FlÃ¡via C Gomes

List of Publications by Year
in descending order

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68 papers	3,477 citations	125106 35 h-index	169272 56 g-index
71 all docs	71 docs citations	71 times ranked	5076 citing authors

#	Article	IF	Citations
1	Contribution of MÃ¼ller Cells in the Diabetic Retinopathy Development: Focus on Oxidative Stress and Inflammation. Antioxidants, 2022, 11, 617.	2.2	24
2	Loss of laminâ€B1 and defective nuclear morphology are hallmarks of astrocyte senescence in vitro and in the aging human hippocampus. Aging Cell, 2022, 21, e13521.	3.0	53
3	Astrocytes as a target for <scp>Nogoâ€A</scp> and implications for synapse formation in vitro and in a model of acute demyelination. Glia, 2021, 69, 1429-1443.	2.5	7
4	Ethanol Gestational Exposure Impairs Vascular Development and Endothelial Potential to Control BBB-Associated Astrocyte Function in the Developing Cerebral Cortex. Molecular Neurobiology, 2021, 58, 1755-1768.	1.9	12
5	Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and glial cells: Insights and perspectives. Brain, Behavior, & Immunity - Health, 2020, 7, 100127.	1.3	64
6	Cryopreserved astrocytes maintain biological properties: Support of neuronal survival and differentiation. Journal of Neuroscience Methods, 2020, 343, 108806.	1.3	0
7	Astrocyte glutamate transporters are increased in an early sporadic model of synucleinopathy. Neurochemistry International, 2020, 138, 104758.	1.9	18
8	The Role of Astrocytes in the Development of the Cerebellum. Cerebellum, 2019, 18, 1017-1035.	1.4	39
9	Î±â€synuclein oligomers enhance astrocyteâ€induced synapse formation through TGFâ€Î²1 signaling in a Parkinson's disease model. Journal of Neurochemistry, 2019, 150, 138-157.	2.1	27
10	Astrocyte Heterogeneity: Impact to Brain Aging and Disease. Frontiers in Aging Neuroscience, 2019, 11, 59.	1.7	256
11	Astrocytes and the TGF-Î²1 Pathway in the Healthy and Diseased Brain: a Double-Edged Sword. Molecular Neurobiology, 2019, 56, 4653-4679.	1.9	91
12	Radial Glia-endothelial Cellsâ€™ Bidirectional Interactions Control Vascular Maturation and Astrocyte Differentiation: Impact for Blood-brain Barrier Formation. Current Neurovascular Research, 2019, 16, 291-300.	0.4	12
13	Radial Glia Cells Control Angiogenesis in the Developing Cerebral Cortex Through TGF-Î²1 Signaling. Molecular Neurobiology, 2018, 55, 3660-3675.	1.9	37
14	Heterogeneity in Synaptogenic Profile of Astrocytes from Different Brain Regions. Molecular Neurobiology, 2018, 55, 751-762.	1.9	64
15	Interaction of amyloid-Î² (AÎ²) oligomers with neurexin 2Î± and neuroligin 1 mediates synapse damage and memory loss in mice. Journal of Biological Chemistry, 2017, 292, 7327-7337.	1.6	67
16	Astrocyte Transforming Growth Factor Beta 1 Protects Synapses against AÎ² Oligomers in Alzheimer's Disease Model. Journal of Neuroscience, 2017, 37, 6797-6809.	1.7	127
17	Derivation of Functional Human Astrocytes from Cerebral Organoids. Scientific Reports, 2017, 7, 45091.	1.6	75
18	Transforming Growth Factor Î²1/SMAD Signaling Pathway Activation Protects the Intestinal Epithelium from Clostridium difficile Toxin A-Induced Damage. Infection and Immunity, 2017, 85, .	1.0	27

