Bernardo Castellano

List of Publications by Year in Descending Order

96 papers	3,681 citations	34 h-index	57 g-index
109 ext. papers	4,000 ext. citations	4.7 avg, IF	4.94 L-index

#	Paper	IF	Citations
96	Chronic IL-10 overproduction disrupts microglia-neuron dialogue similar to aging, resulting in impaired hippocampal neurogenesis and spatial memory.. *Brain, Behavior, and Immunity*, **2022**, 101, 231-245	16.6	1
95	Chronic exposure to IL-6 induces a desensitized phenotype of the microglia. *Journal of Neuroinflammation*, **2021**, 18, 31	10.1	7
94	Evaluation of Myelin Phagocytosis by Microglia/Macrophages in Nervous Tissue Using Flow Cytometry. *Current Protocols*, **2021**, 1, e73		2
93	Specific microglial phagocytic phenotype and decrease of lipid oxidation in white matter areas during aging: Implications of different microenvironments. *Neurobiology of Aging*, **2021**, 105, 280-295	5.6	1
92	Differential Roles of TREM2+ Microglia in Anterograde and Retrograde Axonal Injury Models. *Frontiers in Cellular Neuroscience*, **2020**, 14, 567404	6.1	3
91	Role of the CD200-CD200R Axis During Homeostasis and Neuroinflammation. *Neuroscience*, **2019**, 405, 118-136	3.9	43
90	Astrocyte-targeted IL-10 production decreases proliferation and induces a downregulation of activated microglia/macrophages after PPT. *Glia*, **2019**, 67, 741-758	9	8
89	Reduced cuprizone-induced cerebellar demyelination in mice with astrocyte-targeted production of IL-6 is associated with chronically activated, but less responsive microglia. *Journal of Neuroimmunology*, **2017**, 310, 97-102	3.5	12
88	Astrocyte-targeted production of interleukin-6 reduces astroglial and microglial activation in the cuprizone demyelination model: Implications for myelin clearance and oligodendrocyte maturation. *Glia*, **2016**, 64, 2104-2119	9	30
87	The role of interleukin-6 in central nervous system demyelination. *Neural Regeneration Research*, **2016**, 11, 1922-1923	4.5	19
86	Purine Signaling and Microglial Wrapping. *Advances in Experimental Medicine and Biology*, **2016**, 949, 147-165	3.6	13
85	Brain effects of the lectin from Canavalia ensiformis in adult rats previously suckled in favorable and unfavorable conditions: A spreading depression and microglia immunolabeling study. *Nutritional Neuroscience*, **2015**, 18, 307-15	3.6	5
84	Astrocyte-targeted production of IL-10 induces changes in microglial reactivity and reduces motor neuron death after facial nerve axotomy. *Glia*, **2015**, 63, 1166-84	9	33
83	Alterations in microglial phenotype and hippocampal neuronal function in transgenic mice with astrocyte-targeted production of interleukin-10. *Brain, Behavior, and Immunity*, **2015**, 45, 80-97	16.6	33
82	Are Microglial Cells the Regulators of Lymphocyte Responses in the CNS?. *Frontiers in Cellular Neuroscience*, **2015**, 9, 440	6.1	16
81	Spreading depression features and Iba1 immunoreactivity in the cerebral cortex of developing rats submitted to treadmill exercise after treatment with monosodium glutamate. *International Journal of Developmental Neuroscience*, **2014**, 33, 98-105	2.7	15
80	Effects of astrocyte-targeted production of interleukin-6 in the mouse on the host response to nerve injury. *Glia*, **2014**, 62, 1142-61	9	27

