

Bernardo Castellano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8127431/publications.pdf>

Version: 2024-02-01

105
papers

4,384
citations

87723

38
h-index

123241

61
g-index

109
all docs

109
docs citations

109
times ranked

4889
citing authors

#	ARTICLE	IF	CITATIONS
1	Microglial and Astroglial Reactions to Ischemic and Kainic Acid-Induced Lesions of the Adult Rat Hippocampus. <i>Experimental Neurology</i> , 1993, 120, 70-88.	2.0	255
2	Neonatal handling and environmental enrichment effects on emotionality, novelty/reward seeking, and age-related cognitive and hippocampal impairments: focus on the Roman rat lines. <i>Behavior Genetics</i> , 1997, 27, 513-526.	1.4	189
3	Demonstration of poly-N-acetyl lactosamine residues in amoeboid and ramified microglial cells in rat brain by tomato lectin binding. <i>Journal of Histochemistry and Cytochemistry</i> , 1994, 42, 1033-1041.	1.3	183
4	Ontogeny of sensorimotor gating and immune impairment induced by prenatal immune challenge in rats: implications for the etiopathology of schizophrenia. <i>Molecular Psychiatry</i> , 2010, 15, 372-383.	4.1	151
5	Dynamics of microglia in the developing rat brain. <i>Journal of Comparative Neurology</i> , 2003, 458, 144-157.	0.9	148
6	Neuronal, astroglial and microglial cytokine expression after an excitotoxic lesion in the immature rat brain. <i>European Journal of Neuroscience</i> , 2000, 12, 3505-3520.	1.2	132
7	Neurobehavioral and Immunological Consequences of Prenatal Immune Activation in Rats. Influence of Antipsychotics. <i>Neuropsychopharmacology</i> , 2007, 32, 1791-1804.	2.8	130
8	Antigen presentation in EAE: role of microglia, macrophages and dendritic cells. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 1157.	3.0	126
9	Microglial and astroglial reactions to anterograde axonal degeneration: a histochemical and immunocytochemical study of the adult rat fascia dentata after entorhinal perforant path lesions. <i>Experimental Brain Research</i> , 1994, 98, 245-60.	0.7	118
10	Development of microglia in the postnatal rat hippocampus. , 1998, 8, 458-474.		110
11	Leukocyte infiltration and glial reactions in xenografts of mouse brain tissue undergoing rejection in the adult rat brain. A light and electron microscopical immunocytochemical study. <i>Journal of Neuroimmunology</i> , 1991, 32, 159-183.	1.1	105
12	Development of microglia in the prenatal rat hippocampus. <i>Journal of Comparative Neurology</i> , 1997, 377, 70-84.	0.9	85
13	Increased levels of proinflammatory cytokines in the aged rat brain attenuate injury-induced cytokine response after excitotoxic damage. <i>Journal of Neuroscience Research</i> , 2009, 87, 2484-2497.	1.3	80
14	Caspase-3 activation in astrocytes following postnatal excitotoxic damage correlates with cytoskeletal remodeling but not with cell death or proliferation. <i>Glia</i> , 2007, 55, 954-965.	2.5	79
15	Primary cortical glial reaction versus secondary thalamic glial response in the excitotoxically injured young brain: Astroglial response and metallothionein expression. <i>Neuroscience</i> , 1999, 92, 827-839.	1.1	77
16	Role of the CD200-CD200R Axis During Homeostasis and Neuroinflammation. <i>Neuroscience</i> , 2019, 405, 118-136.	1.1	76
17	A double staining technique for simultaneous demonstration of astrocytes and microglia in brain sections and astroglial cell cultures. <i>Journal of Histochemistry and Cytochemistry</i> , 1991, 39, 561-568.	1.3	74
18	Morphology and distribution of microglial cells in the young and adult mouse cerebellum. <i>Journal of Comparative Neurology</i> , 1995, 361, 602-616.	0.9	74

