

M Teresa Perez-Garcia

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1696523/publications.pdf>

Version: 2024-02-01

65
papers

3,105
citations

126907

33
h-index

155660

55
g-index

67
all docs

67
docs citations

67
times ranked

2941
citing authors

#	ARTICLE	IF	CITATIONS
1	TRPA1 channels mediate acute neurogenic inflammation and pain produced by bacterial endotoxins. Nature Communications, 2014, 5, 3125.	12.8	361
2	Kv β 1.2 Subunit Coexpression in HEK293 Cells Confers O ₂ Sensitivity to Kv4.2 but not to Shaker Channels. Journal of General Physiology, 1999, 113, 897-907.	1.9	150
3	O ₂ Modulates Large-Conductance Ca ²⁺ -Dependent K ⁺ Channels of Rat Chemoreceptor Cells by a Membrane-Restricted and CO-Sensitive Mechanism. Circulation Research, 2001, 89, 430-436.	4.5	148
4	Functional association of the beta 1 subunit with human cardiac (hH1) and rat skeletal muscle (μ 1) sodium channel alpha subunits expressed in Xenopus oocytes.. Journal of General Physiology, 1995, 106, 1171-1191.	1.9	134
5	External pore residue mediates slow inactivation in μ 1 rat skeletal muscle sodium channels.. Journal of Physiology, 1996, 494, 431-442.	2.9	123
6	Structure of the sodium channel pore revealed by serial cysteine mutagenesis.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 300-304.	7.1	111
7	Depth Asymmetries of the Pore-Lining Segments of the Na ⁺ Channel Revealed by Cysteine Mutagenesis. Neuron, 1996, 16, 1037-1047.	8.1	109
8	Lipin-2 regulates NLRP3 inflammasome by affecting P2X7 receptor activation. Journal of Experimental Medicine, 2017, 214, 511-528.	8.5	92
9	Characterization of the Kv channels of mouse carotid body chemoreceptor cells and their role in oxygen sensing. Journal of Physiology, 2004, 557, 457-471.	2.9	79
10	Enhancement of ionic current and charge movement by coexpression of calcium channel beta 1A subunit with alpha 1C subunit in a human embryonic kidney cell line.. Journal of Physiology, 1996, 492, 89-96.	2.9	78
11	Functional properties of cardiac L-type calcium channels transiently expressed in HEK293 cells. Roles of alpha 1 and beta subunits.. Journal of General Physiology, 1995, 105, 289-305.	1.9	77
12	A mutation in the pore of the sodium channel alters gating. Biophysical Journal, 1995, 68, 1814-1827.	0.5	77
13	Properties of ionic currents from isolated adult rat carotid body chemoreceptor cells: effect of hypoxia.. Journal of Physiology, 1997, 499, 429-441.	2.9	76
14	Molecular identification of Kv β subunits that contribute to the oxygen-sensitive K ⁺ current of chemoreceptor cells of the rabbit carotid body. Journal of Physiology, 2002, 542, 369-382.	2.9	76
15	Kv1.3 Channels Can Modulate Cell Proliferation During Phenotypic Switch by an Ion-Flux Independent Mechanism. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1299-1307.	2.4	68
16	Control of ion flux and selectivity by negatively charged residues in the outer mouth of rat sodium channels.. Journal of Physiology, 1996, 491, 51-59.	2.9	65
17	The secret life of ion channels: Kv1.3 potassium channels and proliferation. American Journal of Physiology - Cell Physiology, 2018, 314, C27-C42.	4.6	63
18	Presence of D1 receptors in the rabbit carotid body. Neuroscience Letters, 1991, 132, 259-262.	2.1	61

