

# Berta González

## List of Publications by Year in descending order

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72  
papers

2,494  
citations

147801

31  
h-index

214800

47  
g-index

73  
all docs

73  
docs citations

73  
times ranked

3128  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of microglia in the developing rat brain. <i>Journal of Comparative Neurology</i> , 2003, 458, 144-157.	1.6	148
2	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.	2.6	132
3	Antigen presentation in EAE: role of microglia, macrophages and dendritic cells. <i>Frontiers in Bioscience - Landmark</i> , 2011, 16, 1157.	3.0	126
4	Development of microglia in the postnatal rat hippocampus. <i>Hippocampus</i> , 1998, 8, 458-474.	1.9	110
5	Development of microglia in the prenatal rat hippocampus. <i>Journal of Comparative Neurology</i> , 1997, 377, 70-84.	1.6	85
6	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.	4.9	79
7	Role of the CD200-CD200R Axis During Homeostasis and Neuroinflammation. <i>Neuroscience</i> , 2019, 405, 118-136.	2.3	76
8	Morphology and distribution of microglial cells in the young and adult mouse cerebellum. <i>Journal of Comparative Neurology</i> , 1995, 361, 602-616.	1.6	74
9	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.	4.0	61
10	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.	2.5	57
11	NF- $\kappa$ B and I $\beta$ expression following traumatic brain injury to the immature rat brain. <i>Journal of Neuroscience Research</i> , 2002, 67, 772-780.	2.9	56
12	Astrocyte-targeted production of IL-10 induces changes in microglial reactivity and reduces motor neuron death after facial nerve axotomy. <i>Glia</i> , 2015, 63, 1166-1184.	4.9	56
13	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.	4.9	56
14	Localization of Metallothionein-I and -III Expression in the CNS of Transgenic Mice with Astrocyte-Targeted Expression of Interleukin 6. <i>Experimental Neurology</i> , 1998, 153, 184-194.	4.1	49
15	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.	2.9	49
16	Immunotoxic depletion of microglia in mouse hippocampal slice cultures enhances ischemia-like neurodegeneration. <i>Brain Research</i> , 2009, 1291, 140-152.	2.2	48
17	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.	2.3	48
18	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.	4.1	48

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19	CD4 microglial expression correlates with spontaneous clinical improvement in the acute Lewis rat EAE model. <i>Journal of Neuroimmunology</i> , 2009, 209, 65-80.	2.3	45
20	The microglial reaction in spinal cords of jimpy mice is related to apoptotic oligodendrocytes. <i>Brain Research</i> , 1996, 712, 134-142.	2.2	42
21	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.	1.7	41
22	Decrease of Proinflammatory Molecules Correlates With Neuroprotective Effect of the Fluorinated Salicylate Triflusal After Postnatal Excitotoxic Damage. <i>Stroke</i> , 2002, 33, 2499-2505.	2.0	40
23	Differential Modulation of TREM2 Protein during Postnatal Brain Development in Mice. <i>PLoS ONE</i> , 2013, 8, e72083.	2.5	40
24	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.	1.7	39
25	Proliferation dynamics of germinative zone cells in the intact and excitotoxically lesioned postnatal rat brain. <i>BMC Neuroscience</i> , 2005, 6, 26.	1.9	39
26	Time Course of Proliferation and Elimination of Microglia/Macrophages in Different Neurodegenerative Conditions. <i>Journal of Neurotrauma</i> , 2002, 19, 1503-1520.	3.4	38
27	Cu/Zn superoxide dismutase expression in the postnatal rat brain following an excitotoxic injury. <i>Journal of Neuroinflammation</i> , 2005, 2, 12.	7.2	37
28	Quantitative Analysis of Microglial Reaction to a Cortical Excitotoxic Lesion in the Early Postnatal Brain. <i>Experimental Neurology</i> , 1997, 147, 410-417.	4.1	36
29	Glial expression of small heat shock proteins following an excitotoxic lesion in the immature rat brain. <i>Glia</i> , 2002, 38, 1-14.	4.9	36
30	Expression of purine metabolism-related enzymes by microglial cells in the developing rat brain. , 1998, 398, 333-346.		35
31	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.	4.9	34
32	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.	2.2	32
33	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.	1.9	32
34	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.	2.2	32
35	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.	1.7	31
36	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.	1.6	30

