# M Teresa Perez-Garcia

List of Publications by Year
in descending order



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|---|---|---|---|
| 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 | Voltageâ€dependent conformational changes of Kv1.3 channels activate cell proliferation. Journal of Cellular Physiology, 2021, 236, 4330-4347. | 4.1 | 8 |
| 2 | miR-126 contributes to the epigenetic signature of diabetic vascular smooth muscle and enhances antirestenosis effects of Kv1.3 blockers. Molecular Metabolism, 2021, 53, 101306. | 6.5 | 4 |
| 3 | Elastin-like recombinamer-based devices releasing Kv1.3 blockers for the prevention of intimal hyperplasia: An in vitro and in vivo study. Acta Biomaterialia, 2020, 115, 264-274. | 8.3 | 6 |
| 4 | Association of Circulating microRNAs with Coronary Artery Disease and Usefulness for Reclassification of Healthy Individuals: The REGICOR Study. Journal of Clinical Medicine, 2020, 9, 1402. | 2.4 | 21 |
| 5 | Kv1.3 blockade inhibits proliferation of vascular smooth muscle cells in vitro and intimal hyperplasia in vivo. Translational Research, 2020, 224, 40-54. | 5.0 | 11 |
| 6 | Kv1.3 Channel Inhibition Limits Uremia-Induced Calcification in Mouse and Human Vascular Smooth Muscle. Function, 2020, 2, zqaa036. | 2.3 | 2 |
| 7 | Myocardin-Dependent Kv1.5 Channel Expression Prevents Phenotypic Modulation of Human Vessels in Organ Culture. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, e273-e286. | 2.4 | 8 |
| 8 | Activation of the cation channel TRPM3 in perivascular nerves induces vasodilation of resistance arteries. Journal of Molecular and Cellular Cardiology, 2019, 129, 219-230. | 1.9 | 18 |
| 9 | 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 |
| 10 | Kv channels and vascular smooth muscle cell proliferation. Microcirculation, 2018, 25, e12427. | 1.8 | 9 |
| 11 | Voltage-Dependent Conformational Changes of KV1.3 Potassium Channels are an Essential Element for KV1.3-induced cell proliferation. Biophysical Journal, 2018, 114, 378a. | 0.5 | 0 |
| 12 | Phenotypic Modulation of Cultured Primary Human Aortic Vascular Smooth Muscle Cells by Uremic Serum. Frontiers in Physiology, 2018, 9, 89. | 2.8 | 20 |
| 13 | Activation of TRPM3 in Perivascular Sensory Nerves Induces Dilation of Mouse Resistance Arteries. Biophysical Journal, 2017, 112, 404a. | 0.5 | 0 |
| 14 | Lipin-2 regulates NLRP3 inflammasome by affecting P2X7 receptor activation. Journal of Experimental Medicine, 2017, 214, 511-528. | 8.5 | 92 |
| 15 | Differences in TRPC3 and TRPC6 channels assembly in mesenteric vascular smooth muscle cells in essential hypertension. Journal of Physiology, 2017, 595, 1497-1513. | 2.9 | 31 |
| 16 | Proliferative Role of Kv11 Channels in Murine Arteries. Frontiers in Physiology, 2017, 8, 500. | 2.8 | 6 |
| 17 | Molecular Determinants of Kv1.3 Potassium Channels-induced Proliferation. Journal of Biological Chemistry, 2016, 291, 3569-3580. | 3.4 | 43 |
| 18 | Kv1.3 channels modulate human vascular smooth muscle cells proliferation independently of mTOR signaling pathway. Pflugers Archiv European Journal of Physiology, 2015, 467, 1711-1722. | 2.8 | 33 |