#	ARTICLE	IF	CITATIONS
19	Effects of Different Types of Stimulation on Cyclic AMP Content in the Rabbit Carotid Body: Functional Significance. <i>Journal of Neurochemistry</i> , 1990, 55, 1287-1293.	3.9	60
20	Contribution of Kv Channels to Phenotypic Remodeling of Human Uterine Artery Smooth Muscle Cells. <i>Circulation Research</i> , 2005, 97, 1280-1287.	4.5	57
21	Characterization of Ion Channels Involved in the Proliferative Response of Femoral Artery Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1203-1211.	2.4	53
22	Viral Gene Transfer of Dominant-Negative Kv4 Construct Suppresses an O ₂ -Sensitive K ⁺ Current in Chemoreceptor Cells. <i>Journal of Neuroscience</i> , 2000, 20, 5689-5695.	3.6	48
23	Cellular mechanisms of oxygen chemoreception in the carotid body. <i>Respiration Physiology</i> , 1995, 102, 137-147.	2.7	45
24	Differential modulation of Kv4.2 and Kv4.3 channels by calmodulin-dependent protein kinase II in rat cardiac myocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1978-H1987.	3.2	45
25	<i>De novo</i> expression of Kv6.3 contributes to changes in vascular smooth muscle cell excitability in a hypertensive mice strain. <i>Journal of Physiology</i> , 2009, 587, 625-640.	2.9	45
26	Mechanisms of sodium/calcium selectivity in sodium channels probed by cysteine mutagenesis and sulfhydryl modification. <i>Biophysical Journal</i> , 1997, 72, 989-996.	0.5	43
27	Molecular Determinants of Kv1.3 Potassium Channels-induced Proliferation. <i>Journal of Biological Chemistry</i> , 2016, 291, 3569-3580.	3.4	43
28	Cyclic AMP Modulates Differentially the Release of Dopamine Induced by Hypoxia and Other Stimuli and Increases Dopamine Synthesis in the Rabbit Carotid Body. <i>Journal of Neurochemistry</i> , 1991, 57, 1992-2000.	3.9	42
29	Characterization of cultured chemoreceptor cells dissociated from adult rabbit carotid body. <i>American Journal of Physiology - Cell Physiology</i> , 1992, 263, C1152-C1159.	4.6	41
30	Regulation of Smooth Muscle Dystrophin and Synaptopodin 2 Expression by Actin Polymerization and Vascular Injury. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1489-1497.	2.4	40
31	Down regulation of Kv3.4 channels by chronic hypoxia increases acute oxygen sensitivity in rabbit carotid body. <i>Journal of Physiology</i> , 2005, 566, 395-408.	2.9	39
32	Comparative gene expression profile of mouse carotid body and adrenal medulla under physiological hypoxia. <i>Journal of Physiology</i> , 2005, 566, 491-503.	2.9	37
33	High blood pressure associates with the remodelling of inward rectifier K ⁺ channels in mice mesenteric vascular smooth muscle cells. <i>Journal of Physiology</i> , 2012, 590, 6075-6091.	2.9	36
34	Kv1.3 channels modulate human vascular smooth muscle cells proliferation independently of mTOR signaling pathway. <i>Pflugers Archiv European Journal of Physiology</i> , 2015, 467, 1711-1722.	2.8	33
35	Ventilatory responses and carotid body function in adult rats perinatally exposed to hyperoxia. <i>Journal of Physiology</i> , 2004, 554, 126-144.	2.9	32
36	Oxygen sensitive Kv channels in the carotid body. <i>Respiratory Physiology and Neurobiology</i> , 2007, 157, 65-74.	1.6	32