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19	Brain infusion of Î±-synuclein oligomers induces motor and non-motor Parkinsonâ€™s disease-like symptoms in mice. Behavioural Brain Research, 2017, 333, 150-160.	1.2	27
20	Flavonoid Hesperidin Induces Synapse Formation and Improves Memory Performance through the Astrocytic TGF-Î²1. Frontiers in Aging Neuroscience, 2017, 9, 184.	1.7	39
21	Functions of flavonoids in the central nervous system: Astrocytes as targets for natural compounds. Neurochemistry International, 2016, 95, 85-91.	1.9	61
22	Activated Microglia-Induced Deficits in Excitatory Synapses Through IL-1Î²: Implications for Cognitive Impairment in Sepsis. Molecular Neurobiology, 2015, 52, 653-663.	1.9	121
23	LPA-primed astrocytes induce axonal outgrowth of cortical progenitors by activating PKA signaling pathways and modulating extracellular matrix proteins. Frontiers in Cellular Neuroscience, 2014, 8, 296.	1.8	19
24	TGF-ÃŽÂ²1 promotes cerebral cortex radial glia-astrocyte differentiation in vivo. Frontiers in Cellular Neuroscience, 2014, 8, 393.	1.8	67
25	Astrocyte transforming growth factor beta 1 promotes inhibitory synapse formation via CaM kinase II signaling. Glia, 2014, 62, 1917-1931.	2.5	89
26	Astrocytic control of neural circuit formation: Highlights on TGF-beta signaling. Neurochemistry International, 2014, 78, 18-27.	1.9	65
27	Activated microglia mediate synapse loss and short-term memory deficits in a mouse model of transthyretin-related oculoleptomeningeal amyloidosis. Cell Death and Disease, 2013, 4, e789-e789.	2.7	51
28	Glia: dos velhos conceitos Ãs novas funÃ§Ãµes de hoje e as que ainda virÃ£o. Estudos Avancados, 2013, 27, 61-84.	0.2	13
29	AvaliaÃ§Ã£o da proteÃna acÃdica fibrilar glial como marcador da injÃºria por isquemia-reperfusÃ£o hepÃ¡tica. Revista Do Colegio Brasileiro De Cirurgioes, 2013, 40, 215-220.	0.3	0
30	Lycopene and Beta-Carotene Induce Growth Inhibition and Proapoptotic Effects on ACTH-Secreting Pituitary Adenoma Cells. PLoS ONE, 2013, 8, e62773.	1.1	35
31	Thyroid hormone treated astrocytes induce maturation of cerebral cortical neurons through modulation of proteoglycan levels. Frontiers in Cellular Neuroscience, 2013, 7, 125.	1.8	37
32	Astrocyte-induced Synaptogenesis Is Mediated by Transforming Growth Factor Î² Signaling through Modulation of d-Serine Levels in Cerebral Cortex Neurons. Journal of Biological Chemistry, 2012, 287, 41432-41445.	1.6	186
33	Activation of MAPK/PI3K/SMAD Pathways by TGF-Î²1 Controls Differentiation of Radial Glia into Astrocytes in vitro. Developmental Neuroscience, 2012, 34, 68-81.	1.0	55
34	The flavonoids hesperidin and rutin promote neural crest cell survival. Cell and Tissue Research, 2012, 350, 305-315.	1.5	34
35	Effects of the flavonoid hesperidin in cerebral cortical progenitors in vitro: indirect action through astrocytes. International Journal of Developmental Neuroscience, 2012, 30, 303-313.	0.7	38
36	Neuronâ€“Astroglial Interactions in Cell-Fate Commitment and Maturation in the Central Nervous System. Neurochemical Research, 2012, 37, 2402-2418.	1.6	29

