Cataldo Tirolo

List of Publications by Year
in descending order

46 papers	2,611 citations	159585 30 h-index	243625 44 g-index
48 all docs	48 docs citations	48 times ranked	3014 citing authors

#	Article	IF	Citations
1	A Wnt1 regulated Frizzled-1/Î²-Cateninsignaling pathway as a candidate regulatory circuit controlling mesencephalic dopaminergic neuron-astrocyte crosstalk: Therapeutical relevance for neuron survival and neuroprotection. Molecular Neurodegeneration, 2011, 6, 49.	10.8	179
2	Estrogen, neuroinflammation and neuroprotection in Parkinsonâ€™s disease: Glia dictates resistance versus vulnerability to neurodegeneration. Neuroscience, 2006, 138, 869-878.	2.3	177
3	Reactive astrocytes and Wnt/Î²-catenin signaling link nigrostriatal injury to repair in 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine model of Parkinson's disease. Neurobiology of Disease, 2011, 41, 508-527.	4.4	177
4	microRNAs in Parkinsonâ€™s Disease: From Pathogenesis to Novel Diagnostic and Therapeutic Approaches. International Journal of Molecular Sciences, 2017, 18, 2698.	4.1	170
5	Bilirubin protects astrocytes from its own toxicity by inducing up-regulation and translocation of multidrug resistance-associated protein 1 (Mrp1). Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 2470-2475.	7.1	148
6	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/Â-Catenin Signaling Pathways: Functional Consequences for Neuroprotection and Repair. Journal of Neuroscience, 2012, 32, 2062-2085.	3.6	123
7	Parkinson's disease, aging and adult neurogenesis: Wnt/Î²â€catenin signalling as the key to unlock the mystery of endogenous brain repair. Aging Cell, 2020, 19, e13101.	6.7	105
8	Wnt/Î²-Catenin Signaling Is Required to Rescue Midbrain Dopaminergic Progenitors and Promote Neurorepair in Ageing Mouse Model of Parkinsonâ€™s Disease. Stem Cells, 2014, 32, 2147-2163.	3.2	99
9	Aging-Induced<i>Nrf2-ARE</i>Pathway Disruption in the Subventricular Zone Drives Neurogenic Impairment in Parkinsonian Mice via<i>PI3K-Wnt/</i>Î²<i>-Catenin</i>Dysregulation. Journal of Neuroscience, 2013, 33, 1462-1485.	3.6	90
10	Uncovering novel actors in astrocyteâ€“neuron crosstalk in <scp>P</scp>arkinson's disease: the <scp>W</scp>nt/Î²â€catenin signaling cascade as the common final pathway for neuroprotection and selfâ€repair. European Journal of Neuroscience, 2013, 37, 1550-1563.	2.6	81
11	Targeting Wnt signaling at the neuroimmune interface for dopaminergic neuroprotection/repair in Parkinson's disease. Journal of Molecular Cell Biology, 2014, 6, 13-26.	3.3	73
12	Glucocorticoid receptor deficiency increases vulnerability of the nigrostriatal dopaminergic system: critical role of glial nitric oxide. FASEB Journal, 2004, 18, 164-166.	0.5	72
13	Microglia Polarization, Gene-Environment Interactions and Wnt/Î²-Catenin Signaling: Emerging Roles of Glia-Neuron and Glia-Stem/Neuroprogenitor Crosstalk for Dopaminergic Neurorestoration in Aged Parkinsonian Brain. Frontiers in Aging Neuroscience, 2018, 10, 12.	3.4	71
14	GSK-3Î²-induced Tau pathology drives hippocampal neuronal cell death in Huntingtonâ€™s disease: involvement of astrocyteâ€“neuron interactions. Cell Death and Disease, 2016, 7, e2206-e2206.	6.3	67
15	Glia as a Turning Point in the Therapeutic Strategy of Parkinsons Disease. CNS and Neurological Disorders - Drug Targets, 2010, 9, 349-372.	1.4	59
16	Glucocorticoid receptorâ€“nitric oxide crosstalk and vulnerability to experimental parkinsonism: pivotal role for gliaâ€“neuron interactions. Brain Research Reviews, 2005, 48, 302-321.	9.0	56
17	Endothelial cell-pericyte cocultures induce PLA2 protein expression through activation of PKCÎ± and the MAPK/ERK cascade. Journal of Lipid Research, 2007, 48, 782-793.	4.2	54
18	Reactive Astrocytes Are Key Players in Nigrostriatal Dopaminergic Neurorepair in the Mptp Mouse Model of Parkinsonâ€™s Disease: Focus on Endogenous Neurorestoration. Current Aging Science, 2013, 6, 45-55.	1.2	54