79	Tomato lectin histochemistry for microglial visualization. *Methods in Molecular Biology*, **2013**, 1041, 261-79	1.4	21
78	Microglia detection by enzymatic histochemistry. *Methods in Molecular Biology*, **2013**, 1041, 243-59	1.4	5
77	Neonatal treatment with monosodium glutamate lastingly facilitates spreading depression in the rat cortex. *Life Sciences*, **2013**, 93, 388-92	6.8	20
76	Temporal expression of cytokines and signal transducer and activator of transcription factor 3 activation after neonatal hypoxia/ischemia in mice. *Developmental Neuroscience*, **2013**, 35, 212-25	2.2	34
75	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. *Journal of Neuroscience Research*, **2012**, 90, 143-59	4.4	3
74	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. *Neurology Research International*, **2012**, 2012, 781512	1.7	26
73	Formaci□ en medicina no convencional en el plan de estudios del grado de medicina de la Universidad Aut□oma de Barcelona. *Revista Internacional De Acupuntura*, **2011**, 5, 68-71	0.1	1
72	Antigen presentation in EAE: role of microglia, macrophages and dendritic cells. *Frontiers in Bioscience - Landmark*, **2011**, 16, 1157-71	2.8	95
71	Increase in Th17 and T-reg lymphocytes and decrease of IL22 correlate with the recovery phase of acute EAE in rat. *PLoS ONE*, **2011**, 6, e27473	3.7	42
70	TNF gene cluster deletion abolishes lipopolysaccharide-mediated sensitization of the neonatal brain to hypoxic ischemic insult. *Laboratory Investigation*, **2011**, 91, 328-41	5.9	42
69	Decreased myeloperoxidase expressing cells in the aged rat brain after excitotoxic damage. *Experimental Gerontology*, **2011**, 46, 723-30	4.5	13
68	Ontogeny of sensorimotor gating and immune impairment induced by prenatal immune challenge in rats: implications for the etiopathology of schizophrenia. *Molecular Psychiatry*, **2010**, 15, 372-83	15.1	125
67	Activated microglial cells acquire an immature dendritic cell phenotype and may terminate the immune response in an acute model of EAE. *Journal of Neuroimmunology*, **2010**, 223, 39-54	3.5	41
66	Interleukin-10 and interleukin-10 receptor-I are upregulated in glial cells after an excitotoxic injury to the postnatal rat brain. *Journal of Neuropathology and Experimental Neurology*, **2009**, 68, 391-403	3.1	36
65	CD4 microglial expression correlates with spontaneous clinical improvement in the acute Lewis rat EAE model. *Journal of Neuroimmunology*, **2009**, 209, 65-80	3.5	36
64	Immunotoxic depletion of microglia in mouse hippocampal slice cultures enhances ischemia-like neurodegeneration. *Brain Research*, **2009**, 1291, 140-52	3.7	42
63	Increased levels of proinflammatory cytokines in the aged rat brain attenuate injury-induced cytokine response after excitotoxic damage. *Journal of Neuroscience Research*, **2009**, 87, 2484-97	4.4	69
62	Neuroprotective effects of the anti-inflammatory compound triflusal on ischemia-like neurodegeneration in mouse hippocampal slice cultures occur independent of microglia. *Experimental Neurology*, **2009**, 218, 11-23	5.7	12

61	Substantial migration of SVZ cells to the cortex results in the generation of new neurons in the excitotoxically damaged immature rat brain. *Molecular and Cellular Neurosciences*, **2008**, 38, 170-82	4.8	26
60	Survivin and heat shock protein 25/27 colocalize with cleaved caspase-3 in surviving reactive astrocytes following excitotoxicity to the immature brain. *Neuroscience*, **2008**, 153, 108-19	3.9	28
59	Distinct pattern of microglial response, cyclooxygenase-2, and inducible nitric oxide synthase expression in the aged rat brain after excitotoxic damage. *Journal of Neuroscience Research*, **2008**, 86, 3170-83	4.4	28
58	RGD domains neuroprotect the immature brain by a glial-dependent mechanism. *Annals of Neurology*, **2007**, 62, 251-61	9.4	15
57	Caspase-3 activation in astrocytes following postnatal excitotoxic damage correlates with cytoskeletal remodeling but not with cell death or proliferation. *Glia*, **2007**, 55, 954-65	9	66
56	Distinct spatial and temporal activation of caspase pathways in neurons and glial cells after excitotoxic damage to the immature rat brain. *Journal of Neuroscience Research*, **2007**, 85, 3545-56	4.4	18
55	Delayed neurodegeneration and early astrogliosis after excitotoxicity to the aged brain. *Experimental Gerontology*, **2007**, 42, 343-54	4.5	26
54	Neurobehavioral and immunological consequences of prenatal immune activation in rats. Influence of antipsychotics. *Neuropsychopharmacology*, **2007**, 32, 1791-804	8.7	112
53	Neuroprotection from NMDA excitotoxic lesion by Cu/Zn superoxide dismutase gene delivery to the postnatal rat brain by a modular protein vector. *BMC Neuroscience*, **2006**, 7, 35	3.2	26
52	Antioxidant Cu/Zn SOD: expression in postnatal brain progenitor cells. *Neuroscience Letters*, **2006**, 401, 71-6	3.3	10
51	Cu/Zn superoxide dismutase expression in the postnatal rat brain following an excitotoxic injury. *Journal of Neuroinflammation*, **2005**, 2, 12	10.1	31
50	Proliferation dynamics of germinative zone cells in the intact and excitotoxically lesioned postnatal rat brain. *BMC Neuroscience*, **2005**, 6, 26	3.2	31
49	Astroglial nitration after postnatal excitotoxic damage: correlation with nitric oxide sources, cytoskeletal, apoptotic and antioxidant proteins. *Journal of Neurotrauma*, **2005**, 22, 189-200	5.4	26
48	Dynamics of microglia in the developing rat brain. *Journal of Comparative Neurology*, **2003**, 458, 144-57	3.4	119
47	Nonviral gene delivery to the central nervous system based on a novel integrin-targeting multifunctional protein. *Human Gene Therapy*, **2003**, 14, 1215-23	4.8	20
46	NF-kappaB and IkappaBalpha expression following traumatic brain injury to the immature rat brain. *Journal of Neuroscience Research*, **2002**, 67, 772-80	4.4	49
45	Expression of inducible nitric oxide synthase and cyclooxygenase-2 after excitotoxic damage to the immature rat brain. *Journal of Neuroscience Research*, **2002**, 68, 745-54	4.4	44
44	Glial expression of small heat shock proteins following an excitotoxic lesion in the immature rat brain. *Glia*, **2002**, 38, 1-14	9	33

