Ruth G Perez

List of Publications by Year
in descending order

37 papers	1,961 citations	257450 24 h-index	330143 37 g-index
37 all docs	37 docs citations	37 times ranked	2764 citing authors

#	Article	IF	Citations
1	Î±-Synuclein activation of protein phosphatase 2A reduces tyrosine hydroxylase phosphorylation in dopaminergic cells. Journal of Cell Science, 2005, 118, 3523-3530.	2.0	219
2	The contribution of alpha synuclein to neuronal survival and function â€“ Implications for Parkinson's disease. Journal of Neurochemistry, 2016, 137, 331-359.	3.9	186
3	Could a loss of Î±â€synuclein function put dopaminergic neurons at risk?. Journal of Neurochemistry, 2004, 89, 1318-1324.	3.9	130
4	Neuroprotective effects of linarin through activation of the PI3K/Akt pathway in amyloid-Î²-induced neuronal cell death. Bioorganic and Medicinal Chemistry, 2011, 19, 4021-4027.	3.0	113
5	Serine 129 Phosphorylation Reduces the Ability of Î±-Synuclein to Regulate Tyrosine Hydroxylase and Protein Phosphatase 2A in Vitro and in Vivo. Journal of Biological Chemistry, 2010, 285, 17648-17661.	3.4	105
6	Increased dopamine turnover after partial loss of dopaminergic neurons: compensation or toxicity?. Parkinsonism and Related Disorders, 2002, 8, 389-393.	2.2	97
7	Alpha-synuclein inhibits aromatic amino acid decarboxylase activity in dopaminergic cells. Journal of Neurochemistry, 2006, 99, 1188-1196.	3.9	93
8	Î±-Synuclein aggregation alters tyrosine hydroxylase phosphorylation and immunoreactivity: Lessons from viral transduction of knockout mice. Neuroscience Letters, 2008, 435, 24-29.	2.1	91
9	Effects of GDNF on 6â€OHDAâ€induced death in a dopaminergic cell line: Modulation by inhibitors of PI3 kinase and MEK. Journal of Neuroscience Research, 2003, 73, 105-112.	2.9	78
10	Sâ€allyl cysteine activates the Nrf2â€dependent antioxidant response and protects neurons against ischemic injury in vitro and in vivo. Journal of Neurochemistry, 2015, 133, 298-308.	3.9	78
11	14-3-3Î¶ Contributes to Tyrosine Hydroxylase Activity in MN9D Cells. Journal of Biological Chemistry, 2009, 284, 14011-14019.	3.4	72
12	Î±-Synuclein binds the K_{ATP} channel at insulin-secretory granules and inhibits insulin secretion. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E276-E286.	3.5	71
13	FTY720/Fingolimod Reduces Synucleinopathy and Improves Gut Motility in A53T Mice. Journal of Biological Chemistry, 2016, 291, 20811-20821.	3.4	62
14	FTY720 Attenuates 6-OHDA-Associated Dopaminergic Degeneration in Cellular and Mouse Parkinsonian Models. Neurochemical Research, 2017, 42, 686-696.	3.3	55
15	Rapid activation of ERK by 6â€hydroxydopamine promotes survival of dopaminergic cells. Journal of Neuroscience Research, 2008, 86, 108-117.	2.9	54
16	Nonâ€motor parkinsonian pathology in aging A53T Î±â€synuclein mice is associated with progressive synucleinopathy and altered enzymatic function. Journal of Neurochemistry, 2014, 128, 536-546.	3.9	50
17	Eriodictyol-7-O-glucoside activates Nrf2 and protects against cerebral ischemic injury. Toxicology and Applied Pharmacology, 2013, 273, 672-679.	2.8	43
18	6â€hydroxydopamine induces dopaminergic cell degeneration via a caspaseâ€9â€mediated apoptotic pathway that is attenuated by caspaseâ€9dn expression. Journal of Neuroscience Research, 2004, 77, 747-761.	2.9	35

