

# Rogelio Arellano

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

822  
citations

471371

17  
h-index

552653

26  
g-index

45  
all docs

45  
docs citations

45  
times ranked

938  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Sea anemone <i>Bartholomea annulata</i> venom inhibits voltage-gated Na <sup>+</sup> channels and activates GABA <sub>A</sub> receptors from mammals. <i>Scientific Reports</i> , 2022, 12, 5352.                                                         | 1.6 | 0         |
| 2  | GABA <sub>A</sub> Receptors Expressed in Oligodendrocytes Cultured from the Neonatal Rat Contain $\alpha 3$ and $\beta 1$ Subunits and Present Differential Functional and Pharmacological Properties. <i>Molecular Pharmacology</i> , 2021, 99, 133-146. | 1.0 | 6         |
| 3  | Therapeutic Potential of GABAergic Signaling in Myelin Plasticity and Repair. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 662191.                                                                                                       | 1.8 | 4         |
| 4  | Demyelination and Remyelination of the Rat Caudal Cerebellar Peduncle Evaluated with Magnetic Resonance Imaging. <i>Neuroscience</i> , 2020, 439, 255-267.                                                                                                | 1.1 | 11        |
| 5  | Expression and Function of GABA Receptors in Myelinating Cells. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 256.                                                                                                                                | 1.8 | 31        |
| 6  | P2X7 Receptors as a Therapeutic Target in Cerebrovascular Diseases. <i>Frontiers in Molecular Neuroscience</i> , 2020, 13, 92.                                                                                                                            | 1.4 | 9         |
| 7  | Regulatory Mechanisms of Gap Junctional Communication in Crayfish Axons. , 2018, , 241-256.                                                                                                                                                               |     | 0         |
| 8  | GAT-1 mediated GABA uptake in rat oligodendrocytes. <i>Glia</i> , 2017, 65, 514-522.                                                                                                                                                                      | 2.5 | 18        |
| 9  | Dynamic properties of calcium-activated chloride currents in <i>Xenopus laevis</i> oocytes. <i>Scientific Reports</i> , 2017, 7, 41791.                                                                                                                   | 1.6 | 6         |
| 10 | Inwardly Rectifying K <sup>+</sup> Currents in Cultured Oligodendrocytes from Rat Optic Nerve are Insensitive to pH. <i>Neurochemical Research</i> , 2017, 42, 2443-2455.                                                                                 | 1.6 | 9         |
| 11 | Kca3.1 Activation Via P2y2 Purinergic Receptors Promotes Human Ovarian Cancer Cell (Skov-3) Migration. <i>Scientific Reports</i> , 2017, 7, 4340.                                                                                                         | 1.6 | 17        |
| 12 | Electrophysiological activity of a neurotoxic fraction from the venom of box jellyfish <i>Carybdea marsupialis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 191, 177-182.                           | 1.3 | 10        |
| 13 | Axon-to-Glia Interaction Regulates GABA <sub>A</sub> Receptor Expression in Oligodendrocytes. <i>Molecular Pharmacology</i> , 2016, 89, 63-74.                                                                                                            | 1.0 | 43        |
| 14 | Differential role of STIM1 and STIM2 during transient inward (I <sub>tin</sub> ) current generation and the maturation process in the <i>Xenopus</i> oocyte. <i>BMC Physiology</i> , 2014, 14, 9.                                                         | 3.6 | 3         |
| 15 | A <sub>3</sub> Adenosine receptors mediate oligodendrocyte death and ischemic damage to optic nerve. <i>Glia</i> , 2014, 62, 199-216.                                                                                                                     | 2.5 | 41        |
| 16 | PARACRINE STIMULATION OF P2X7 RECEPTOR BY ATP ACTIVATES A PROLIFERATIVE PATHWAY IN OVARIAN CARCINOMA CELLS. <i>Journal of Cellular Biochemistry</i> , 2014, 115, n/a-n/a.                                                                                 | 1.2 | 50        |
| 17 | Differential expression of the P2X7 receptor in ovarian surface epithelium during the oestrous cycle in the mouse. <i>Reproduction, Fertility and Development</i> , 2013, 25, 971.                                                                        | 0.1 | 17        |
| 18 | Adenosine and Multiple Sclerosis. , 2013, , 435-457.                                                                                                                                                                                                      |     | 2         |

