# Antony Giuseppe Galione

List of Publications by Year
in descending order



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|---|---|---|---|
| 98 papers | 7,447 citations | 53660 45 h-index | 54797 84 g-index |
| 146 all docs | 146 docs citations | 146 times ranked | 6897 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Acidic Ca2+ stores and immune-cell function. Cell Calcium, 2022, 101, 102516. | 1.1 | 12 |
| 2 | Current methods to analyze lysosome morphology, positioning, motility and function. Traffic, 2022, 23, 238-269. | 1.3 | 37 |
| 3 | A cellular protection racket: How lysosomal Ca2+ fluxes prevent kidney injury. Cell Calcium, 2021, 93, 102328. | 1.1 | 0 |
| 4 | Oxytocin Influences Male Sexual Activity via Non-synaptic Axonal Release in the Spinal Cord. Current Biology, 2021, 31, 103-114.e5. | 1.8 | 45 |
| 5 | Adenosine integrates light and sleep signalling for the regulation of circadian timing in mice. Nature Communications, 2021, 12, 2113. | 5.8 | 66 |
| 6 | A tribute to Professor Sir Michael J. Berridge FRS (1938â€“2020). Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119014. | 1.9 | 2 |
| 7 | Glucose and NAADP trigger elementary intracellular Î²-cell Ca2+ signals. Scientific Reports, 2021, 11, 10714. | 1.6 | 9 |
| 8 | Choreographing endo-lysosomal Ca2+ throughout the life of a phagosome. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119040. | 1.9 | 10 |
| 9 | Acetylation turns leucine into a drug by membrane transporter switching. Scientific Reports, 2021, 11, 15812. | 1.6 | 16 |
| 10 | A modified density gradient proteomic-based method to analyze endolysosomal proteins in cardiac tissue. IScience, 2021, 24, 102949. | 1.9 | 1 |
| 11 | Mechanistic convergence and shared therapeutic targets in Niemannâ€Pick disease. Journal of Inherited Metabolic Disease, 2020, 43, 574-585. | 1.7 | 13 |
| 12 | Does lysosomal rupture evoke Ca2+ release? A question of pores and stores. Cell Calcium, 2020, 86, 102139. | 1.1 | 18 |
| 13 | <scp>NAADP</scp> â€regulated twoâ€pore channels drive phagocytosis through endoâ€lysosomal Ca <sup>2+</sup> nanodomains, calcineurin and dynamin. EMBO Journal, 2020, 39, e104058. | 3.5 | 54 |
| 14 | Lysosomal agents inhibit store-operated Ca2+ entry. Journal of Cell Science, 2020, 134, . | 1.2 | 2 |
| 15 | Defective platelet function in <scp>Niemannâ€Pick</scp> disease type <scp>C1</scp>. JIMD Reports, 2020, 56, 46-57. | 0.7 | 9 |
| 16 | Unexpected differences in the pharmacokinetics of N-acetyl-DL-leucine enantiomers after oral dosing and their clinical relevance. PLoS ONE, 2020, 15, e0229585. | 1.1 | 21 |
| 17 | A two-pore channel protein required for regulating mTORC1 activity on starvation. BMC Biology, 2020, 18, 8. | 1.7 | 16 |
| 18 | Pyridine Nucleotide Metabolites and Calcium Release from Intracellular Stores. Advances in Experimental Medicine and Biology, 2020, 1131, 371-394. | 0.8 | 15 |