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19	Cholinesterase Inhibitor Therapy in Alzheimerâ€™s Disease: The Limits and Tolerability of Irreversible CNS-Selective Acetylcholinesterase Inhibition in Primates. Journal of Alzheimer's Disease, 2016, 55, 1285-1294.	2.6	34
20	A Pilot Microbiota Study in Parkinsonâ€™s Disease Patients versus Control Subjects, and Effects of FTY720 and FTY720-Mitoxy Therapies in Parkinsonian and Multiple System Atrophy Mouse Models. Journal of Parkinson's Disease, 2020, 10, 185-192.	2.8	32
21	FTY720 Improves Behavior, Increases Brain Derived Neurotrophic Factor Levels and Reduces Î±-Synuclein Pathology in Parkinsonian GM2 +/â^' Mice. Neuroscience, 2019, 411, 1-10.	2.3	31
22	Novel FTY720-Based Compounds Stimulate Neurotrophin Expression and Phosphatase Activity in Dopaminergic Cells. ACS Medicinal Chemistry Letters, 2014, 5, 782-786.	2.8	30
23	FTY720 (Fingolimod) reverses Î±-synuclein-induced downregulation of brain-derived neurotrophic factor mRNA in OLN-93 oligodendroglial cells. Neuropharmacology, 2017, 117, 149-157.	4.1	27
24	Regional distribution of DARPP-32 (Dopamine- 0Mr = 32,000) mRNA in mouse brain. Journal of Comparative Neurology, 1992, 318, 304-315.	1.6	25
25	<scp>APP</scp> independent and dependent effects on neurite outgrowth are modulated by the receptor associated protein (<scp>RAP</scp>). Journal of Neurochemistry, 2013, 124, 123-132.	3.9	20
26	Up-regulation of protective neuronal MicroRNAs by FTY720 and novel FTY720-derivatives. Neuroscience Letters, 2019, 690, 178-180.	2.1	19
27	FTY720-Mitoxy reduces synucleinopathy and neuroinflammation, restores behavior and mitochondria function, and increases GDNF expression in Multiple System Atrophy mouse models. Experimental Neurology, 2020, 325, 113120.	4.1	16
28	The endocytotic pathway is required for increased AÎ²42 secretion during apoptosis. Molecular Brain Research, 2004, 128, 201-211.	2.3	12
29	Anti-Neurodegenerative Benefits of Acetylcholinesterase Inhibitors in Alzheimerâ€™s Disease: Nexus of Cholinergic and Nerve Growth Factor Dysfunction. Current Alzheimer Research, 2021, 18, 1010-1022.	1.4	12
30	Could Î±-Synuclein Modulation of Insulin and Dopamine Identify a Novel Link Between Parkinsonâ€™s Disease and Diabetes as Well as Potential Therapies?. Frontiers in Molecular Neuroscience, 2018, 11, 465.	2.9	11
31	FTY720-Mitoxy reduces toxicity associated with MSA-like Î±-synuclein and oxidative stress by increasing trophic factor expression and myelin protein in OLN-93 oligodendroglia cell cultures. Neuropharmacology, 2019, 158, 107701.	4.1	11
32	FTY720-derivatives do not induce FTY720-like lymphopenia. Journal of Pharmacological Sciences, 2017, 133, 187-189.	2.5	10
33	Preclinical Metabolism, Pharmacokinetics and In Vivo Analysis of New Blood-Brain-Barrier Penetrant Fingolimod Analogues: FTY720-C2 and FTY720-Mitoxy. PLoS ONE, 2016, 11, e0162162.	2.5	8
34	Parkinsonian GM2 synthase knockout mice lacking mature gangliosides develop urinary dysfunction and neurogenic bladder. Experimental Neurology, 2019, 311, 265-273.	4.1	8
35	Editorial: The Protein Alpha-Synuclein: Its Normal Role (in Neurons) and Its Role in Disease. Frontiers in Neuroscience, 2020, 14, 116.	2.8	8
36	Sphingosineâ€1â€phosphate receptorâ€independent lung endothelial cell barrier disruption induced by FTY720 regioisomers. Pulmonary Circulation, 2020, 10, 1-10.	1.7	8

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37	Recombinant α- β- and γ-Synucleins Stimulate Protein Phosphatase 2A Catalytic Subunit Activity in Cell Free Assays. Journal of Visualized Experiments, 2017, , .	0.3	7