#	ARTICLE	IF	CITATIONS
19	Microglial response to N-methyl-D-aspartate-mediated excitotoxicity in the immature rat brain. <i>Journal of Comparative Neurology</i> , 1996, 367, 361-374.	0.9	66
20	STAT3 and NF κ B Activation Precedes Glial Reactivity in the Excitotoxically Injured Young Cortex but not in the Corresponding Distal Thalamic Nuclei. <i>Journal of Neuropathology and Experimental Neurology</i> , 2000, 59, 151-163.	0.9	62
21	Effect of zinc, copper and glucocorticoids on metallothionein levels of cultured neurons and astrocytes from rat brain. <i>Chemico-Biological Interactions</i> , 1994, 93, 197-219.	1.7	61
22	Increase in Th17 and T-reg Lymphocytes and Decrease of IL22 Correlate with the Recovery Phase of Acute EAE IN Rat. <i>PLoS ONE</i> , 2011, 6, e27473.	1.1	57
23	NF κ B and I β expression following traumatic brain injury to the immature rat brain. <i>Journal of Neuroscience Research</i> , 2002, 67, 772-780.	1.3	56
24	Astrocyte-targeted production of IL β induces changes in microglial reactivity and reduces motor neuron death after facial nerve axotomy. <i>Glia</i> , 2015, 63, 1166-1184.	2.5	56
25	Astrocyte-targeted production of interleukin-6 reduces astroglial and microglial activation in the cuprizone demyelination model: Implications for myelin clearance and oligodendrocyte maturation. <i>Glia</i> , 2016, 64, 2104-2119.	2.5	56
26	Primary cortical glial reaction versus secondary thalamic glial response in the excitotoxically injured young brain: Microglial/macrophage response and major histocompatibility complex class I and II expression. <i>Neuroscience</i> , 1999, 89, 549-565.	1.1	49
27	Expression of inducible nitric oxide synthase and cyclooxygenase-2 after excitotoxic damage to the immature rat brain. <i>Journal of Neuroscience Research</i> , 2002, 68, 745-754.	1.3	49
28	Immunotoxic depletion of microglia in mouse hippocampal slice cultures enhances ischemia-like neurodegeneration. <i>Brain Research</i> , 2009, 1291, 140-152.	1.1	48
29	Activated microglial cells acquire an immature dendritic cell phenotype and may terminate the immune response in an acute model of EAE. <i>Journal of Neuroimmunology</i> , 2010, 223, 39-54.	1.1	48
30	TNF gene cluster deletion abolishes lipopolysaccharide-mediated sensitization of the neonatal brain to hypoxic ischemic insult. <i>Laboratory Investigation</i> , 2011, 91, 328-341.	1.7	48
31	Alterations in microglial phenotype and hippocampal neuronal function in transgenic mice with astrocyte-targeted production of interleukin-10. <i>Brain, Behavior, and Immunity</i> , 2015, 45, 80-97.	2.0	48
32	CD4 microglial expression correlates with spontaneous clinical improvement in the acute Lewis rat EAE model. <i>Journal of Neuroimmunology</i> , 2009, 209, 65-80.	1.1	45
33	The microglial reaction in spinal cords of jimpy mice is related to apoptotic oligodendrocytes. <i>Brain Research</i> , 1996, 712, 134-142.	1.1	42
34	Triflusal Posttreatment Inhibits Glial Nuclear Factor κ B, Downregulates the Glial Response, and Is Neuroprotective in an Excitotoxic Injury Model in Postnatal Brain. <i>Stroke</i> , 2001, 32, 2394-2402.	1.0	41
35	Interleukin-10 and Interleukin receptor-1 Are Upregulated in Glial Cells After an Excitotoxic Injury to the Postnatal Rat Brain. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 391-403.	0.9	41
36	Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage. <i>Stroke</i> , 2002, 33, 2499-2505.	1.0	40