#	ARTICLE	IF	CITATIONS
37	Differences in TRPC3 and TRPC6 channels assembly in mesenteric vascular smooth muscle cells in essential hypertension. <i>Journal of Physiology</i> , 2017, 595, 1497-1513.	2.9	31
38	Cinnamaldehyde inhibits L-type calcium channels in mouse ventricular cardiomyocytes and vascular smooth muscle cells. <i>Pflügers Archiv European Journal of Physiology</i> , 2014, 466, 2089-2099.	2.8	30
39	Mechanisms of alpha2-adrenoceptor-mediated inhibition in rabbit carotid body. <i>American Journal of Physiology - Cell Physiology</i> , 1997, 272, C628-C637.	4.6	29
40	Downregulation of Ca _v 1.2 channels during hypertension: how fewer Ca _v 1.2 channels allow more Ca ²⁺ into hypertensive arterial smooth muscle. <i>Journal of Physiology</i> , 2013, 591, 6175-6191.	2.9	29
41	Cell cycle-dependent expression of Kv3.4 channels modulates proliferation of human uterine artery smooth muscle cells. <i>Cardiovascular Research</i> , 2010, 86, 383-391.	3.8	24
42	Î5-Integrin-mediated cellular signaling contributes to the myogenic response of cerebral resistance arteries. <i>Biochemical Pharmacology</i> , 2015, 97, 281-291.	4.4	22
43	Are Kv Channels the Essence of O ₂ Sensing?. <i>Circulation Research</i> , 2000, 86, 490-491.	4.5	21
44	Association of Circulating microRNAs with Coronary Artery Disease and Usefulness for Reclassification of Healthy Individuals: The REGICOR Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 1402.	2.4	21
45	Phenotypic Modulation of Cultured Primary Human Aortic Vascular Smooth Muscle Cells by Uremic Serum. <i>Frontiers in Physiology</i> , 2018, 9, 89.	2.8	20
46	Activation of the cation channel TRPM3 in perivascular nerves induces vasodilation of resistance arteries. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 129, 219-230.	1.9	18
47	K ⁺ Channels Expression in Hypertension After Arterial Injury, and Effect of Selective Kv1.3 Blockade with PAP-1 on Intimal Hyperplasia Formation. <i>Cardiovascular Drugs and Therapy</i> , 2014, 28, 501-511.	2.6	17
48	Effects of Almitrine Bismesylate on the Ionic Currents of Chemoreceptor Cells from the Carotid Body. <i>Molecular Pharmacology</i> , 1998, 53, 330-339.	2.3	16
49	Oxygen-sensitive Potassium Channels in Chemoreceptor Cell Physiology. <i>Annals of the New York Academy of Sciences</i> , 2009, 1177, 82-88.	3.8	16
50	Kv1.3 blockade inhibits proliferation of vascular smooth muscle cells in vitro and intimal hyperplasia in vivo. <i>Translational Research</i> , 2020, 224, 40-54.	5.0	11
51	Tungstate-Targeting of BK _{1.1} Channels Tunes ERK Phosphorylation and Cell Proliferation in Human Vascular Smooth Muscle. <i>PLoS ONE</i> , 2015, 10, e0118148.	2.5	11
52	Kv channels and vascular smooth muscle cell proliferation. <i>Microcirculation</i> , 2018, 25, e12427.	1.8	9
53	Myocardin-Dependent Kv1.5 Channel Expression Prevents Phenotypic Modulation of Human Vessels in Organ Culture. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, e273-e286.	2.4	8
54	Voltage-dependent conformational changes of Kv1.3 channels activate cell proliferation. <i>Journal of Cellular Physiology</i> , 2021, 236, 4330-4347.	4.1	8

#	ARTICLE	IF	CITATIONS
55	An ASIC Channel for Acid Chemotransduction. <i>Circulation Research</i> , 2007, 101, 965-967.	4.5	7
56	Functional Identification of Kv β Subunits Contributing to the O ₂ -Sensitive K ⁺ Current in Rabbit Carotid Body Chemoreceptor Cells. <i>Advances in Experimental Medicine and Biology</i> , 2003, 536, 33-39.	1.6	7
57	Neurotransmitters and Second Messenger Systems in the Carotid Body. <i>Advances in Experimental Medicine and Biology</i> , 1993, 337, 279-287.	1.6	7
58	A Role for DPPX Modulating External TEA Sensitivity of Kv4 Channels. <i>Journal of General Physiology</i> , 2008, 131, 455-471.	1.9	6
59	Proliferative Role of Kv11 Channels in Murine Arteries. <i>Frontiers in Physiology</i> , 2017, 8, 500.	2.8	6
60	Elastin-like recombinamer-based devices releasing Kv1.3 blockers for the prevention of intimal hyperplasia: An in vitro and in vivo study. <i>Acta Biomaterialia</i> , 2020, 115, 264-274.	8.3	6
61	miR-126 contributes to the epigenetic signature of diabetic vascular smooth muscle and enhances antirestenosis effects of Kv1.3 blockers. <i>Molecular Metabolism</i> , 2021, 53, 101306.	6.5	4
62	Kv1.3 Channel Inhibition Limits Uremia-Induced Calcification in Mouse and Human Vascular Smooth Muscle. <i>Function</i> , 2020, 2, zqaa036.	2.3	2
63	Activation of TRPM3 in Perivascular Sensory Nerves Induces Dilatation of Mouse Resistance Arteries. <i>Biophysical Journal</i> , 2017, 112, 404a.	0.5	0
64	Voltage-Dependent Conformational Changes of KV1.3 Potassium Channels are an Essential Element for KV1.3-induced cell proliferation. <i>Biophysical Journal</i> , 2018, 114, 378a.	0.5	0
65	DPPX Modifies TEA Sensitivity of the Kv4 Channels in Rabbit Carotid Body Chemoreceptor Cells. <i>Advances in Experimental Medicine and Biology</i> , 2009, 648, 73-82.	1.6	0