021, 133, 156-165.	1.5	21
128	Short-Term Cuprizone Feeding Verifies N-Acetylaspartate Quantification as a Marker of Neurodegeneration. Journal of Molecular Neuroscience, 2015, 55, 733-748.	1.1	20
129	Developmental expression of MNAR mRNA in the mouse brain. Cell and Tissue Research, 2005, 320, 545-549.	1.5	19
130	Expression analysis of the early chemokine response 4Âh after in vitro traumatic brain injury. Inflammation Research, 2011, 60, 379-387.	1.6	18
131	Xenon Enhances LPS-Induced IL-1Î² Expression in Microglia via the Extracellular Signal-Regulated Kinase 1/2 Pathway. Journal of Molecular Neuroscience, 2011, 45, 48-59.	1.1	18
132	Oligodendrocyte degeneration and concomitant microglia activation directs peripheral immune cells into the forebrain. Neurochemistry International, 2019, 126, 139-153.	1.9	17
133	A Fatal Alliance between Microglia, Inflammasomes, and Central Pain. International Journal of Molecular Sciences, 2020, 21, 3764.	1.8	17
134	Long-Term Glucose Starvation Induces Inflammatory Responses and Phenotype Switch in Primary Cortical Rat Astrocytes. Journal of Molecular Neuroscience, 2021, 71, 2368-2382.	1.1	17
135	Blocking Inflammasome Activation Caused by Î²-Amyloid Peptide (AÎ²) and Islet Amyloid Polypeptide (IAPP) through an IAPP Mimic. ACS Chemical Neuroscience, 2019, 10, 3703-3717.	1.7	16
136	Astroglial Redistribution of Aquaporin 4 During Spongy Degeneration in a Canavan Disease Mouse Model. Journal of Molecular Neuroscience, 2014, 53, 22-30.	1.1	15
137	Upregulation and phosphorylation of HspB1/Hsp25 and HspB5/Î±B-crystallin after transient middle cerebral artery occlusion in rats. Cell Stress and Chaperones, 2017, 22, 653-663.	1.2	15
138	Lipid Peroxidation and Its Role in the Expression of NLRP1a and NLRP3 Genes in Testicular Tissue of Male Rats: a Model of Spinal Cord Injury. Iranian Biomedical Journal, 2018, 22, 151-9.	0.4	15
139	Chemical hypoxiaâ€induced integrated stress response activation in oligodendrocytes is mediated by the transcription factor nuclear factor (erythroidâ€derived 2)â€like 2 (<scp>NRF</scp>2). Journal of Neurochemistry, 2018, 144, 285-301.	2.1	14
140	Gender-related effects of prenatal administration of estrogen and progesterone receptor antagonists on VEGF and surfactant-proteins and on alveolarisation in the developing piglet lung. Early Human Development, 2009, 85, 353-359.	0.8	13
141	Lesion Expansion in Experimental Demyelination Animal Models and Multiple Sclerosis Lesions. Molecular Neurobiology, 2016, 53, 4905-4917.	1.9	13
142	Laquinimod Supports Remyelination in Non-Supportive Environments. Cells, 2019, 8, 1363.	1.8	13
143	Mitochondrial Impairment in Oligodendroglial Cells Induces Cytokine Expression and Signaling. Journal of Molecular Neuroscience, 2019, 67, 265-275.	1.1	13
144	NLRP3 Depletion Fails to Mitigate Inflammation but Restores Diminished Phagocytosis in BV-2 Cells After In Vitro Hypoxia. Molecular Neurobiology, 2020, 57, 2588-2599.	1.9	13

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145	Effect of Estrogen Therapy on TNF-Î± and iNOS Gene Expression in Spinal Cord Injury Model. Acta Medica Iranica, 2016, 54, 296-301.	0.8	13
146	Oestrogen Regulates Mitochondrial Respiratory Chain Enzyme Transcription in the Mouse Spinal Cord. Journal of Neuroendocrinology, 2010, 22, 926-935.	1.2	11
147	Nrf2 Signaling in Sodium Azide-Treated Oligodendrocytes Restores Mitochondrial Functions. Journal of Molecular Neuroscience, 2018, 66, 229-237.	1.1	11
148	Estrogen and progesterone attenuate glutamate neurotoxicity via regulation of EAAT3 and GLT-1 in a rat model of ischemic stroke. Iranian Journal of Basic Medical Sciences, 2020, 23, 1346-1352.	1.0	11
149	Presence of The NLRP3 Inflammasome Components in Semen of Varicocele Patients. International Journal of Fertility & Sterility, 2020, 14, 46-50.	0.2	11
150	Role of stromal derived factor-1a (SDF-1a) for spermatogenesis of busulfan-injured rats. Reproductive Toxicology, 2017, 73, 142-148.	1.3	10
151	CXCL12 inhibits inflammasome activation in LPS-stimulated BV2 cells. Brain Research, 2021, 1763, 147446.	1.1	10
152	Protective effects of erythropoietin against cuprizone-induced oxidative stress and demyelination in the mouse corpus callosum. Iranian Journal of Basic Medical Sciences, 2017, 20, 886-893.	1.0	10
153	Regulation of Inflammasomes by Application of Omega-3 Polyunsaturated Fatty Acids in a Spinal Cord Injury Model. Cells, 2021, 10, 3147.	1.8	10
154	Effect of Progesterone Therapy on TNF-Î± and iNOS Gene Expression in Spinal Cord Injury Model. Acta Medica Iranica, 2016, 54, 345-51.	0.8	10
155	Dopamine Regulates the Expression of the Glutamate Transporter GLT1 but Not GLAST in Developing Striatal Astrocytes. Journal of Molecular Neuroscience, 2009, 39, 372-379.	1.1	9
156	G-Protein-Coupled Receptors and Ischemic Stroke: a Focus on Molecular Function and Therapeutic Potential. Molecular Neurobiology, 2021, 58, 4588-4614.	1.9	9
157	Fear and food: Anxietyâ€like behavior and the susceptibility to weight loss in an activityâ€based anorexia rat model. Clinical and Translational Science, 2022, 15, 889-898.	1.5	9
158	Early Formation of a GFAP-Positive Cell Population in the Ventricular Zone during Chicken Brain Development. Cells Tissues Organs, 2010, 191, 57-65.	1.3	8
159	Effects of different Sertoli cell types on the maintenance of adult spermatogonial stem cells in vitro. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 752-758.	0.7	8
160	The effect of female sex hormones on Hsp27 phosphorylation and histological changes in prefrontal cortex after tMCAO. Pathology Research and Practice, 2021, 221, 153415.	1.0	8
161	Expression and Cell Type-specific Localization of Inflammasome Sensors in the Spinal Cord of SOD1(G93A) Mice and Sporadic Amyotrophic lateral sclerosis Patients. Neuroscience, 2021, 463, 288-302.	1.1	8
162	Lipocalin 2 as a Putative Modulator of Local Inflammatory Processes in the Spinal Cord and Component of Organ Cross talk After Spinal Cord Injury. Molecular Neurobiology, 2021, 58, 5907-5919.	1.9	8

#	Article	IF	Citations
163	Highâ€level expression and purification of soluble bioactive recombinant human heparinâ€binding epidermal growth factor in Escherichia coli. Cell Biology International, 2015, 39, 858-864.	1.4	7
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