#	ARTICLE	IF	CITATIONS
37	Temporal Expression of Cytokines and Signal Transducer and Activator of Transcription Factor 3 Activation after Neonatal Hypoxia/Ischemia in Mice. <i>Developmental Neuroscience</i> , 2013, 35, 212-225.	1.0	40
38	Expression of Growth Inhibitory Factor (Metallothionein-III) mRNA and Protein Following Excitotoxic Immature Brain Injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 389-397.	0.9	39
39	Proliferation dynamics of germinative zone cells in the intact and excitotoxically lesioned postnatal rat brain. <i>BMC Neuroscience</i> , 2005, 6, 26.	0.8	39
40	Time Course of Proliferation and Elimination of Microglia/Macrophages in Different Neurodegenerative Conditions. <i>Journal of Neurotrauma</i> , 2002, 19, 1503-1520.	1.7	38
41	Cu/Zn superoxide dismutase expression in the postnatal rat brain following an excitotoxic injury. <i>Journal of Neuroinflammation</i> , 2005, 2, 12.	3.1	37
42	Quantitative Analysis of Microglial Reaction to a Cortical Excitotoxic Lesion in the Early Postnatal Brain. <i>Experimental Neurology</i> , 1997, 147, 410-417.	2.0	36
43	Glial expression of small heat shock proteins following an excitotoxic lesion in the immature rat brain. <i>Glia</i> , 2002, 38, 1-14.	2.5	36
44	Immobilized cells: behaviour of carrageenan entrapped yeast during continuous ethanol fermentation. <i>Applied Microbiology and Biotechnology</i> , 1987, 26, 342.	1.7	35
45	Expression of purine metabolism-related enzymes by microglial cells in the developing rat brain. , 1998, 398, 333-346.		35
46	Effects of astrocyte-targeted production of interleukin-6 in the mouse on the host response to nerve injury. <i>Glia</i> , 2014, 62, 1142-1161.	2.5	34
47	Induction of metallothionein in astrocytes and microglia in the spinal cord from the myelin-deficient jimpy mouse. <i>Brain Research</i> , 1997, 767, 345-355.	1.1	32
48	Neuroprotection from NMDA excitotoxic lesion by Cu/Zn superoxide dismutase gene delivery to the postnatal rat brain by a modular protein vector. <i>BMC Neuroscience</i> , 2006, 7, 35.	0.8	32
49	Substantial migration of SVZ cells to the cortex results in the generation of new neurons in the excitotoxically damaged immature rat brain. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 170-182.	1.0	32
50	Survivin and heat shock protein 25/27 colocalize with cleaved caspase-3 in surviving reactive astrocytes following excitotoxicity to the immature brain. <i>Neuroscience</i> , 2008, 153, 108-119.	1.1	32
51	Expression of LFA-1 and ICAM-1 in the developing rat brain: a potential mechanism for the recruitment of microglial cell precursors. <i>Developmental Brain Research</i> , 1997, 103, 163-170.	2.1	31
52	Identification and distribution of microglial cells in the cerebral cortex of the lizard: A histochemical study. <i>Journal of Comparative Neurology</i> , 1991, 311, 434-444.	0.9	30
53	Distinct pattern of microglial response, cyclooxygenase-2, and inducible nitric oxide synthase expression in the aged rat brain after excitotoxic damage. <i>Journal of Neuroscience Research</i> , 2008, 86, 3170-3183.	1.3	30
54	Short and Long-Term Analysis and Comparison of Neurodegeneration and Inflammatory Cell Response in the Ipsilateral and Contralateral Hemisphere of the Neonatal Mouse Brain after Hypoxia/Ischemia. <i>Neurology Research International</i> , 2012, 2012, 1-28.	0.5	30