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37	Tomato Lectin Histochemistry for Microglial Visualization. <i>Methods in Molecular Biology</i> , 2013, 1041, 261-279.	0.9	29
38	Understanding glial abnormalities associated with myelin deficiency in the jimpy mutant mouse. <i>Brain Research Reviews</i> , 1998, 26, 29-42.	9.0	28
39	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.	3.4	27
40	Astrocyte-targeted IL-10 production decreases proliferation and induces a downregulation of activated microglia/macrophages after PPT. <i>Glia</i> , 2019, 67, 741-758.	4.9	24
41	Are Microglial Cells the Regulators of Lymphocyte Responses in the CNS?. <i>Frontiers in Cellular Neuroscience</i> , 2015, 9, 440.	3.7	23
42	Oral administration of the anti-inflammatory substance triflusal results in the downregulation of constitutive transcription factor NF- $\kappa$ B in the postnatal rat brain. <i>Neuroscience Letters</i> , 2000, 288, 41-44.	2.1	22
43	Chronic exposure to IL-6 induces a desensitized phenotype of the microglia. <i>Journal of Neuroinflammation</i> , 2021, 18, 31.	7.2	21
44	Stat3 and NF- $\kappa$ B glial expression after excitotoxic damage to the postnatal brain. <i>NeuroReport</i> , 1998, 9, 2869-2873.	1.2	20
45	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.	2.2	19
46	Purine Signaling and Microglial Wrapping. <i>Advances in Experimental Medicine and Biology</i> , 2016, 949, 147-165.	1.6	19
47	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.	1.4	18
48	RGD domains neuroprotect the immature brain by a glial-dependent mechanism. <i>Annals of Neurology</i> , 2007, 62, 251-261.	5.3	18
49	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.	2.9	18
50	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.	2.3	18
51	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.	2.2	16
52	Decreased myeloperoxidase expressing cells in the aged rat brain after excitotoxic damage. <i>Experimental Gerontology</i> , 2011, 46, 723-730.	2.8	16
53	Expression of 27 kDa heat shock protein (Hsp27) in immature rat brain after a cortical aspiration lesion. <i>Glia</i> , 2001, 36, 259-270.	4.9	14
54	Antioxidant Cu/Zn SOD: Expression in postnatal brain progenitor cells. <i>Neuroscience Letters</i> , 2006, 401, 71-76.	2.1	13

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55	Immunological reactions to neural grafts in the central nervous system. <i>Restorative Neurology and Neuroscience</i> , 1991, 2, 271-282.	0.7	12
56	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.	4.1	12
57	Differential Roles of TREM2+ Microglia in Anterograde and Retrograde Axonal Injury Models. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 567404.	3.7	12
58	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.	4.1	10
59	Astrocyte-targeted Overproduction of IL-10 Reduces Neurodegeneration after TBI. <i>Experimental Neurobiology</i> , 2022, 31, 173-195.	1.6	10
60	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.	2.2	9
61	Reduction of the microglial cell number in rat primary glial cell cultures by exogenous addition of dibutyl cyclic adenosine monophosphate. <i>Journal of Neuroimmunology</i> , 1996, 70, 123-129.	2.3	7
62	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.	3.1	7
63	TRPV2: A Key Player in Myelination Disorders of the Central Nervous System. <i>International Journal of Molecular Sciences</i> , 2022, 23, 3617.	4.1	7
64	Microglia Detection by Enzymatic Histochemistry. <i>Methods in Molecular Biology</i> , 2013, 1041, 243-259.	0.9	6
65	Overexpression of the nuclear factor kappaB inhibitor A20 is neurotoxic after an excitotoxic injury to the immature rat brain. <i>Neurological Research</i> , 2013, 35, 308-319.	1.3	6
66	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.	2.9	4
67	Liver and brain metallothionein regulation in transgenic mice overexpressing interleukin-6 and in mice carrying a null mutation in the interleukin-6 gene. , 1999, , 363-370.		4
68	Evaluation of Myelin Phagocytosis by Microglia/Macrophages in Nervous Tissue Using Flow Cytometry. <i>Current Protocols</i> , 2021, 1, e73.	2.9	3
69	Glial Response to Excitotoxic Injury in the Immature Rat Brain. , 1998, , 271-295.		3
70	Glial Abnormalities in Genetically Determined Disorders of Myelin. , 1998, , 363-384.		1
71	285. <i>Cytokine</i> , 2013, 63, 311.	3.2	0
72	Expression of Growth Inhibitory Factor (Metallothionein-III) mRNA and Protein Following Excitotoxic Immature Brain Injury. <i>Journal of Neuropathology and Experimental Neurology</i> , 0, , .	1.7	0