

Carlos Barcia

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

3,173
citations

186265

28
h-index

155660

55
g-index

68
all docs

68
docs citations

68
times ranked

4763
citing authors

#	ARTICLE	IF	CITATIONS
1	Functional anatomy of thalamus and basal ganglia. <i>Child's Nervous System</i> , 2002, 18, 386-404.	1.1	533
2	Regulatable gene expression systems for gene therapy applications: progress and future challenges. <i>Molecular Therapy</i> , 2005, 12, 189-211.	8.2	252
3	IFN- γ signaling, with the synergistic contribution of TNF- α , mediates cell specific microglial and astroglial activation in experimental models of Parkinson's disease. <i>Cell Death and Disease</i> , 2011, 2, e142-e142.	6.3	212
4	Evidence of active microglia in substantia nigra pars compacta of parkinsonian monkeys 1 year after MPTP exposure. <i>Glia</i> , 2004, 46, 402-409.	4.9	181
5	Stability of Lentiviral Vector-Mediated Transgene Expression in the Brain in the Presence of Systemic Antivector Immune Responses. <i>Human Gene Therapy</i> , 2005, 16, 741-751.	2.7	137
6	ROCK/Cdc42-mediated microglial motility and gliapse formation lead to phagocytosis of degenerating dopaminergic neurons in vivo. <i>Scientific Reports</i> , 2012, 2, 809.	3.3	117
7	In vivo mature immunological synapses forming SMACs mediate clearance of virally infected astrocytes from the brain. <i>Journal of Experimental Medicine</i> , 2006, 203, 2095-2107.	8.5	96
8	Changes in vascularization in substantia nigra pars compacta of monkeys rendered parkinsonian. <i>Journal of Neural Transmission</i> , 2005, 112, 1237-1248.	2.8	94
9	Regulatable Gutless Adenovirus Vectors Sustain Inducible Transgene Expression in the Brain in the Presence of an Immune Response against Adenoviruses. <i>Journal of Virology</i> , 2006, 80, 27-37.	3.4	89
10	Fms-Like Tyrosine Kinase 3 Ligand Recruits Plasmacytoid Dendritic Cells to the Brain. <i>Journal of Immunology</i> , 2006, 176, 3566-3577.	0.8	88
11	Inflammatory and Anti-glioma Effects of an Adenovirus Expressing Human Soluble Fms-like Tyrosine Kinase 3 Ligand (hsFlt3L): Treatment with hsFlt3L Inhibits Intracranial Glioma Progression. <i>Molecular Therapy</i> , 2004, 10, 1071-1084.	8.2	86
12	One-year Expression From High-capacity Adenoviral Vectors in the Brains of Animals With Pre-existing Anti-adenoviral Immunity: Clinical Implications. <i>Molecular Therapy</i> , 2007, 15, 2154-2163.	8.2	78
13	Parkinson's disease and inflammatory changes. <i>Neurotoxicity Research</i> , 2003, 5, 411-417.	2.7	72
14	No Lewy pathology in monkeys with over 10 years of severe MPTP Parkinsonism. <i>Movement Disorders</i> , 2009, 24, 1519-1523.	3.9	72
15	Flt3L and TK gene therapy eradicate multifocal glioma in a syngeneic glioblastoma model. <i>Neuro-Oncology</i> , 2008, 10, 19-31.	1.2	68
16	The Involvement of Neuroinflammation and Kynurenine Pathway in Parkinson's Disease. <i>Parkinson's Disease</i> , 2011, 2011, 1-11.	1.1	64
17	Cold Atmospheric Plasma Induces ATP-Dependent Endocytosis of Nanoparticles and Synergistic U373MG Cancer Cell Death. <i>Scientific Reports</i> , 2018, 8, 5298.	3.3	62
18	Increased plasma levels of TNF- α but not of IL1- β in MPTP-treated monkeys one year after the MPTP administration. <i>Parkinsonism and Related Disorders</i> , 2005, 11, 435-439.	2.2	59

