# Aldo A RodrÃ-guez-Menchaca

List of Publications by Year
in descending order



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|---|---|---|---|
| 43 papers | 801 citations | 516710 16 h-index | 526287 27 g-index |
| 44 all docs | 44 docs citations | 44 times ranked | 1089 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The molecular basis of chloroquine block of the inward rectifier Kir2.1 channel. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1364-1368. | 7.1 | 118 |
| 2 | PIP <sub>2</sub> controls voltage-sensor movement and pore opening of Kv channels through the S4â€“S5 linker. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E2399-408. | 7.1 | 84 |
| 3 | A sodium-mediated structural switch that controls the sensitivity of Kir channels to PtdIns(4,5)P2. Nature Chemical Biology, 2008, 4, 624-631. | 8.0 | 48 |
| 4 | Dual Regulation of Voltage-Sensitive Ion Channels by PIP2. Frontiers in Pharmacology, 2012, 3, 170. | 3.5 | 45 |
| 5 | Tamoxifen Inhibits Inward Rectifier K<sup>+</sup> 2.x Family of Inward Rectifier Channels by Interfering with Phosphatidylinositol 4,5-Bisphosphate-Channel Interactions. Journal of Pharmacology and Experimental Therapeutics, 2009, 331, 563-573. | 2.5 | 41 |
| 6 | Block of hERG Channels by Berberine. Journal of Cardiovascular Pharmacology, 2006, 47, 21-29. | 1.9 | 38 |
| 7 | Hypercholesterolemia Induces Up-regulation of KACh Cardiac Currents via a Mechanism Independent of Phosphatidylinositol 4,5-Bisphosphate and Gî²î³. Journal of Biological Chemistry, 2012, 287, 4925-4935. | 3.4 | 36 |
| 8 | Distant Cytosolic Residues Mediate a Two-way Molecular Switch That Controls the Modulation of Inwardly Rectifying Potassium (Kir) Channels by Cholesterol and Phosphatidylinositol 4,5-Bisphosphate (PI(4,5)P2). Journal of Biological Chemistry, 2012, 287, 40266-40278. | 3.4 | 27 |
| 9 | Extracellular protons enable activation of the calciumâ€dependent chloride channel TMEM16A. Journal of Physiology, 2017, 595, 1515-1531. | 2.9 | 27 |
| 10 | S(+)amphetamine induces a persistent leak in the human dopamine transporter: molecular stent hypothesis. British Journal of Pharmacology, 2012, 165, 2749-2757. | 5.4 | 26 |
| 11 | Revealing the activation pathway for TMEM16A chloride channels from macroscopic currents and kinetic models. Pflugers Archiv European Journal of Physiology, 2016, 468, 1241-1257. | 2.8 | 26 |
| 12 | Kv1.5 Open Channel Block by the Antiarrhythmic Drug Disopyramide: Molecular Determinants of Block. Journal of Pharmacological Sciences, 2008, 108, 49-55. | 2.5 | 24 |
| 13 | The Antimalarial Drug Mefloquine Inhibits Cardiac Inward Rectifier K+ Channels: Evidence for Interference in PIP2-Channel Interaction. Journal of Cardiovascular Pharmacology, 2011, 57, 407-415. | 1.9 | 22 |
| 14 | Inhibition of cardiac HERG potassium channels by antidepressant maprotiline. European Journal of Pharmacology, 2006, 531, 1-8. | 3.5 | 19 |
| 15 | Mechanisms for Kir channel inhibition by quinacrine: acute pore block of Kir2.x channels and interference in PIP2 interaction with Kir2.x and Kir6.2 channels. Pflugers Archiv European Journal of Physiology, 2011, 462, 505-517. | 2.8 | 19 |
| 16 | Chloroquine inhibits tumor-related Kv10.1 channel and decreases migration of MDA-MB-231 breast cancer cells in vitro. European Journal of Pharmacology, 2019, 855, 262-266. | 3.5 | 19 |
| 17 | Regulation of Kv2.1 channel inactivation by phosphatidylinositol 4,5-bisphosphate. Scientific Reports, 2018, 8, 1769. | 3.3 | 18 |
| 18 | Molecular Mechanisms of Chloroquine Inhibition of Heterologously Expressed Kir6.2/SUR2A Channels. Molecular Pharmacology, 2012, 82, 803-813. | 2.3 | 16 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Chloroquine blocks the Kir4.1 channels by an open-pore blocking mechanism. European Journal of Pharmacology, 2017, 800, 40-47. | 3.5 | 15 |
| 20 | High-potency block of Kir4.1 channels by pentamidine: Molecular basis. European Journal of Pharmacology, 2017, 815, 56-63. | 3.5 | 13 |
| 21 | Regulation of Kv7.2/Kv7.3 channels by cholesterol: Relevance of an optimum plasma membrane cholesterol content. Biochimica Et Biophysica Acta - Biomembranes, 2018, 1860, 1242-1251. | 2.6 | 13 |
| 22 | Inhibition of Kir4.1 potassium channels by quinacrine. Brain Research, 2017, 1663, 87-94. | 2.2 | 11 |
| 23 | Functional marriage in plasma membrane: Critical cholesterol levelâ€“optimal protein activity. British Journal of Pharmacology, 2020, 177, 2456-2465. | 5.4 | 11 |
| 24 | Thiopental inhibits function of different inward rectifying potassium channel isoforms by a similar mechanism. European Journal of Pharmacology, 2010, 638, 33-41. | 3.5 | 10 |
| 25 | Modulation of Kv2.1 channels inactivation by curcumin. Pharmacological Reports, 2015, 67, 1273-1279. | 3.3 | 9 |
| 26 | Phytochemicals genistein and capsaicin modulate Kv2.1 channel gating. Pharmacological Reports, 2017, 69, 1145-1153. | 3.3 | 8 |
| 27 | In vitro and in silico characterization of the inhibition of Kir4.1 channels by aminoglycoside antibiotics. British Journal of Pharmacology, 2020, 177, 4548-4560. | 5.4 | 8 |
| 28 | Dual regulation of hEAG1 channels by phosphatidylinositol 4,5-bisphosphate. Biochemical and Biophysical Research Communications, 2018, 503, 2531-2535. | 2.1 | 7 |
| 29 | Voltage-induced structural modifications on M2 muscarinic receptor and their functional implications when interacting with the superagonist iperoxo. Biochemical Pharmacology, 2020, 177, 113961. | 4.4 | 7 |
| 30 | Inhibition of CaV2.3 channels by NK1 receptors is sensitive to membrane cholesterol but insensitive to caveolin-1. Pflugers Archiv European Journal of Physiology, 2015, 467, 1699-1709. | 2.8 | 6 |
| 31 | The molecular basis of chloroethylclonidine block of inward rectifier (Kir2.1 and Kir4.1) K + channels. Pharmacological Reports, 2016, 68, 383-389. | 3.3 | 6 |
| 32 | Impact of the whole-cell patch-clamp configuration on the pharmacological assessment of the hERG channel: Trazodone as a case example. Journal of Pharmacological and Toxicological Methods, 2014, 69, 237-244. | 0.7 | 5 |
| 33 | Modulation of the voltage-gated potassium channel Kv2.1 by the anti-tumor alkylphospholipid perifosine. Pharmacological Reports, 2016, 68, 457-461. | 3.3 | 5 |
| 34 | Kir4.1/Kir5.1 channels possess strong intrinsic inward rectification determined by a voltage-dependent K+-flux gating mechanism. Journal of General Physiology, 2021, 153, . | 1.9 | 5 |
| 35 | Determination of the size of lipid rafts studied through single-molecule FRET simulations. Biophysical Journal, 2021, 120, 2287-2295. | 0.5 | 4 |
| 36 | Cytoskeleton disruption affects Kv2.1 channel function and its modulation by PIP2. Journal of Physiological Sciences, 2019, 69, 513-521. | 2.1 | 2 |