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|---|---|---|---|
| 19 | Title is missing!. , 2020, 15, e0229585. | | 0 |
| 20 | Title is missing!. , 2020, 15, e0229585. | | 0 |
| 21 | Title is missing!. , 2020, 15, e0229585. | | 0 |
| 22 | Title is missing!. , 2020, 15, e0229585. | | 0 |
| 23 | NAADP Receptors. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035071. | 2.3 | 43 |
| 24 | A multiscale analysis in CD38 <sup>â^'/â^'</sup> mice unveils major prefrontal cortex dysfunctions. FASEB Journal, 2019, 33, 5823-5835. | 0.2 | 19 |
| 25 | Characterization of ADP-ribosyl cyclase 1-like (ARC1-like) activity and NAADP signaling during slow muscle cell development in zebrafish embryos. Developmental Biology, 2019, 445, 211-225. | 0.9 | 10 |
| 26 | TPC2-mediated Ca2+ signaling is required for the establishment of synchronized activity in developing zebrafish primary motor neurons. Developmental Biology, 2018, 438, 57-68. | 0.9 | 10 |
| 27 | Adrenaline Stimulates Glucagon Secretion by Tpc2-Dependent Ca2+ Mobilization From Acidic Stores in Pancreatic Î±-Cells. Diabetes, 2018, 67, 1128-1139. | 0.3 | 61 |
| 28 | Hippocampal mGluR1-dependent long-term potentiation requires NAADP-mediated acidic store Ca <sup>2+</sup> signaling. Science Signaling, 2018, 11, . | 1.6 | 41 |
| 29 | Revealing the secrets of secretion. ELife, 2018, 7, . | 2.8 | 3 |
| 30 | Optogenetic Control of Heart Rhythm by Selective Stimulation of Cardiomyocytes Derived from Pnmt+ Cells in Murine Heart. Scientific Reports, 2017, 7, 40687. | 1.6 | 42 |
| 31 | Ca 2+ release via two-pore channel type 2 (TPC2) is required for slow muscle cell myofibrillogenesis and myotomal patterning in intact zebrafish embryos. Developmental Biology, 2017, 425, 109-129. | 0.9 | 22 |
| 32 | Synthesis of the Ca2+-mobilizing messengers NAADP and cADPR by intracellular CD38 enzyme in the mouse heart: Role in Î²-adrenoceptor signaling. Journal of Biological Chemistry, 2017, 292, 13243-13257. | 1.6 | 44 |
| 33 | High resolution structural evidence suggests the Sarcoplasmic Reticulum forms microdomains with Acidic Stores (lysosomes) in the heart. Scientific Reports, 2017, 7, 40620. | 1.6 | 59 |
| 34 | Carvedilol Inhibits cADPR- and IP3-Induced Ca2+ Release. Messenger (Los Angeles, Calif: Print), 2016, 5, 92-99. | 0.3 | 3 |
| 35 | The two pore channel TPC2 is dispensable in pancreatic Î²-cells for normal Ca2+ dynamics and insulin secretion. Cell Calcium, 2016, 59, 32-40. | 1.1 | 26 |
| 36 | Unveiling (â^')â€Englerinâ€…A as a Modulator of Lâ€Type Calcium Channels. Angewandte Chemie, 2016, 128, 11243-11247. | 1.6 | 7 |

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| 37 | Unveiling (â˜)â€Englerinâ€…A as a Modulator of Lâ€Type Calcium Channels. Angewandte Chemie - International Edition, 2016, 55, 11077-11081. | 7.2 | 37 |
| 38 | Ebolavirus Glycoprotein Directs Fusion through NPC1 <sup>+</sup> Endolysosomes. Journal of Virology, 2016, 90, 605-610. | 1.5 | 67 |
| 39 | Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. Wellcome Open Research, 2016, 1, 18. | 0.9 | 26 |
| 40 | Expression of Ca <sup>2+</sup> â€permeable twoâ€pore channels rescues <scp>NAADP</scp> signalling in <scp>TPC</scp> â€deficient cells. EMBO Journal, 2015, 34, 1743-1758. | 3.5 | 144 |
| 41 | Two-Pore Channels: Lessons from Mutant Mouse Models. Messenger (Los Angeles, Calif: Print), 2015, 4, 4-22. | 0.3 | 22 |
| 42 | Preferential Coupling of the NAADP Pathway to Exocytosis in T-Cells. Messenger (Los Angeles, Calif:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.3 | 8 |
| 43 | Intracellular sphingosine releases calcium from lysosomes. ELife, 2015, 4, . | 2.8 | 115 |
| 44 | TPC: the NAADP discovery channel?. Biochemical Society Transactions, 2015, 43, 384-389. | 1.6 | 41 |
| 45 | A primer of NAADP-mediated Ca2+ signalling: From sea urchin eggs to mammalian cells. Cell Calcium, 2015, 58, 27-47. | 1.1 | 110 |
| 46 | Imaging approaches to measuring lysosomal calcium. Methods in Cell Biology, 2015, 126, 159-195. | 0.5 | 36 |
| 47 | Lysosomal Two-pore Channel Subtype 2 (TPC2) Regulates Skeletal Muscle Autophagic Signaling. Journal of Biological Chemistry, 2015, 290, 3377-3389. | 1.6 | 69 |
| 48 | Two-pore Channels (TPC2s) and Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) at Lysosomal-Sarcoplasmic Reticular Junctions Contribute to Acute and Chronic Î²-Adrenoceptor Signaling in the Heart. Journal of Biological Chemistry, 2015, 290, 30087-30098. | 1.6 | 63 |
| 49 | Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic Î² Cells. Journal of Biological Chemistry, 2015, 290, 21376-21392. | 1.6 | 48 |
| 50 | Reply to â€œTPC1 Knockout Knocks Out TPC1â€• Molecular and Cellular Biology, 2015, 35, 1884-1884. | 1.1 | 1 |
| 51 | Synthesis of [<sup>32</sup>P]NAADP for the Radioreceptor Binding Assay. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot076919. | 0.2 | 1 |
| 52 | Preparation and Use of Sea Urchin Egg Homogenates for Studying NAADP-Mediated Ca2+ Release. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot076901-pdb.prot076901. | 0.2 | 6 |
| 53 | Identification of a Novel Gene for Diabetic Traits in Rats, Mice, and Humans. Genetics, 2014, 198, 17-29. | 1.2 | 44 |
| 54 | Reconstituted Human TPC1 Is a Proton-Permeable Ion Channel and Is Activated by NAADP or Ca <sup>2+</sup>. Science Signaling, 2014, 7, ra46. | 1.6 | 79 |