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|---|---|---|---|
| 19 | Regulation of Smooth Muscle Dystrophin and Synaptopodin 2 Expression by Actin Polymerization and Vascular Injury. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1489-1497. | 2.4 | 40 |
| 20 | Î±5-Integrin-mediated cellular signaling contributes to the myogenic response of cerebral resistance arteries. Biochemical Pharmacology, 2015, 97, 281-291. | 4.4 | 22 |
| 21 | Tungstate-Targeting of BKÎ±Î²1 Channels Tunes ERK Phosphorylation and Cell Proliferation in Human Vascular Smooth Muscle. PLoS ONE, 2015, 10, e0118148. | 2.5 | 11 |
| 22 | Cinnamaldehyde inhibits L-type calcium channels in mouse ventricular cardiomyocytes and vascular smooth muscle cells. Pflugers Archiv European Journal of Physiology, 2014, 466, 2089-2099. | 2.8 | 30 |
| 23 | K+ Channels Expression in Hypertension After Arterial Injury, and Effect of Selective Kv1.3 Blockade with PAP-1 on Intimal Hyperplasia Formation. Cardiovascular Drugs and Therapy, 2014, 28, 501-511. | 2.6 | 17 |
| 24 | TRPA1 channels mediate acute neurogenic inflammation and pain produced by bacterial endotoxins. Nature Communications, 2014, 5, 3125. | 12.8 | 361 |
| 25 | Downâ€regulation of Ca<sub>V</sub>1.2 channels during hypertension: how fewer Ca<sub>V</sub>1.2 channels allow more Ca<sup>2+</sup> into hypertensive arterial smooth muscle. Journal of Physiology, 2013, 591, 6175-6191. | 2.9 | 29 |
| 26 | 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 |
| 27 | High blood pressure associates with the remodelling of inward rectifier K<sup>+</sup> channels in mice mesenteric vascular smooth muscle cells. Journal of Physiology, 2012, 590, 6075-6091. | 2.9 | 36 |
| 28 | Characterization of Ion Channels Involved in the Proliferative Response of Femoral Artery Smooth Muscle Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1203-1211. | 2.4 | 53 |
| 29 | Cell cycle-dependent expression of Kv3.4 channels modulates proliferation of human uterine artery smooth muscle cells. Cardiovascular Research, 2010, 86, 383-391. | 3.8 | 24 |
| 30 | <i>De novo</i> expression of Kv6.3 contributes to changes in vascular smooth muscle cell excitability in a hypertensive mice strain. Journal of Physiology, 2009, 587, 625-640. | 2.9 | 45 |
| 31 | Oxygenâ€Sensitive Potassium Channels in Chemoreceptor Cell Physiology. Annals of the New York Academy of Sciences, 2009, 1177, 82-88. | 3.8 | 16 |
| 32 | DPPX Modifies TEA Sensitivity of the Kv4 Channels in Rabbit Carotid Body Chemoreceptor Cells. Advances in Experimental Medicine and Biology, 2009, 648, 73-82. | 1.6 | 0 |
| 33 | A Role for DPPX Modulating External TEA Sensitivity of Kv4 Channels. Journal of General Physiology, 2008, 131, 455-471. | 1.9 | 6 |
| 34 | An ASIC Channel for Acid Chemotransduction. Circulation Research, 2007, 101, 965-967. | 4.5 | 7 |
| 35 | Oxygen sensitive Kv channels in the carotid body. Respiratory Physiology and Neurobiology, 2007, 157, 65-74. | 1.6 | 32 |
| 36 | Differential modulation of Kv4.2 and Kv4.3 channels by calmodulin-dependent protein kinase II in rat cardiac myocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H1978-H1987. | 3.2 | 45 |