#	ARTICLE	IF	CITATIONS
55	Tomato Lectin Histochemistry for Microglial Visualization. <i>Methods in Molecular Biology</i> , 2013, 1041, 261-279.	0.4	29
56	Understanding glial abnormalities associated with myelin deficiency in the jimpy mutant mouse. <i>Brain Research Reviews</i> , 1998, 26, 29-42.	9.1	28
57	Astroglial Nitration after Postnatal Excitotoxic Damage: Correlation with Nitric Oxide Sources, Cytoskeletal, Apoptotic and Antioxidant Proteins. <i>Journal of Neurotrauma</i> , 2005, 22, 189-200.	1.7	27
58	Delayed neurodegeneration and early astrogliosis after excitotoxicity to the aged brain. <i>Experimental Gerontology</i> , 2007, 42, 343-354.	1.2	27
59	The role of interleukin-6 in central nervous system demyelination. <i>Neural Regeneration Research</i> , 2016, 11, 1922.	1.6	26
60	Neonatal treatment with monosodium glutamate lastingly facilitates spreading depression in the rat cortex. <i>Life Sciences</i> , 2013, 93, 388-392.	2.0	24
61	Astrocyte-targeted IL-10 production decreases proliferation and induces a downregulation of activated microglia/macrophages after PPT. <i>Glia</i> , 2019, 67, 741-758.	2.5	24
62	Nonviral Gene Delivery to the Central Nervous System Based on a Novel Integrin-Targeting Multifunctional Protein. <i>Human Gene Therapy</i> , 2003, 14, 1215-1223.	1.4	23
63	Are Microglial Cells the Regulators of Lymphocyte Responses in the CNS?. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 440.	1.8	23
64	Oral administration of the anti-inflammatory substance triflusal results in the downregulation of constitutive transcription factor NF- κ B in the postnatal rat brain. <i>Neuroscience Letters</i> , 2000, 288, 41-44.	1.0	22
65	Histochemical demonstration of purine nucleoside phosphorylase (PNPase) in microglial and astroglial cells of adult rat brain.. <i>Journal of Histochemistry and Cytochemistry</i> , 1990, 38, 1535-1539.	1.3	21
66	Chronic exposure to IL-6 induces a desensitized phenotype of the microglia. <i>Journal of Neuroinflammation</i> , 2021, 18, 31.	3.1	21
67	Stat3 and NF- κ B glial expression after excitotoxic damage to the postnatal brain. <i>NeuroReport</i> , 1998, 9, 2869-2873.	0.6	20
68	Spreading depression features and Iba1 immunoreactivity in the cerebral cortex of developing rats submitted to treadmill exercise after treatment with monosodium glutamate. <i>International Journal of Developmental Neuroscience</i> , 2014, 33, 98-105.	0.7	20
69	Transitory disappearance of microglia during the regeneration of the lizard medial cortex. <i>Glia</i> , 1994, 12, 52-61.	2.5	19
70	Microglial cell reaction in the gray and white matter in spinal cords from jimpy mice. An enzyme histochemical study at the light and electron microscope level. <i>Brain Research</i> , 1995, 694, 287-298.	1.1	19
71	Purine Signaling and Microglial Wrapping. <i>Advances in Experimental Medicine and Biology</i> , 2016, 949, 147-165.	0.8	19
72	Glial activation in the immature rat brain: implication of inflammatory transcription factors and cytokine expression. <i>Progress in Brain Research</i> , 2001, 132, 375-389.	0.9	18

#	ARTICLE	IF	CITATIONS
73	RGD domains neuroprotect the immature brain by a glial-dependent mechanism. <i>Annals of Neurology</i> , 2007, 62, 251-261.	2.8	18
74	Distinct spatial and temporal activation of caspase pathways in neurons and glial cells after excitotoxic damage to the immature rat brain. <i>Journal of Neuroscience Research</i> , 2007, 85, 3545-3556.	1.3	18
75	Reduced cuprizone-induced cerebellar demyelination in mice with astrocyte-targeted production of IL-6 is associated with chronically activated, but less responsive microglia. <i>Journal of Neuroimmunology</i> , 2017, 310, 97-102.	1.1	18
76	Abnormal expression of the proliferating cell nuclear antigen (PCNA) in the spinal cord of the hypomyelinated jimpy mutant mice. <i>Brain Research</i> , 1997, 747, 130-139.	1.1	16
77	Decreased myeloperoxidase expressing cells in the aged rat brain after excitotoxic damage. <i>Experimental Gerontology</i> , 2011, 46, 723-730.	1.2	16
78	Expression of 27 kDa heat shock protein (Hsp27) in immature rat brain after a cortical aspiration lesion. <i>Glia</i> , 2001, 36, 259-270.	2.5	14
79	Antioxidant Cu/Zn SOD: Expression in postnatal brain progenitor cells. <i>Neuroscience Letters</i> , 2006, 401, 71-76.	1.0	13
80	Immunological reactions to neural grafts in the central nervous system. <i>Restorative Neurology and Neuroscience</i> , 1991, 2, 271-282.	0.4	12
81	Neuroprotective effects of the anti-inflammatory compound triflusal on ischemia-like neurodegeneration in mouse hippocampal slice cultures occur independent of microglia. <i>Experimental Neurology</i> , 2009, 218, 11-23.	2.0	12
82	Differential Roles of TREM2+ Microglia in Anterograde and Retrograde Axonal Injury Models. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 567404.	1.8	12
83	Electrophysiological evaluation of spinal reflexes during epidural anesthesia in an experimental model. , 1996, 19, 29-36.		10
84	Chronic IL-10 overproduction disrupts microglia-neuron dialogue similar to aging, resulting in impaired hippocampal neurogenesis and spatial memory. <i>Brain, Behavior, and Immunity</i> , 2022, 101, 231-245.	2.0	10
85	Astrocyte-targeted Overproduction of IL-10 Reduces Neurodegeneration after TBI. <i>Experimental Neurobiology</i> , 2022, 31, 173-195.	0.7	10
86	Cytochemical demonstration of TPPase in myelinated fibers in the central and peripheral nervous system of the rat. <i>Brain Research</i> , 1989, 492, 203-210.	1.1	9
87	Prolongation of Nerve and Epidural Anesthetic Blockade by Bupivacaine in a Lipid Emulsion. <i>Anesthesia and Analgesia</i> , 1999, 89, 121-127.	1.1	9
88	Reduction of the microglial cell number in rat primary glial cell cultures by exogenous addition of dibutyryl cyclic adenosine monophosphate. <i>Journal of Neuroimmunology</i> , 1996, 70, 123-129.	1.1	7
89	Specific microglial phagocytic phenotype and decrease of lipid oxidation in white matter areas during aging: Implications of different microenvironments. <i>Neurobiology of Aging</i> , 2021, 105, 280-295.	1.5	7
90	TRPV2: A Key Player in Myelination Disorders of the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3617.	1.8	7

