

Patricia Gonzalez Rodriguez

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

991
citations

567281

15
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1437
citing authors

#	ARTICLE	IF	CITATIONS
1	Disruption of mitochondrial complex I induces progressive parkinsonism. <i>Nature</i> , 2021, 599, 650-656.	27.8	247
2	Oxygen Sensing by Arterial Chemoreceptors Depends on Mitochondrial Complex I Signaling. <i>Cell Metabolism</i> , 2015, 22, 825-837.	16.2	180
3	Oxygen sensing by the carotid body: mechanisms and role in adaptation to hypoxia. <i>American Journal of Physiology - Cell Physiology</i> , 2016, 310, C629-C642.	4.6	99
4	Acute O ₂ Sensing: Role of Coenzyme QH ₂ /Q Ratio and Mitochondrial ROS Compartmentalization. <i>Cell Metabolism</i> , 2018, 28, 145-158.e4.	16.2	75
5	Oxygen-sensing by arterial chemoreceptors: Mechanisms and medical translation. <i>Molecular Aspects of Medicine</i> , 2016, 47-48, 90-108.	6.4	50
6	Selective neuronal vulnerability in Parkinson's disease. <i>Progress in Brain Research</i> , 2020, 252, 61-89.	1.4	43
7	Highly Efficient Neural Conversion of Human Pluripotent Stem Cells in Adherent and Animal-Free Conditions. <i>Stem Cells Translational Medicine</i> , 2017, 6, 1217-1226.	3.3	37
8	Redox signaling in acute oxygen sensing. <i>Redox Biology</i> , 2017, 12, 908-915.	9.0	35
9	Glucose sensing by carotid body glomus cells: potential implications in disease. <i>Frontiers in Physiology</i> , 2014, 5, 398.	2.8	34
10	Orai1 and TRPC1 Proteins Co-localize with Ca _v 1.2 Channels to Form a Signal Complex in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2016, 291, 21148-21159.	3.4	33
11	Short Communication: Genetic Ablation of L-Type Ca ²⁺ Channels Abolishes Depolarization-Induced Ca ²⁺ Release in Arterial Smooth Muscle. <i>Circulation Research</i> , 2010, 106, 1285-1289.	4.5	25
12	Fast neurogenesis from carotid body quiescent neuroblasts accelerates adaptation to hypoxia. <i>EMBO Reports</i> , 2018, 19, .	4.5	25
13	Genetic Rescue of Mitochondrial and Skeletal Muscle Impairment in an Induced Pluripotent Stem Cells Model of Coenzyme Q10 Deficiency. <i>Stem Cells</i> , 2017, 35, 1687-1703.	3.2	24
14	Hypoxic induction of L-type Ca ²⁺ channels in rat cardiac myocytes: role of HIF-1 α and RhoA/ROCK signalling. <i>Journal of Physiology</i> , 2015, 593, 4729-4745.	2.9	23
15	Selective accumulation of biotin in arterial chemoreceptors: requirement for carotid body exocytotic dopamine secretion. <i>Journal of Physiology</i> , 2016, 594, 7229-7248.	2.9	20
16	Tungstate activates BK channels in a β subunit- and Mg ²⁺ -dependent manner: relevance for arterial vasodilatation. <i>Cardiovascular Research</i> , 2012, 95, 29-38.	3.8	12
17	A New Metabotropic Role for L-type Ca ²⁺ Channels in Vascular Smooth Muscle Contraction. <i>Current Vascular Pharmacology</i> , 2013, 11, 490-496.	1.7	10
18	Expression Pattern of Aquaporin 1 and Aquaporin 3 in Melanocytic and Nonmelanocytic Skin Tumors. <i>American Journal of Clinical Pathology</i> , 2019, 152, 446-457.	0.7	7

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19	Low-dose combination of Rho kinase and L-type Ca ²⁺ channel antagonists for selective inhibition of depolarization-induced sustained arterial contraction. <i>European Journal of Pharmacology</i> , 2014, 732, 130-138.	3.5	6
20	Neurotransmitter Modulation of Carotid Body Germinal Niche. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8231.	4.1	5