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| 55 | VEGF-induced neoangiogenesis is mediated by NAADP and two-pore channel-2â€“dependent Ca <sup>2+</sup> signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4706-15. | 3.3 | 138 |
| 56 | Synthesis of Caged NAADP. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot076943-pdb.prot076943. | 0.2 | 0 |
| 57 | TPC1 Has Two Variant Isoforms, and Their Removal Has Different Effects on Endo-Lysosomal Functions Compared to Loss of TPC2. Molecular and Cellular Biology, 2014, 34, 3981-3992. | 1.1 | 76 |
| 58 | Synthesis of NAADP-AM as a Membrane-Permeant NAADP Analog. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot076927. | 0.2 | 3 |
| 59 | Measurement of Luminal pH of Acidic Stores as a Readout for NAADP Action. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot076935. | 0.2 | 1 |
| 60 | Bidirectional Ca2+ signaling occurs between the endoplasmic reticulum and acidic organelles. Journal of Cell Biology, 2013, 200, 789-805. | 2.3 | 137 |
| 61 | A novel signalling role for NAADP in arterial smooth muscle. FASEB Journal, 2013, 27, 877.5. | 0.2 | 0 |
| 62 | Pyridine Nucleotide Metabolites and Calcium Release from Intracellular Stores. Advances in Experimental Medicine and Biology, 2012, 740, 305-323. | 0.8 | 10 |
| 63 | NAADP Activates Two-Pore Channels on T Cell Cytolytic Granules to Stimulate Exocytosis and Killing. Current Biology, 2012, 22, 2331-2337. | 1.8 | 121 |
| 64 | Molecular mechanisms of endolysosomal Ca2+ signalling in health and disease. Biochemical Journal, 2011, 439, 349-378. | 1.7 | 329 |
| 65 | Physiological roles of NAADP-mediated Ca2+ signaling. Science China Life Sciences, 2011, 54, 725-732. | 2.3 | 26 |
| 66 | NAADP Receptors. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004036-a004036. | 2.3 | 52 |
| 67 | Two-pore Channels Form Homo- and Heterodimers. Journal of Biological Chemistry, 2011, 286, 37058-37062. | 1.6 | 51 |
| 68 | NAADP as an intracellular messenger regulating lysosomal calcium-release channels. Biochemical Society Transactions, 2010, 38, 1424-1431. | 1.6 | 91 |
| 69 | The Ecto-enzyme CD38 Is a Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Synthase That Couples Receptor Activation to Ca2+ Mobilization from Lysosomes in Pancreatic Acinar Cells. Journal of Biological Chemistry, 2010, 285, 38251-38259. | 1.6 | 94 |
| 70 | Ca2+ Release from the Endoplasmic Reticulum of NY-ESO-1â€“Specific T Cells Is Modulated by the Affinity of TCR and by the Use of the CD8 Coreceptor. Journal of Immunology, 2010, 184, 1829-1839. | 0.4 | 36 |
| 71 | An emerging role for NAADP-mediated Ca<sup>2+</sup>signaling in the pancreatic Î²-cell. Islets, 2010, 2, 323-330. | 0.9 | 29 |
| 72 | Calcium signaling via two-pore channels: local or global, that is the question. American Journal of Physiology - Cell Physiology, 2010, 298, C430-C441. | 2.1 | 117 |

