Fernando G De Mello

List of Publications by Year
in descending order

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46 papers	2,121 citations	279798 23 h-index	243625 44 g-index
46 all docs	46 docs citations	46 times ranked	2603 citing authors

#	Article	IF	Citations
1	Uptake of apoptotic cells drives the growth of a pathogenic trypanosome in macrophages. Nature, 2000, 403, 199-203.	27.8	426
2	Stable Complexes Involving Acetylcholinesterase and Amyloid-Î² Peptide Change the Biochemical Properties of the Enzyme and Increase the Neurotoxicity of Alzheimerâ€™s Fibrils. Journal of Neuroscience, 1998, 18, 3213-3223.	3.6	264
3	Taurine prevents the neurotoxicity of Î²â€amyloid and glutamate receptor agonists: activation of GABA receptors and possible implications for Alzheimer's disease and other neurological disorders. FASEB Journal, 2004, 18, 511-518.	0.5	214
4	Regulation of acetylcholine synthesis and storage. Neurochemistry International, 2002, 41, 291-299.	3.8	100
5	A transient embryonic dopamine receptor inhibits growth cone motility and neurite outgrowth in a subset of avian retina neurons. Neuroscience Letters, 1987, 75, 169-174.	2.1	87
6	Inhibition of Choline Acetyltransferase as a Mechanism for Cholinergic Dysfunction Induced by Amyloid-Î² Peptide Oligomers. Journal of Biological Chemistry, 2012, 287, 19377-19385.	3.4	77
7	Dopaminergic signaling in the developing retina. Brain Research Reviews, 2007, 54, 181-188.	9.0	69
8	Developmental immunoreactivity for GABA and GAD in the avian retina: possible alternative pathway for GABA synthesis. Brain Research, 1990, 532, 197-202.	2.2	65
9	Direct inhibition of the N -methyl-D -aspartate receptor channel by dopamine and (+)-SKF38393. British Journal of Pharmacology, 1999, 126, 1847-1855.	5.4	61
10	Induced Release of ?-Aminobutyric Acid by a Carrier-Mediated, High-Affinity Uptake of L-Glutamate in Cultured Chick Retina Cells. Journal of Neurochemistry, 1985, 45, 1820-1827.	3.9	59
11	Differential ontogenesis of D1 and D2 dopaminergic receptors in the chick embryo retina. Developmental Brain Research, 1984, 12, 217-223.	1.7	55
12	GABAergic system in the developing mammalian retina: dual sources of GABA at early stages of postnatal development. International Journal of Developmental Neuroscience, 1999, 17, 201-213.	1.6	49
13	Aspartate as a selective NMDA receptor agonist in cultured cells from the avian retina. Neurochemistry International, 1998, 32, 47-52.	3.8	48
14	Neuroprotection against AÎ² and glutamate toxicity by melatonin: Are GABA receptors involved?. Neurotoxicity Research, 2003, 5, 323-327.	2.7	47
15	Evidence for an Antiapoptotic Role of Dopamine in Developing Retinal Tissue. Journal of Neurochemistry, 2002, 73, 485-492.	3.9	43
16	l-DOPA supply to the neuro retina activates dopaminergic communication at the early stages of embryonic development. Journal of Neurochemistry, 2004, 86, 45-54.	3.9	41
17	GABA-mediated control of glutamate decarboxylase (GAD) in cell aggregate culture of chick embryo retina. Developmental Brain Research, 1984, 14, 7-13.	1.7	36
18	Sympathetic neuronal survival induced by retinal trophic factors. Journal of Neurobiology, 2002, 50, 13-23.	3.6	30

