

Cataldo Tirolo

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45
papers

2,057
citations

29
h-index

45
g-index

48
ext. papers

2,400
ext. citations

5.7
avg, IF

4.21
L-index

#	Paper	IF	Citations
45	Estrogen, neuroinflammation and neuroprotection in Parkinson's disease: glia dictates resistance versus vulnerability to neurodegeneration. <i>Neuroscience</i> , 2006 , 138, 869-78	3.9	151
44	Reactive astrocytes and Wnt/ β Catenin signaling link nigrostriatal injury to repair in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model of Parkinson's disease. <i>Neurobiology of Disease</i> , 2011 , 41, 508-27	7.5	142
43	A Wnt1 regulated Frizzled-1/ β Catenin signaling pathway as a candidate regulatory circuit controlling mesencephalic dopaminergic neuron-astrocyte crosstalk: Therapeutic relevance for neuron survival and neuroprotection. <i>Molecular Neurodegeneration</i> , 2011 , 6, 49	19	142
42	Bilirubin protects astrocytes from its own toxicity by inducing up-regulation and translocation of multidrug resistance-associated protein 1 (Mrp1). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 2470-5	11.5	134
41	microRNAs in Parkinson's Disease: From Pathogenesis to Novel Diagnostic and Therapeutic Approaches. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	129
40	Plasticity of subventricular zone neuroprogenitors in MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine) mouse model of Parkinson's disease involves cross talk between inflammatory and Wnt/ β Catenin signaling pathways: functional consequences for neuroprotection and repair. <i>Journal of Neuroscience</i> , 2012 , 32, 2062-85	6.6	105
39	Wnt/ β Catenin signaling is required to rescue midbrain dopaminergic progenitors and promote neurorepair in ageing mouse model of Parkinson's disease. <i>Stem Cells</i> , 2014 , 32, 2147-63	5.8	74
38	Ageing-induced Nrf2-ARE pathway disruption in the subventricular zone drives neurogenic impairment in parkinsonian mice via PI3K-Wnt/ β Catenin dysregulation. <i>Journal of Neuroscience</i> , 2013 , 33, 1462-85	6.6	74
37	Uncovering novel actors in astrocyte-neuron crosstalk in Parkinson's disease: the Wnt/ β Catenin signaling cascade as the common final pathway for neuroprotection and self-repair. <i>European Journal of Neuroscience</i> , 2013 , 37, 1550-63	3.5	65
36	Glucocorticoid receptor deficiency increases vulnerability of the nigrostriatal dopaminergic system: critical role of glial nitric oxide. <i>FASEB Journal</i> , 2004 , 18, 164-6	0.9	61
35	Targeting Wnt signaling at the neuroimmune interface for dopaminergic neuroprotection/repair in Parkinson's disease. <i>Journal of Molecular Cell Biology</i> , 2014 , 6, 13-26	6.3	57
34	Glia as a turning point in the therapeutic strategy of Parkinson's disease. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010 , 9, 349-72	2.6	52
33	Reactive astrocytes are key players in nigrostriatal dopaminergic neurorepair in the MPTP mouse model of Parkinson's disease: focus on endogenous neurorestoration. <i>Current Aging Science</i> , 2013 , 6, 45-55	2.2	49
32	Loss of aromatase cytochrome P450 function as a risk factor for Parkinson's disease?. <i>Brain Research Reviews</i> , 2008 , 57, 431-43		47
31	Combining nitric oxide release with anti-inflammatory activity preserves nigrostriatal dopaminergic innervation and prevents motor impairment in a 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model of Parkinson's disease. <i>Journal of Neuroinflammation</i> , 2010 , 7, 83	10.1	46
30	Endothelial cell-pericyte cocultures induce PLA2 protein expression through activation of PKC α and the MAPK/ERK cascade. <i>Journal of Lipid Research</i> , 2007 , 48, 782-93	6.3	46
29	Microglia Polarization, Gene-Environment Interactions and Wnt/ β Catenin Signaling: Emerging Roles of Glia-Neuron and Glia-Stem/Neuroprogenitor Crosstalk for Dopaminergic Neurorestoration in Aged Parkinsonian Brain. <i>Frontiers in Aging Neuroscience</i> , 2018 , 10, 12	5.3	45