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| 73 | The acid test: the discovery of two-pore channels (TPCs) as NAADP-gated endolysosomal Ca2+ release channels. Pflugers Archiv European Journal of Physiology, 2009, 458, 869-876. | 1.3 | 86 |
| 74 | NAADP mobilizes calcium from acidic organelles through two-pore channels. Nature, 2009, 459, 596-600. | 13.7 | 687 |
| 75 | Identification of a chemical probe for NAADP by virtual screening. Nature Chemical Biology, 2009, 5, 220-226. | 3.9 | 274 |
| 76 | NAADP-mediated channel â€˜chatterâ€™ in neurons of the rat medulla oblongata. Biochemical Journal, 2009, 419, 91-99. | 1.7 | 53 |
| 77 | Niemann-Pick disease type C1 is a sphingosine storage disease that causes deregulation of lysosomal calcium. Nature Medicine, 2008, 14, 1247-1255. | 15.2 | 730 |
| 78 | Cell-permeant NAADP: A novel chemical tool enabling the study of Ca2+ signalling in intact cells. Cell Calcium, 2008, 43, 531-538. | 1.1 | 73 |
| 79 | NAADP as a second messenger: neither CD38 nor base-exchange reaction are necessary for in vivo generation of NAADP in myometrial cells. American Journal of Physiology - Cell Physiology, 2007, 292, C227-C239. | 2.1 | 96 |
| 80 | NAADP receptors. Cell Calcium, 2005, 38, 273-280. | 1.1 | 51 |
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| 82 | Organelle Selection Determines Agonist-specific Ca2+ Signals in Pancreatic Acinar and Î² Cells. Journal of Biological Chemistry, 2004, 279, 7234-7240. | 1.6 | 192 |
| 83 | NAADP. Current Biology, 2003, 13, 247-251. | 1.8 | 159 |
| 84 | NAADP Mobilizes Ca2+ from Reserve Granules, Lysosome-Related Organelles, in Sea Urchin Eggs. Cell, 2002, 111, 703-708. | 13.5 | 442 |
| 85 | Pharmacological characterization of the putative cADP-ribose receptor. Biochemical Journal, 2001, 359, 451-457. | 1.7 | 30 |
| 86 | Unique kinetics of nicotinic acidâ€“adenine dinucleotide phosphate (NAADP) binding enhance the sensitivity of NAADP receptors for their ligand. Biochemical Journal, 2000, 352, 725-729. | 1.7 | 51 |
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| 88 | Spatial Control of Ca2+ Signaling by Nicotinic Acid Adenine Dinucleotide Phosphate Diffusion and Gradients. Journal of Biological Chemistry, 2000, 275, 38687-38692. | 1.6 | 81 |
| 89 | Coordination of agonist-induced Ca2+-signalling patterns by NAADP in pancreatic acinar cells. Nature, 1999, 398, 74-76. | 13.7 | 377 |
| 90 | Nicotinic acid adenine dinucleotide phosphate triggers Ca2+ release from brain microsomes. Current Biology, 1999, 9, 751-754. | 1.8 | 98 |

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| 91 | Effects of photoreleased cADP-ribose on calcium transients and calcium sparks in myocytes isolated from guinea-pig and rat ventricle. Biochemical Journal, 1999, 342, 269-273. | 1.7 | 71 |
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| 94 | Unique Inactivation Properties of NAADP-sensitive Ca2+ Release. Journal of Biological Chemistry, 1996, 271, 11599-11602. | 1.6 | 153 |
| 95 | cGMP mobilizes intracellular Ca2+ in sea urchin eggs by stimulating cyclic ADP-ribose synthesis. Nature, 1993, 365, 456-459. | 13.7 | 343 |
| 96 | Cyclic ADP-ribose-induced Ca2+release from rat brain microsomes. FEBS Letters, 1993, 318, 259-263. | 1.3 | 106 |
| 97 | AMP-Activated Protein Kinase Couples Mitochondrial Inhibition by Hypoxia to Cell-Specific Ca2+ Signalling Mechanisms in Oxygensensing Cells. Novartis Foundation Symposium, 0, , 234-258. | 1.2 | 19 |
| 98 | Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. Wellcome Open Research, 0, 1, 18. | 0.9 | 30 |