43	Time course of proliferation and elimination of microglia/macrophages in different neurodegenerative conditions. *Journal of Neurotrauma*, **2002**, 19, 1503-20	5.4	34
42	Decrease of proinflammatory molecules correlates with neuroprotective effect of the fluorinated salicylate triflusal after postnatal excitotoxic damage. *Stroke*, **2002**, 33, 2499-505	6.7	39
41	Triflusal posttreatment inhibits glial nuclear factor-kappaB, downregulates the glial response, and is neuroprotective in an excitotoxic injury model in postnatal brain. *Stroke*, **2001**, 32, 2394-402	6.7	41
40	Expression of 27 kDa heat shock protein (Hsp27) in immature rat brain after a cortical aspiration lesion. *Glia*, **2001**, 36, 259-70	9	14
39	Glial activation in the immature rat brain: implication of inflammatory transcription factors and cytokine expression. *Progress in Brain Research*, **2001**, 132, 375-89	2.9	17
38	STAT3 and NFkappaB activation precedes glial reactivity in the excitotoxically injured young cortex but not in the corresponding distal thalamic nuclei. *Journal of Neuropathology and Experimental Neurology*, **2000**, 59, 151-63	3.1	56
37	Neuronal, astroglial and microglial cytokine expression after an excitotoxic lesion in the immature rat brain. *European Journal of Neuroscience*, **2000**, 12, 3505-20	3.5	116
36	Oral administration of the anti-inflammatory substance triflusal results in the downregulation of constitutive transcription factor NF-kappaB in the postnatal rat brain. *Neuroscience Letters*, **2000**, 288, 41-4	3.3	22
35	Prolongation of nerve and epidural anesthetic blockade by bupivacaine in a lipid emulsion. *Anesthesia and Analgesia*, **1999**, 89, 121-7	3.9	1
34	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. *Neuroscience*, **1999**, 89, 549-65	3.9	47
33	Primary cortical glial reaction versus secondary thalamic glial response in the excitotoxically injured young brain: astroglial response and metallothionein expression. *Neuroscience*, **1999**, 92, 827-39	3.9	74
32	Expression of growth inhibitory factor (metallothionein-III) mRNA and protein following excitotoxic immature brain injury. *Journal of Neuropathology and Experimental Neurology*, **1999**, 58, 389-97	3.1	37
31	Prolongation of Nerve and Epidural Anesthetic Blockade by Bupivacaine in a Lipid Emulsion. *Anesthesia and Analgesia*, **1999**, 89, 121-127	3.9	7
30	Expression of purine metabolism-related enzymes by microglial cells in the developing rat brain. *Journal of Comparative Neurology*, **1998**, 398, 333-46	3.4	29
29	Development of microglia in the postnatal rat hippocampus. *Hippocampus*, **1998**, 8, 458-74	3.5	102
28	Understanding glial abnormalities associated with myelin deficiency in the jimpy mutant mouse. *Brain Research Reviews*, **1998**, 26, 29-42		25
27	Stat3 and NFkappaB glial expression after excitotoxic damage to the postnatal brain. *NeuroReport*, **1998**, 9, 2869-73	1.7	18
26	Glial Response to Excitotoxic Injury in the Immature Rat Brain **1998**, 271-295		3