28	Stress, the immune system and vulnerability to degenerative disorders of the central nervous system in transgenic mice expressing glucocorticoid receptor antisense RNA. <i>Brain Research Reviews</i> , 2001 , 37, 259-72		45
27	Glucocorticoid receptor-nitric oxide crosstalk and vulnerability to experimental parkinsonism: pivotal role for glia-neuron interactions. <i>Brain Research Reviews</i> , 2005 , 48, 302-21		44
26	Parkinson's disease, aging and adult neurogenesis: Wnt/ β Catenin signalling as the key to unlock the mystery of endogenous brain repair. <i>Aging Cell</i> , 2020 , 19, e13101	9.9	43
25	Hormones are key actors in gene x environment interactions programming the vulnerability to Parkinson's disease: glia as a common final pathway. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1057, 296-318	6.5	40
24	GSK-3 β -induced Tau pathology drives hippocampal neuronal cell death in Huntington's disease: involvement of astrocyte-neuron interactions. <i>Cell Death and Disease</i> , 2016 , 7, e2206	9.8	40
23	Basic fibroblast growth factor (bFGF) acts on both neurons and glia to mediate the neurotrophic effects of astrocytes on LHRH neurons in culture. <i>Synapse</i> , 2000 , 36, 233-53	2.4	36
22	Switching the microglial harmful phenotype promotes lifelong restoration of substantia nigra dopaminergic neurons from inflammatory neurodegeneration in aged mice. <i>Rejuvenation Research</i> , 2011 , 14, 411-24	2.6	35
21	Activation of phospholipase A(2) and MAP kinases by oxidized low-density lipoproteins in immortalized GP8.39 endothelial cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005 , 1735, 135-50	5	33
20	Circadian melatonin and young-to-old pineal grafting postpone aging and maintain juvenile conditions of reproductive functions in mice and rats. <i>Experimental Gerontology</i> , 1997 , 32, 587-602	4.5	31
19	Neuroendocrine-immune (NEI) circuitry from neuron-glia interactions to function: Focus on gender and HPA-HPG interactions on early programming of the NEI system. <i>Immunology and Cell Biology</i> , 2001 , 79, 400-17	5	31
18	Exposure to a dysfunctional glucocorticoid receptor from early embryonic life programs the resistance to experimental autoimmune encephalomyelitis via nitric oxide-induced immunosuppression. <i>Journal of Immunology</i> , 2002 , 168, 5848-59	5.3	31
17	Luteinizing hormone-releasing hormone is a primary signaling molecule in the neuroimmune network. <i>Annals of the New York Academy of Sciences</i> , 1998 , 840, 205-48	6.5	29
16	Neural Stem Cell Grafts Promote Astroglia-Driven Neurorestoration in the Aged Parkinsonian Brain via Wnt/ β Catenin Signaling. <i>Stem Cells</i> , 2018 , 36, 1179-1197	5.8	27
15	Gender, neuroendocrine-immune interactions and neuron-glia plasticity. Role of luteinizing hormone-releasing hormone (LHRH). <i>Annals of the New York Academy of Sciences</i> , 2000 , 917, 678-709	6.5	26
14	Stress, glucocorticoids and the susceptibility to develop autoimmune disorders of the central nervous system. <i>Neurological Sciences</i> , 2001 , 22, 159-62	3.5	21
13	MAPKs mediate the activation of cytosolic phospholipase A2 by amyloid beta(25-35) peptide in bovine retina pericytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005 , 1733, 172-86	5	20
12	Immortalized hypothalamic luteinizing hormone-releasing hormone (LHRH) neurons induce a functional switch in the growth factor responsiveness of astroglia: involvement of basic fibroblast growth factor. <i>International Journal of Developmental Neuroscience</i> , 2000 , 18, 743-63	2.7	18
11	Basic fibroblast growth factor priming increases the responsiveness of immortalized hypothalamic luteinizing hormone releasing hormone neurones to neurotrophic factors. <i>Journal of Neuroendocrinology</i> , 2000 , 12, 941-59	3.8	17

10	Activation of cytosolic phospholipase A2 and 15-lipoxygenase by oxidized low-density lipoproteins in cultured human lung fibroblasts. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2007 , 1771, 522-32	5	15
9	Glia-Derived Extracellular Vesicles in Parkinson's Disease. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	14
8	Boosting Antioxidant Self-defenses by Grafting Astrocytes Rejuvenates the Aged Microenvironment and Mitigates Nigrostriatal Toxicity in Parkinsonian Brain an Prosurvival Axis. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 24	5.3	11
7	The reproductive system at the neuroendocrine-immune interface: focus on LHRH, estrogens and growth factors in LHRH neuron-glia interactions. <i>Domestic Animal Endocrinology</i> , 2003 , 25, 21-46	2.3	10
6	Humanin gene expression in fibroblast of Down syndrome subjects. <i>International Journal of Medical Sciences</i> , 2020 , 17, 320-324	3.7	7
5	Extracellular Vesicles as Nanotherapeutics for Parkinson's Disease. <i>Biomolecules</i> , 2020 , 10,	5.9	5
4	Multiple Biotin-Avidin Amplification for Multiple Immunostaining. <i>Applied Immunohistochemistry & Molecular Morphology</i> , 1999 , 7, 73-80		4
3	Neurochemical, immunological and pharmacological assessments in a transgenic mouse model of the endocrine changes in depression. <i>Aging Clinical and Experimental Research</i> , 1997 , 9, 26-7	4.8	3
2	"Reframing" dopamine signaling at the intersection of glial networks in the aged Parkinsonian brain as innate Nrf2/Wnt driver: Therapeutical implications.. <i>Aging Cell</i> , 2022 , e13575	9.9	1
1	Cerebellar degeneration-related protein 1 expression in fibroblasts of patients affected by down syndrome 2020 , 13, 548-555		