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37	Sphingosine 1â€phosphateâ€primed astrocytes enhance differentiation of neuronal progenitor cells. Journal of Neuroscience Research, 2012, 90, 1892-1902.	1.3	19
38	Neuronâ€“glia signaling: Implications for astrocyte differentiation and synapse formation. Life Sciences, 2011, 89, 524-531.	2.0	39
39	Estradiol modulates TGF-Î²1 expression and its signaling pathway in thyroid stromal cells. Molecular and Cellular Endocrinology, 2011, 337, 71-79.	1.6	22
40	Thyroid hormone induces cerebellar neuronal migration and Bergmann glia differentiation through epidermal growth factor/mitogen-activated protein kinase pathway. European Journal of Neuroscience, 2011, 33, 26-35.	1.2	23
41	Astrocytes treated by lysophosphatidic acid induce axonal outgrowth of cortical progenitors through extracellular matrix protein and epidermal growth factor signaling pathway. Journal of Neurochemistry, 2011, 119, 113-123.	2.1	45
42	Hesperidin, a Flavone Glycoside, as Mediator of Neuronal Survival. Neurochemical Research, 2011, 36, 1776-1784.	1.6	51
43	Effects of the flavonoid casticin from Brazilian Croton betulaster in cerebral cortical progenitors in vitro: Direct and indirect action through astrocytes. Journal of Neuroscience Research, 2010, 88, 530-541.	1.3	27
44	Flavonoids and Astrocytes Crosstalking: Implications for Brain Development and Pathology. Neurochemical Research, 2010, 35, 955-966.	1.6	30
45	Cognitive Dysfunction Is Sustained after Rescue Therapy in Experimental Cerebral Malaria, and Is Reduced by Additive Antioxidant Therapy. PLoS Pathogens, 2010, 6, e1000963.	2.1	91
46	Thyroid hormone receptor Î² mutation causes severe impairment of cerebellar development. Molecular and Cellular Neurosciences, 2010, 44, 68-77.	1.0	57
47	Neuron-Astroglial Interactions in Cell Fate Commitment in the Central Nervous System. , 2010, , 145-170.		0
48	Lysophosphatidic acid receptor-dependent secondary effects via astrocytes promote neuronal differentiation.. Journal of Biological Chemistry, 2009, 284, 36720.	1.6	0
49	Effect of thyroid hormone depletion on cultured murine cerebral cortex astrocytes. Neuroscience Letters, 2009, 467, 58-62.	1.0	17
50	Glutamate activates GFAP gene promoter from cultured astrocytes through TGFâ€Î²1 pathways. Journal of Neurochemistry, 2008, 106, 746-756.	2.1	64
51	Lysophosphatidic Acid Receptor-dependent Secondary Effects via Astrocytes Promote Neuronal Differentiation. Journal of Biological Chemistry, 2008, 283, 7470-7479.	1.6	71
52	TGF-Î²1/SMAD signaling induces astrocyte fate commitmentin vitro: Implications for radial glia development. Glia, 2007, 55, 1023-1033.	2.5	100
53	CHARACTERIZATION OF TGF-Î²1 TYPE II RECEPTOR EXPRESSION IN CULTURED CORTICAL ASTROCYTES. In Vitro Cellular and Developmental Biology - Animal, 2006, 42, 171.	0.7	9
54	Proliferation of cerebellar neurons induced by astrocytes treated with thyroid hormone is mediated by a cooperation between cell contact and soluble factors and involves the epidermal growth factor-protein kinase a pathway. Journal of Neuroscience Research, 2005, 80, 341-349.	1.3	43

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55	Neuritogenesis and neuronal differentiation promoted by 2,4â€dinitrophenol, a novel antiâ€amyloidogenic compound. FASEB Journal, 2005, 19, 1627-1636.	0.2	42
56	Emerging roles for TGFâ€Î²1 in nervous system development. International Journal of Developmental Neuroscience, 2005, 23, 413-424.	0.7	150
57	Sialic acid residues on astrocytes regulate neuritogenesis by controlling the assembly of laminin matrices. Journal of Cell Science, 2004, 117, 4067-4076.	1.2	24
58	Glial fibrillary acidic protein gene promoter is differently modulated by transforming growth factor-beta 1 in astrocytes from distinct brain regions. European Journal of Neuroscience, 2004, 19, 1721-1730.	1.2	56
59	Role of neuronâ€“glia interactions in nervous system development: highlights on radial glia and astrocytes. Advances in Molecular and Cell Biology, 2003, 31, 97-125.	0.1	1
60	Neuritogenesis Induced by Thyroid Hormone-treated Astrocytes Is Mediated by Epidermal Growth Factor/Mitogen-activated Protein Kinase-Phosphatidylinositol 3-Kinase Pathways and Involves Modulation of Extracellular Matrix Proteins. Journal of Biological Chemistry, 2002, 277, 49311-49318.	1.6	94
61	Structure of laminin substrate modulates cellular signaling for neuritogenesis. Journal of Cell Science, 2002, 115, 4867-4876.	1.2	77
62	Differences in the activation of the GFAP gene promoter by prion and viral infections. Molecular Brain Research, 2002, 109, 119-127.	2.5	11
63	Neuro-glia interaction effects on GFAP gene: a novel role for transforming growth factor-Î²1. European Journal of Neuroscience, 2002, 16, 2059-2069.	1.2	101
64	Thyroid hormone role in nervous system morphogenesis. Progress in Brain Research, 2001, 132, 41-50.	0.9	28
65	Cerebellar astrocytes treated by thyroid hormone modulate neuronal proliferation. Glia, 1999, 25, 247-255.	2.5	86
66	Thyroid hormone acting on astrocytes in culture. In Vitro Cellular and Developmental Biology - Animal, 1998, 34, 280-282.	0.7	25
67	Thyroid hormone action on astroglial cells fromdistinct brain regions during development. International Journal of Developmental Neuroscience, 1998, 16, 19-27.	0.7	39
68	Leishmania amazonensis: Multidrug Resistance in Vinblastine-Resistant Promastigotes Is Associated with Rhodamine 123 Efflux, DNA Amplification, and RNA Overexpression of a Leishmania mdr1 Gene. Experimental Parasitology, 1995, 81, 480-490.	0.5	66