25	Glial Abnormalities in Genetically Determined Disorders of Myelin **1998**, 363-384		1
24	Quantitative analysis of microglial reaction to a cortical excitotoxic lesion in the early postnatal brain. *Experimental Neurology*, **1997**, 147, 410-7	5.7	28
23	Abnormal expression of the proliferating cell nuclear antigen (PCNA) in the spinal cord of the hypomyelinated Jimpy mutant mice. *Brain Research*, **1997**, 747, 130-9	3.7	16
22	Induction of metallothionein in astrocytes and microglia in the spinal cord from the myelin-deficient jimpy mouse. *Brain Research*, **1997**, 767, 345-55	3.7	30
21	Expression of LFA-1alpha and ICAM-1 in the developing rat brain: a potential mechanism for the recruitment of microglial cell precursors. *Developmental Brain Research*, **1997**, 103, 163-70		31
20	Neonatal handling and environmental enrichment effects on emotionality, novelty/reward seeking, and age-related cognitive and hippocampal impairments: focus on the Roman rat lines. *Behavior Genetics*, **1997**, 27, 513-26	3.2	145
19	Development of microglia in the prenatal rat hippocampus. *Journal of Comparative Neurology*, **1997** , 377, 70-84	3.4	75
18	Reduction of the microglial cell number in rat primary glial cell cultures by exogenous addition of dibutyryl cyclic adenosine monophosphate. *Journal of Neuroimmunology*, **1996**, 70, 123-9	3.5	6
17	The microglial reaction in spinal cords of jimpy mice is related to apoptotic oligodendrocytes. *Brain Research*, **1996**, 712, 134-42	3.7	40
16	Microglial response to N-methyl-D-aspartate-mediated excitotoxicity in the immature rat brain. *Journal of Comparative Neurology*, **1996**, 367, 361-74	3.4	65
15	Electrophysiological evaluation of spinal reflexes during epidural anesthesia in an experimental model. *Muscle and Nerve*, **1996**, 19, 29-36	3.4	8
14	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. *Brain Research*, **1995**, 694, 287-98	3.7	19
13	Morphology and distribution of microglial cells in the young and adult mouse cerebellum. *Journal of Comparative Neurology*, **1995**, 361, 602-16	3.4	56
12	Demonstration of poly-N-acetyl lactosamine residues in ameboid and ramified microglial cells in rat brain by tomato lectin binding. *Journal of Histochemistry and Cytochemistry*, **1994**, 42, 1033-41	3.4	168
11	Microglial and astroglial reactions to anterograde axonal degeneration: a histochemical and immunocytochemical study of the adult rat fascia dentata after entorhinal perforant path lesions. *Experimental Brain Research*, **1994**, 98, 245-60	2.3	111
10	Transitory disappearance of microglia during the regeneration of the lizard medial cortex. *Glia*, **1994**, 12, 52-61	9	17
9	Effect of zinc, copper and glucocorticoids on metallothionein levels of cultured neurons and astrocytes from rat brain. *Chemico-Biological Interactions*, **1994**, 93, 197-219	5	57
8	Microglial and astroglial reactions to ischemic and kainic acid-induced lesions of the adult rat hippocampus. *Experimental Neurology*, **1993**, 120, 70-88	5.7	229

7	Immunological reactions to neural grafts in the central nervous system. *Restorative Neurology and Neuroscience*, **1991**, 2, 271-82	2.8	10
6	Identification and distribution of microglial cells in the cerebral cortex of the lizard: a histochemical study. *Journal of Comparative Neurology*, **1991**, 311, 434-44	3.4	28
5	A double staining technique for simultaneous demonstration of astrocytes and microglia in brain sections and astroglial cell cultures. *Journal of Histochemistry and Cytochemistry*, **1991**, 39, 561-8	3.4	69
4	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. *Journal of Neuroimmunology*, **1991**, 32, 159-83	3.5	95
3	Histochemical demonstration of purine nucleoside phosphorylase (PNPase) in microglial and astroglial cells of adult rat brain. *Journal of Histochemistry and Cytochemistry*, **1990**, 38, 1535-9	3.4	18
2	Cytochemical demonstration of TPPase in myelinated fibers in the central and peripheral nervous system of the rat. *Brain Research*, **1989**, 492, 203-10	3.7	6
1	Immobilized cells: behaviour of carrageenan entrapped yeast during continuous ethanol fermentation. *Applied Microbiology and Biotechnology*, **1987**, 26, 342	5.7	28