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19	Expression of functional dopaminergic phenotype in purified cultured MÃ¼ller cells from vertebrate retina. Neurochemistry International, 2008, 53, 63-70.	3.8	30
20	Dual role of glutamatergic neurotransmission on amyloid Î²1â€"42 aggregation and neurotoxicity in embryonic avian retina. Neuroscience Letters, 2001, 301, 59-63.	2.1	26
21	Transporter-mediated GABA release induced by excitatory amino acid agonist is associated with GAD-67 but not GAD-65 immunoreactive cells of the primate retina. Brain Research, 2000, 863, 132-142.	2.2	25
22	l-Glutamate evoked release of GABA from cultured avian retina cells does not require glutamate receptor activation. Brain Research, 1988, 443, 166-172.	2.2	24
23	Amyloid-Î² Decreases Nitric Oxide Production in Cultured Retinal Neurons: A Possible Mechanism for Synaptic Dysfunction in Alzheimerâ€™s Disease?. Neurochemical Research, 2011, 36, 163-169.	3.3	23
24	Prion Protein Modulates Monoaminergic Systems and Depressive-like Behavior in Mice. Journal of Biological Chemistry, 2015, 290, 20488-20498.	3.4	22
25	A novel crosslinking protocol stabilizes amyloid Î² oligomers capable of inducing Alzheimer'sâ€associated pathologies. Journal of Neurochemistry, 2019, 148, 822-836.	3.9	20
26	Glutamic acid decarboxylase of embryonic avian retina cells in culture: Regulation byÎ³-aminobutyric acid (GABA). Cellular and Molecular Neurobiology, 1991, 11, 485-496.	3.3	18
27	Atypical effect of dopamine in modulating the functional inhibition of NMDA receptors of cultured retina cells. European Journal of Pharmacology, 1998, 343, 103-110.	3.5	18
28	Murine dopaminergic MÃ¼ller cells restore motor function in a model of Parkinson's disease. Journal of Neurochemistry, 2014, 128, 829-840.	3.9	17
29	Functional plasticity of GAT-3 in avian MÃ¼ller cells is regulated by neurons via a glutamatergic input. Neurochemistry International, 2015, 82, 42-51.	3.8	16
30	Inhibition of choline acetyltransferase by excitatory amino acids as a possible mechanism for cholinergic dysfunction in the central nervous system. Journal of Neurochemistry, 2001, 77, 1136-1144.	3.9	13
31	Exogenous Î²-amyloid peptide interferes with GLUT4 localization in neurons. Brain Research, 2015, 1615, 42-50.	2.2	12
32	Neuro-glial cannabinoid receptors modulate signaling in the embryonic avian retina. Neurochemistry International, 2018, 112, 27-37.	3.8	12
33	Cannabinoid Receptor Type 1 Expression in the Developing Avian Retina: Morphological and Functional Correlation With the Dopaminergic System. Frontiers in Cellular Neuroscience, 2018, 12, 58.	3.7	12
34	Ontogenesis of prolyl endopeptidase in the chick retina. Neuroscience Letters, 1987, 80, 89-94.	2.1	8
35	Cultured Embryonic Retina Systems as a Model for the Study of Underlying Mechanisms ofToxoplasma gondiiInfection. , 2004, 45, 2813.		7
36	Exchange of extracellular l-glutamate by intracellular d-aspartate: The main mechanism of d-aspartate release in the avian retina. Neurochemistry International, 2011, 58, 767-775.	3.8	7

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37	Screening for neuropeptide-metabolizing peptidases during the differentiation of chick embryo retina. Developmental Brain Research, 1985, 21, 147-151.	1.7	6
38	Regulation of vesicular acetylcholine transporter by the activation of excitatory amino acid receptors in the avian retina. Cellular and Molecular Neurobiology, 2002, 22, 727-740.	3.3	6
39	Effect of p-mercuribenzoate on the subestimation of angiotensin-converting enzyme measurement during chick retina development. Journal of Neuroscience Methods, 1990, 31, 7-11.	2.5	5
40	In ovo and in culture development of chick retinal angiotensin converting enzyme. Neuroscience Letters, 1990, 109, 174-179.	2.1	5
41	Pituitary adenylyl cyclaseâ€activating polypeptide receptor reâ€sensitization induces plastic changes in the dopaminergic phenotype in the mature avian retina. Journal of Neurochemistry, 2013, 124, 621-631.	3.9	5
42	An Essential Role for Alzheimerâ€™s-Linked Amyloid Beta Oligomers in Neurodevelopment: Transient Expression of Multiple Proteoforms during Retina Histogenesis. International Journal of Molecular Sciences, 2022, 23, 2208.	4.1	5
43	Reply to Altered Monoaminergic Systems and Depressive-like Behavior in Congenic Prion Protein Knock-out Mice. Journal of Biological Chemistry, 2015, 290, 26351.	3.4	4
44	Neurochemical plasticity of MÃ¼ller cells after retinal injury: overexpression of GAT-3 may potentiate excitotoxicity. Neural Regeneration Research, 2015, 10, 1376.	3.0	3
45	Î²â€amyloid peptide is internalized into chick retinal neurons and alters the distribution of myosin Vb. Cytoskeleton, 2012, 69, 166-178.	2.0	1
46	Differentiation of the GABAergic System in the Avian Retina: Control of Glutamic Acid Decarboxylase Expression by GABA. , 1992, , 36-48.		0