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|---|---|---|---|
| 37 | The D3-dopaminergic Agonist 7-hydroxy-dipropylaminotetralin (7-OH-DPAT) Increases Cardiac Action Potential Duration and Blocks Human Ether-a-go-go-related Gene K+ Channel. Journal of Cardiovascular Pharmacology, 2006, 47, 656-662. | 1.9 | 1 |
| 38 | Riluzole inhibits Kv4.2 channels acting on the closed and closed inactivated states. European Journal of Pharmacology, 2021, 899, 174026. | 3.5 | 1 |
| 39 | Inhibitory effect of terfenadine on Kir2.1 and Kir2.3 channels. Acta Pharmaceutica, 2021, 71, 317-324. | 2.0 | 1 |
| 40 | Hypercholesterolemia Induces Upregulation of KACh Cardiac Currents. Biophysical Journal, 2012, 102, 301a. | 0.5 | 0 |
| 41 | Modulation of Kir Channels by Cholesterol and PI(4,5)P2 Is Controlled by a Two-Way Molecular Switch. Biophysical Journal, 2012, 102, 18a. | 0.5 | 0 |
| 42 | Distant Cytosolic Residues in Kir Channels Control Channel Gating and Modulation by Cholesterol and PI(4,5)P2. Biophysical Journal, 2013, 104, 24a-25a. | 0.5 | 0 |
| 43 | ParticipaciÃ³n de rafts en enfermedades neurolÃ³gicas. NeurologÃa, 2021, , . | 0.7 | 0 |