#	ARTICLE	IF	CITATIONS
91	Microglia Detection by Enzymatic Histochemistry. <i>Methods in Molecular Biology</i> , 2013, 1041, 243-259.	0.4	6
92	Brain effects of the lectin from <i>Canavalia ensiformis</i> in adult rats previously suckled in favorable and unfavorable conditions: A spreading depression and microglia immunolabeling study. <i>Nutritional Neuroscience</i> , 2015, 18, 307-315.	1.5	5
93	Understanding Glial Cells. , 1998, , .		5
94	Interleukin-10 overexpression does not synergize with the neuroprotective action of RGD-containing vectors after postnatal brain excitotoxicity but modulates the main inflammatory cell responses. <i>Journal of Neuroscience Research</i> , 2012, 90, 143-159.	1.3	4
95	Evaluation of Myelin Phagocytosis by Microglia/Macrophages in Nervous Tissue Using Flow Cytometry. <i>Current Protocols</i> , 2021, 1, e73.	1.3	3
96	Glial Response to Excitotoxic Injury in the Immature Rat Brain. , 1998, , 271-295.		3
97	Prolongation of Nerve and Epidural Anesthetic Blockade by Bupivacaine in a Lipid Emulsion. <i>Anesthesia and Analgesia</i> , 1999, 89, 121-127.	1.1	2
98	CNS-targeted IL-6 production leads to higher recruitment of pro-inflammatory T-helper cells after facial nerve axotomy. <i>Journal of Neuroimmunology</i> , 2014, 275, 177.	1.1	1
99	Glial Abnormalities in Genetically Determined Disorders of Myelin. , 1998, , 363-384.		1
100	Glial reactions to brain injury and neural transplantation. <i>Journal of Neuroimmunology</i> , 1991, 35, 20.	1.1	0
101	285. <i>Cytokine</i> , 2013, 63, 311.	1.4	0
102	Role of TREM2 and CD200R in modulating microglial response in astrocyte targeted IL10Tg mice following perforant pathway transection.. <i>Journal of Neuroimmunology</i> , 2014, 275, 92.	1.1	0
103	Changes in microglial proliferation rate in GFAP-IL10Tg mice following perforant pathway transection. <i>Journal of Neuroimmunology</i> , 2014, 275, 170.	1.1	0
104	Transgenic mice with astrocyte-targeted IL-10 production in the CNS presented a specific phenotype of microglia that correlates with changes in the hippocampal neuronal function. <i>Journal of Neuroimmunology</i> , 2014, 275, 134.	1.1	0
105	Expression of Growth Inhibitory Factor (Metallothionein-III) mRNA and Protein Following Excitotoxic Immature Brain Injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 0, , .	0.9	0