| #  | ARTICLE                                                                                                                                                                                                                                                          | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Agonist-activated Ca <sup>2+</sup> influx and Ca <sup>2+</sup> -dependent Cl <sup>-</sup> channels in <i>Xenopus</i> ovarian follicular cells: Functional heterogeneity within the cell monolayer. <i>Journal of Cellular Physiology</i> , 2012, 227, 3457-3470. | 2.0 | 8         |
| 20 | Electrophysiological characterization of a novel small peptide from the venom of <i>Conus californicus</i> that targets voltage-gated neuronal Ca <sup>2+</sup> channels. <i>Toxicon</i> , 2011, 57, 60-67.                                                      | 0.8 | 11        |
| 21 | Functional expression and intracellular signaling of UTP-sensitive P2Y receptors in theca-interstitial cells. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 88.                                                                                       | 1.4 | 17        |
| 22 | Role for ionic fluxes on cell death and apoptotic volume decrease in cultured cerebellar granule neurons. <i>Neuroscience</i> , 2010, 167, 298-311.                                                                                                              | 1.1 | 15        |
| 23 | Functional interaction between native G protein-coupled purinergic receptors in <i>Xenopus</i> follicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16680-16685.                                       | 3.3 | 13        |
| 24 | Native ion current coupled to purinergic activation via basal and mechanically induced ATP release in <i>Xenopus</i> follicles. <i>Journal of Cellular Physiology</i> , 2009, 218, 355-365.                                                                      | 2.0 | 9         |
| 25 | Granulosa cells express three inositol 1,4,5-trisphosphate receptor isoforms: cytoplasmic and nuclear Ca <sup>2+</sup> mobilization. <i>Reproductive Biology and Endocrinology</i> , 2008, 6, 60.                                                                | 1.4 | 18        |
| 26 | Paracrine Purinergic Signaling Between Ovarian Cells. <i>Biology of Reproduction</i> , 2008, 78, 88-88.                                                                                                                                                          | 1.2 | 0         |
| 27 | ATP-induced apoptotic cell death in porcine ovarian theca cells through P2X7 receptor activation. <i>Molecular Reproduction and Development</i> , 2006, 73, 745-755.                                                                                             | 1.0 | 21        |
| 28 | Interplay between ryanodine and IP3 receptors in ATP-stimulated mouse luteinized-granulosa cells. <i>Cell Calcium</i> , 2005, 37, 203-213.                                                                                                                       | 1.1 | 21        |
| 29 | Epithelium and/or theca are required for ATP-elicited K <sup>+</sup> current in follicle-enclosed <i>Xenopus</i> oocytes. <i>Journal of Cellular Physiology</i> , 2005, 202, 814-821.                                                                            | 2.0 | 10        |
| 30 | ARPP21 a novel protein involved in apoptosis of LNCaP cells shares a high degree homology with splicing factor Prp8. <i>Molecular and Cellular Biochemistry</i> , 2005, 269, 189-201.                                                                            | 1.4 | 5         |
| 31 | Ionic Currents Activated via Purinergic Receptors in the Cumulus Cell-Enclosed Mouse Oocyte1. <i>Biology of Reproduction</i> , 2002, 67, 837-846.                                                                                                                | 1.2 | 26        |
| 32 | Glycosylated and Phosphorylated Proteins—Expression in Yeast and Oocytes of <i>Xenopus</i> : Prospects and Challenges—Relevance to Expression of Thermostable Proteins. <i>Protein Expression and Purification</i> , 2001, 22, 369-380.                          | 0.6 | 25        |
| 33 | Electrophysiological and hemolytic activity elicited by the venom of the jellyfish <i>Cassiopea xamachana</i> . <i>Toxicon</i> , 2001, 39, 1297-1307.                                                                                                            | 0.8 | 39        |
| 34 | Muscarinic receptor heterogeneity in follicle-enclosed <i>Xenopus</i> oocytes. <i>Journal of Physiology</i> , 1999, 521, 409-419.                                                                                                                                | 1.3 | 16        |
| 35 | Cl <sup>-</sup> currents activated via purinergic receptors in <i>Xenopus</i> follicles. <i>American Journal of Physiology - Cell Physiology</i> , 1998, 274, C333-C340.                                                                                         | 2.1 | 23        |
| 36 | ION Channels and Membrane Receptors in Follicle-Enclosed <i>Xenopus</i> Oocytes. , 1996, 4, 203-259.                                                                                                                                                             |     | 21        |

| #  | ARTICLE                                                                                                                                                                             | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Functional role of follicular cells in the generation of osmolarity-dependent Cl <sup>-</sup> currents in Xenopus follicles.. Journal of Physiology, 1995, 488, 351-357.            | 1.3 | 24        |
| 38 | A monovalent cationic conductance that is blocked by extracellular divalent cations in Xenopus oocytes.. Journal of Physiology, 1995, 484, 593-604.                                 | 1.3 | 61        |
| 39 | Osmo-dependent Cl <sup>-</sup> currents activated by cyclic AMP in follicle-enclosed Xenopus oocytes. Proceedings of the Royal Society B: Biological Sciences, 1994, 258, 229-235.  | 1.2 | 9         |
| 40 | Novel Cl <sup>-</sup> currents elicited by follicle stimulating hormone and acetylcholine in follicle-enclosed Xenopus oocytes.. Journal of General Physiology, 1993, 102, 833-857. | 0.9 | 28        |
| 41 | mRNA coding for neurotransmitter receptors in a human astrocytoma.. Proceedings of the National Academy of Sciences of the United States of America, 1992, 89, 3399-3403.           | 3.3 | 25        |
| 42 | Humoral factors reduce gap junction sensitivity to cytoplasmic pH. II. In vitro manipulations. American Journal of Physiology - Cell Physiology, 1991, 260, C1039-C1045.            | 2.1 | 3         |
| 43 | Protein phosphorylation and hydrogen ions modulate calcium-induced closure of gap junction channels. Biophysical Journal, 1990, 57, 363-367.                                        | 0.2 | 45        |
| 44 | Calmodulin Acts as an intermediary for the effects of calcium on gap junctions from crayfish lateral axons. Journal of Membrane Biology, 1988, 101, 119-131.                        | 1.0 | 28        |
| 45 | Lowering of pH does not directly affect the junctional resistance of crayfish lateral axons. Journal of Membrane Biology, 1986, 94, 293-299.                                        | 1.0 | 24        |