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| 37 | Down regulation of Kv3.4 channels by chronic hypoxia increases acute oxygen sensitivity in rabbit carotid body. Journal of Physiology, 2005, 566, 395-408. | 2.9 | 39 |
| 38 | Comparative gene expression profile of mouse carotid body and adrenal medulla under physiological hypoxia. Journal of Physiology, 2005, 566, 491-503. | 2.9 | 37 |
| 39 | Contribution of Kv Channels to Phenotypic Remodeling of Human Uterine Artery Smooth Muscle Cells. Circulation Research, 2005, 97, 1280-1287. | 4.5 | 57 |
| 40 | 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 |
| 41 | Ventilatory responses and carotid body function in adult rats perinatally exposed to hyperoxia. Journal of Physiology, 2004, 554, 126-144. | 2.9 | 32 |
| 42 | Functional Identification of KvÎ± Subunits Contributing to the O2-Sensitive K+ Current in Rabbit Carotid Body Chemoreceptor Cells. Advances in Experimental Medicine and Biology, 2003, 536, 33-39. | 1.6 | 7 |
| 43 | Molecular identification of KvÎ± subunits that contribute to the oxygenâ€sensitive K<sup>+</sup> current of chemoreceptor cells of the rabbit carotid body. Journal of Physiology, 2002, 542, 369-382. | 2.9 | 76 |
| 44 | O<sub>2</sub>Modulates Large-Conductance Ca<sup>2+</sup>-Dependent K<sup>+</sup>Channels of Rat Chemoreceptor Cells by a Membrane-Restricted and CO-Sensitive Mechanism. Circulation Research, 2001, 89, 430-436. | 4.5 | 148 |
| 45 | Viral Gene Transfer of Dominant-Negative Kv4 Construct Suppresses an O<sub>2</sub>-Sensitive K<sup>+</sup>Current in Chemoreceptor Cells. Journal of Neuroscience, 2000, 20, 5689-5695. | 3.6 | 48 |
| 46 | Are Kv Channels the Essence of O <sub>2</sub> Sensing?. Circulation Research, 2000, 86, 490-491. | 4.5 | 21 |
| 47 | KvÎ²1.2 Subunit Coexpression in HEK293 Cells Confers O2 Sensitivity to Kv4.2 but not to Shaker Channels. Journal of General Physiology, 1999, 113, 897-907. | 1.9 | 150 |
| 48 | Effects of Almitrine Bismesylate on the Ionic Currents of Chemoreceptor Cells from the Carotid Body. Molecular Pharmacology, 1998, 53, 330-339. | 2.3 | 16 |
| 49 | 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 |
| 50 | Mechanisms of sodium/calcium selectivity in sodium channels probed by cysteine mutagenesis and sulfhydryl modification. Biophysical Journal, 1997, 72, 989-996. | 0.5 | 43 |
| 51 | Mechanisms of alpha2-adrenoceptor-mediated inhibition in rabbit carotid body. American Journal of Physiology - Cell Physiology, 1997, 272, C628-C637. | 4.6 | 29 |
| 52 | Depth Asymmetries of the Pore-Lining Segments of the Na+ Channel Revealed by Cysteine Mutagenesis. Neuron, 1996, 16, 1037-1047. | 8.1 | 109 |
| 53 | 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 |
| 54 | External pore residue mediates slow inactivation in mu 1 rat skeletal muscle sodium channels.. Journal of Physiology, 1996, 494, 431-442. | 2.9 | 123 |

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| 55 | 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 |
| 56 | 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 |
| 57 | 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 |
| 58 | Functional association of the beta 1 subunit with human cardiac (hH1) and rat skeletal muscle (mu 1) sodium channel alpha subunits expressed in Xenopus oocytes.. Journal of General Physiology, 1995, 106, 1171-1191. | 1.9 | 134 |
| 59 | Cellular mechanisms of oxygen chemoreception in the carotid body. Respiration Physiology, 1995, 102, 137-147. | 2.7 | 45 |
| 60 | A mutation in the pore of the sodium channel alters gating. Biophysical Journal, 1995, 68, 1814-1827. | 0.5 | 77 |
| 61 | Neurotransmitters and Second Messenger Systems in the Carotid Body. Advances in Experimental Medicine and Biology, 1993, 337, 279-287. | 1.6 | 7 |
| 62 | Characterization of cultured chemoreceptor cells dissociated from adult rabbit carotid body. American Journal of Physiology - Cell Physiology, 1992, 263, C1152-C1159. | 4.6 | 41 |
| 63 | Presence of D1 receptors in the rabbit carotid body. Neuroscience Letters, 1991, 132, 259-262. | 2.1 | 61 |
| 64 | Cyclic AMP Modulates Differentially the Release of Dopamine Induced by Hypoxia and Other Stimuli and Increases Dopamine Synthesis in the Rabbit Carotid Body. Journal of Neurochemistry, 1991, 57, 1992-2000. | 3.9 | 42 |
| 65 | Effects of Different Types of Stimulation on Cyclic AMP Content in the Rabbit Carotid Body: Functional Significance. Journal of Neurochemistry, 1990, 55, 1287-1293. | 3.9 | 60 |