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19	Morphological impairments in retinal neurons of the scotopic visual pathway in a monkey model of Parkinson's disease. <i>Journal of Comparative Neurology</i> , 2005, 493, 261-273.	1.6	55
20	Infiltrating CTLs in Human Glioblastoma Establish Immunological Synapses with Tumorigenic Cells. <i>American Journal of Pathology</i> , 2009, 175, 786-798.	3.8	49
21	T Cells' Immunological Synapses Induce Polarization of Brain Astrocytes In Vivo and In Vitro: A Novel Astrocyte Response Mechanism to Cellular Injury. <i>PLoS ONE</i> , 2008, 3, e2977.	2.5	46
22	Optimization of adenoviral vector-mediated transgene expression in the canine brain in vivo, and in canine glioma cells in vitro. <i>Neuro-Oncology</i> , 2007, 9, 245-258.	1.2	40
23	Circadian Determinations of Cortisol, Prolactin and Melatonin in Chronic Methyl-Phenyl-Tetrahydropyridine-Treated Monkeys. <i>Neuroendocrinology</i> , 2003, 78, 118-128.	2.5	38
24	CCL2-Expressing Astrocytes Mediate the Extravasation of T Lymphocytes in the Brain. Evidence from Patients with Glioma and Experimental Models In Vivo. <i>PLoS ONE</i> , 2012, 7, e30762.	2.5	37
25	Cold Atmospheric Plasma induces accumulation of lysosomes and caspase-independent cell death in U373MG glioblastoma multiforme cells. <i>Scientific Reports</i> , 2019, 9, 12891.	3.3	36
26	In Vivo Polarization of IFN- γ at Kupfer and Non-Kupfer Immunological Synapses during the Clearance of Virally Infected Brain Cells. <i>Journal of Immunology</i> , 2008, 180, 1344-1352.	0.8	35
27	Persistent phagocytic characteristics of microglia in the substantia nigra of long-term Parkinsonian macaques. <i>Journal of Neuroimmunology</i> , 2013, 261, 60-66.	2.3	35
28	Blood vessels and Parkinsonism. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 277.	3.0	34
29	Immunological thresholds in neurological gene therapy: highly efficient elimination of transduced cells might be related to the specific formation of immunological synapses between T cells and virus-infected brain cells. <i>Neuron Glia Biology</i> , 2006, 2, 309-322.	1.6	29
30	Neuroprotection of lipoic acid treatment promotes angiogenesis and reduces the glial scar formation after brain injury. <i>Neuroscience</i> , 2012, 224, 102-115.	2.3	27
31	Glial-Mediated Inflammation Underlying Parkinsonism. <i>Scientifica</i> , 2013, 2013, 1-15.	1.7	22
32	Rapid Upregulation of Interferon-Regulated and Chemokine mRNAs upon Injection of 10 ⁸ International Units, but Not Lower Doses, of Adenoviral Vectors into the Brain. <i>Journal of Virology</i> , 2006, 80, 5655-5659.	3.4	21
33	Evidence of oligodendrogliosis in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP)-induced Parkinsonism. <i>Neuropathology and Applied Neurobiology</i> , 2013, 39, 132-143.	3.2	20
34	Imaging the microanatomy of astrocyte-T-cell interactions in immune-mediated inflammation. <i>Frontiers in Cellular Neuroscience</i> , 2013, 7, 58.	3.7	20
35	Measurement of motor disability in MPTP-treated macaques using a telemetry system for estimating circadian motor activity. <i>Journal of Neuroscience Methods</i> , 2004, 134, 59-64.	2.5	18
36	Phagocytic glioblastoma-associated microglia and macrophages populate invading pseudopalisades. <i>Brain Communications</i> , 2020, 2, fcz043.	3.3	18