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19	Loss of aromatase cytochrome P450 function as a risk factor for Parkinson's disease?. Brain Research Reviews, 2008, 57, 431-443.	9.0	53
20	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. Journal of Neuroinflammation, 2010, 7, 83.	7.2	53
21	Stress, the immune system and vulnerability to degenerative disorders of the central nervous system in transgenic mice expressing glucocorticoid receptor antisense RNA. Brain Research Reviews, 2001, 37, 259-272.	9.0	52
22	Neural Stem Cell Grafts Promote Astroglia-Driven Neurorestoration in the Aged Parkinsonian Brain via Wnt/Î²-Catenin Signaling. Stem Cells, 2018, 36, 1179-1197.	3.2	49
23	Hormones Are Key Actors in Gene X Environment Interactions Programming the Vulnerability to Parkinson's Disease: Glia as a Common Final Pathway. Annals of the New York Academy of Sciences, 2005, 1057, 296-318.	3.8	47
24	Switching the Microglial Harmful Phenotype Promotes Lifelong Restoration of Subtantia Nigra Dopaminergic Neurons from Inflammatory Neurodegeneration in Aged Mice. Rejuvenation Research, 2011, 14, 411-424.	1.8	45
25	Basic fibroblast growth factor (bFGF) acts on both neurons and glia to mediate the neurotrophic effects of astrocytes on LHRH neurons in culture. , 2000, 36, 233-253.		42
26	Activation of phospholipase A2 and MAP kinases by oxidized low-density lipoproteins in immortalized GP8.39 endothelial cells. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1735, 135-150.	2.4	39
27	Neuroendocrineâ€"immune (NEI) circuitry from neuronâ€"glial interactions to function: Focus on gender and HPAâ€"HPG interactions on early programming of the NEI system. Immunology and Cell Biology, 2001, 79, 400-417.	2.3	37
28	Exposure to a Dysfunctional Glucocorticoid Receptor from Early Embryonic Life Programs the Resistance to Experimental Autoimmune Encephalomyelitis Via Nitric Oxide-Induced Immunosuppression. Journal of Immunology, 2002, 168, 5848-5859.	0.8	37
29	Circadian melatonin and young-to-old pineal grafting postpone aging and maintain juvenile conditions of reproductive functions in mice and rats. Experimental Gerontology, 1997, 32, 587-602.	2.8	33
30	Luteinizing Hormoneâ€Releasing Hormone Is a Primary Signaling Molecule in the Neuroimmune Network. Annals of the New York Academy of Sciences, 1998, 840, 205-248.	3.8	33
31	Gender, Neuroendocrineâ€Immune Interactions and Neuronâ€Glial Plasticity: Role of Luteinizing Hormoneâ€Releasing Hormone (LHRH). Annals of the New York Academy of Sciences, 2000, 917, 678-709.	3.8	30
32	Basic Fibroblast Growth Factor Priming Increases the Responsiveness of Immortalized Hypothalamic Luteinizing Hormone Releasing Hormone Neurones to Neurotrophic Factors. Journal of Neuroendocrinology, 2001, 12, 941-959.	2.6	23
33	MAPKs mediate the activation of cytosolic phospholipase A2 by amyloid Î²(25â€"35) peptide in bovine retina pericytes. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2005, 1733, 172-186.	2.4	23
34	Boosting Antioxidant Self-defenses by Grafting Astrocytes Rejuvenates the Aged Microenvironment and Mitigates Nigrostriatal Toxicity in Parkinsonian Brain via an Nrf2-Driven Wnt/Î²-Catenin Prosurvival Axis. Frontiers in Aging Neuroscience, 2020, 12, 24.	3.4	23
35	Stress, glucocorticoids and the susceptibility to develop autoimmune disorders of the central nervous system. Neurological Sciences, 2001, 22, 159-162.	1.9	22
36	Extracellular Vesicles as Nanotherapeutics for Parkinsonâ€™s Disease. Biomolecules, 2020, 10, 1327.	4.0	19

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37	Immortalized hypothalamic luteinizing hormoneâ€releasing hormone (LHRH) neurons induce a functional switch in the growth factor responsiveness of astroglia: involvement of basic fibroblast growth factor. International Journal of Developmental Neuroscience, 2000, 18, 743-763.	1.6	18
38	Glia-Derived Extracellular Vesicles in Parkinsonâ€™s Disease. Journal of Clinical Medicine, 2020, 9, 1941.	2.4	18
39	Activation of cytosolic phospholipase A2 and 15-lipoxygenase by oxidized low-density lipoproteins in cultured human lung fibroblasts. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2007, 1771, 522-532.	2.4	16
40	Humanin gene expression in fibroblast of Down syndrome subjects. International Journal of Medical Sciences, 2020, 17, 320-324.	2.5	12
41	The reproductive system at the neuroendocrine-immune interface: focus on LHRH, estrogens and growth factors in LHRH neuronâ€“glial interactions. Domestic Animal Endocrinology, 2003, 25, 21-46.	1.6	11
42	â€œ<i>Reframing</i>â€•dopamine signaling at the intersection of glial networks in the aged Parkinsonian brain as innate <i>Nrf2/Wnt</i> driver: Therapeutical implications. Aging Cell, 2022, 21, e13575.	6.7	8
43	Multiple Biotin-Avidin Amplification for Multiple Immunostaining. Applied Immunohistochemistry & Molecular Morphology, 1999, 7, 73-80.	2.0	4
44	Neurochemical, immunological and pharmacological assessments in a transgenic mouse model of the endocrine changes in depression. Aging Clinical and Experimental Research, 1997, 9, 26-27.	2.9	3
45	Neuroendocrine-immune interactions in the control of reproduction. Pharmacological Research, 1992, 26, 114.	7.1	0
46	Cerebellar degeneration-related protein 1 expression in fibroblasts of patients affected by down syndrome. International Journal of Transgender Health, 2020, 13, 548-555.	2.3	0