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37	Imbalance of immunological synapse-kinase states reflects tumor escape to immunity in glioblastoma. JCI Insight, 2018, 3, .	5.0	18
38	CD20, CD3, and CD40 Ligand Microclusters Segregate Three-Dimensionally In Vivo at B-Cell-T-Cell Immunological Synapses after Viral Immunity in Primate Brain. Journal of Virology, 2008, 82, 9978-9993.	3.4	17
39	Immune-mediated Loss of Transgene Expression From Virally Transduced Brain Cells Is Irreversible, Mediated by IFN γ , Perforin, and TNF α , and due to the Elimination of Transduced Cells. Molecular Therapy, 2012, 20, 808-819.	8.2	17
40	An intrinsic DFF40/CAD endonuclease deficiency impairs oligonucleosomal DNA hydrolysis during caspase-dependent cell death: a common trait in human glioblastoma cells. Neuro-Oncology, 2016, 18, 950-961.	1.2	17
41	Ursolic Acid Inhibits Collective Cell Migration and Promotes JNK-Dependent Lysosomal Associated Cell Death in Glioblastoma Multiforme Cells. Pharmaceuticals, 2021, 14, 91.	3.8	15
42	Three-dimensional vascular microenvironment landscape in human glioblastoma. Acta Neuropathologica Communications, 2021, 9, 24.	5.2	15
43	Visceral signals reach visual cortex during slow wave sleep: study in monkeys. Acta Neurobiologiae Experimentalis, 2006, 66, 69-73.	0.7	15
44	MPP $^{+}$ -induced degeneration is potentiated by dicoumarol in cultures of the RCSN-3 dopaminergic cell line. Implications of neuromelanin in oxidative metabolism of dopamine neurotoxicity. Neurotoxicity Research, 2003, 5, 407-410.	2.7	13
45	MPTP administration increases plasma levels of acute phase proteins in non-human primates (Macaca Tj ETQq1 1 0,784314 rgBT /Ov	2.1	12
46	Plasma induced reactive oxygen species α -dependent cytotoxicity in glioblastoma 3D tumourspheres. Plasma Processes and Polymers, 2022, 19, .	3.0	12
47	Adenoviral vectors encoding tumor necrosis factor- α and FasL induce apoptosis of normal and tumoral anterior pituitary cells. Journal of Endocrinology, 2006, 189, 681-690.	2.6	10
48	Inflammation and Parkinson's Disease. Parkinson's Disease, 2011, 2011, 1-2.	1.1	9
49	Lipoic Acid Treatment after Brain Injury: Study of the Glial Reaction. Clinical and Developmental Immunology, 2013, 2013, 1-8.	3.3	9
50	Immune Regulation of Transgene Expression in the Brain: B Cells Regulate an Early Phase of Elimination of Transgene Expression from Adenoviral Vectors. Viral Immunology, 2006, 19, 508-517.	1.3	7
51	Increase of Secondary Processes of Microglial and Astroglial Cells After MPTP-Induced Degeneration in Substantia Nigra Pars Compacta of Non Human Primates. , 2009, , 253-258.		7
52	Editorial: Glial Cells: Managers of Neuro-Immunity. Frontiers in Cellular Neuroscience, 2016, 10, 60.	3.7	7
53	The MTOC/Golgi Complex at the T-Cell Immunological Synapse. Results and Problems in Cell Differentiation, 2019, 67, 223-231.	0.7	7
54	Increased mRNA expression of cytochrome oxidase in dorsal raphe nucleus of depressive suicide victims. Neuropsychiatric Disease and Treatment, 2008, 4, 413.	2.2	6

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55	Inflammatory Response in Parkinsonism. , 2009, , 245-252.		6
56	Kupferâ€™type immunological synapses in vivo : Raison Dâ€™être of SMAC. Immunology and Cell Biology, 2015, 93, 51-56.	2.3	5
57	Blood Vessels And Neurodegeneration In Parkinsonâ€™s Disease. Advances in Behavioral Biology, 2002, , 341-347.	0.2	2
58	Who else was intoxicated with MPTP in Santa Clara?. Parkinsonism and Related Disorders, 2012, 18, 1005-1006.	2.2	2
59	Gossypol Treatment Restores Insufficient Apoptotic Function of DFF40/CAD in Human Glioblastoma Cells. Cancers, 2021, 13, 5579.	3.7	2
60	Immunology and the Central Nervous System. Clinical and Developmental Immunology, 2013, 2013, 1-3.	3.3	1
61	Studying the T Cell-Astrocyte Immune Synapse. Methods in Molecular Biology, 2017, 1584, 517-531.	0.9	1
62	Lesion-associated microglia and macrophages mediate corralling and react with massive phagocytosis for debris clearance and wound healing after LPS-induced dopaminergic depletion. Journal of Neuroimmunology, 2022, 367, 577874.	2.3	1
63	In vivo mature immunological synapses forming SMACs mediate clearance of virally infected astrocytes from the brain. Journal of Cell Biology, 2006, 174, i10-i10.	5.2	0
64	MPTP: Advances from an Evergreen Neurotoxin. , 2014, , 2099-2124.		0