

Antony Giuseppe Galione

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99
papers

6,336
citations

42
h-index

79
g-index

146
ext. papers

6,923
ext. citations

7.8
avg, IF

5.72
L-index

#	Paper	IF	Citations
99	Current methods to analyse lysosome morphology, positioning, motility and function.. <i>Traffic</i> , 2022	5.7	3
98	Acidic Ca stores and immune-cell function.. <i>Cell Calcium</i> , 2021 , 101, 102516	4	1
97	Lysosomal agents inhibit store-operated Ca entry. <i>Journal of Cell Science</i> , 2021 , 134,	5.3	1
96	Adenosine integrates light and sleep signalling for the regulation of circadian timing in mice. <i>Nature Communications</i> , 2021 , 12, 2113	17.4	17
95	A tribute to Professor Sir Michael J. Berridge FRS (1938-2020). <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 119014	4.9	1
94	Glucose and NAADP trigger elementary intracellular \square -cell Ca signals. <i>Scientific Reports</i> , 2021 , 11, 10714	4.9	0
93	Choreographing endo-lysosomal Ca throughout the life of a phagosome. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021 , 1868, 119040	4.9	5
92	A cellular protection racket: How lysosomal Ca fluxes prevent kidney injury. <i>Cell Calcium</i> , 2021 , 93, 102328		
91	Oxytocin Influences Male Sexual Activity via Non-synaptic Axonal Release in the Spinal Cord. <i>Current Biology</i> , 2021 , 31, 103-114.e5	6.3	19
90	Acetylation turns leucine into a drug by membrane transporter switching. <i>Scientific Reports</i> , 2021 , 11, 15812	4.9	0
89	A modified density gradient proteomic-based method to analyze endolysosomal proteins in cardiac tissue. <i>IScience</i> , 2021 , 24, 102949	6.1	0
88	Defective platelet function in Niemann-Pick disease type C1. <i>JIMD Reports</i> , 2020 , 56, 46-57	1.9	2
87	Unexpected differences in the pharmacokinetics of N-acetyl-DL-leucine enantiomers after oral dosing and their clinical relevance. <i>PLoS ONE</i> , 2020 , 15, e0229585	3.7	10
86	A two-pore channel protein required for regulating mTORC1 activity on starvation. <i>BMC Biology</i> , 2020 , 18, 8	7.3	11
85	Pyridine Nucleotide Metabolites and Calcium Release from Intracellular Stores. <i>Advances in Experimental Medicine and Biology</i> , 2020 , 1131, 371-394	3.6	8
84	Mechanistic convergence and shared therapeutic targets in Niemann-Pick disease. <i>Journal of Inherited Metabolic Disease</i> , 2020 , 43, 574-585	5.4	7
83	Does lysosomal rupture evoke Ca release? A question of pores and stores. <i>Cell Calcium</i> , 2020 , 86, 102139		11

82	NAADP-regulated two-pore channels drive phagocytosis through endo-lysosomal Ca nanodomains, calcineurin and dynamin. <i>EMBO Journal</i> , 2020 , 39, e104058	13	32
81	Unexpected differences in the pharmacokinetics of N-acetyl-DL-leucine enantiomers after oral dosing and their clinical relevance 2020 , 15, e0229585		
80	Unexpected differences in the pharmacokinetics of N-acetyl-DL-leucine enantiomers after oral dosing and their clinical relevance 2020 , 15, e0229585		
79	Unexpected differences in the pharmacokinetics of N-acetyl-DL-leucine enantiomers after oral dosing and their clinical relevance 2020 , 15, e0229585		
78	Unexpected differences in the pharmacokinetics of N-acetyl-DL-leucine enantiomers after oral dosing and their clinical relevance 2020 , 15, e0229585		
77	NAADP Receptors. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019 , 11,	10.2	28
76	A multiscale analysis in CD38 mice unveils major prefrontal cortex dysfunctions. <i>FASEB Journal</i> , 2019 , 33, 5823-5835	0.9	12
75	Characterization of ADP-ribosyl cyclase 1-like (ARC1-like) activity and NAADP signaling during slow muscle cell development in zebrafish embryos. <i>Developmental Biology</i> , 2019 , 445, 211-225	3.1	7
74	TPC2-mediated Ca signaling is required for the establishment of synchronized activity in developing zebrafish primary motor neurons. <i>Developmental Biology</i> , 2018 , 438, 57-68	3.1	9
73	Adrenaline Stimulates Glucagon Secretion by Tpc2-Dependent Ca Mobilization From Acidic Stores in Pancreatic β Cells. <i>Diabetes</i> , 2018 , 67, 1128-1139	0.9	46
72	Revealing the secrets of secretion. <i>ELife</i> , 2018 , 7,	8.9	1
71	Hippocampal mGluR1-dependent long-term potentiation requires NAADP-mediated acidic store Ca signaling. <i>Science Signaling</i> , 2018 , 11,	8.8	24
70	Optogenetic Control of Heart Rhythm by Selective Stimulation of Cardiomyocytes Derived from Pnmt Cells in Murine Heart. <i>Scientific Reports</i> , 2017 , 7, 40687	4.9	32
69	Ca release via two-pore channel type 2 (TPC2) is required for slow muscle cell myofibrillogenesis and myotomal patterning in intact zebrafish embryos. <i>Developmental Biology</i> , 2017 , 425, 109-129	3.1	17
68	Synthesis of the Ca-mobilizing messengers NAADP and cADPR by intracellular CD38 enzyme in the mouse heart: Role in β -adrenoceptor signaling. <i>Journal of Biological Chemistry</i> , 2017 , 292, 13243-13257	5.4	35
67	High resolution structural evidence suggests the Sarcoplasmic Reticulum forms microdomains with Acidic Stores (lysosomes) in the heart. <i>Scientific Reports</i> , 2017 , 7, 40620	4.9	36
66	Ebolavirus Glycoprotein Directs Fusion through NPC1+ Endolysosomes. <i>Journal of Virology</i> , 2016 , 90, 605-10	6.6	57
65	Unveiling (-)-Englerin A as a Modulator of L-Type Calcium Channels. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11077-81	16.4	29

64	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. <i>Wellcome Open Research</i> , 2016 , 1, 18	4.8	13
63	Carvedilol inhibits cADPR- and IP-induced Ca release. <i>Messenger (Los Angeles, Calif: Print)</i> , 2016 , 5, 92-99		3
62	The two pore channel TPC2 is dispensable in pancreatic β -cells for normal Ca^{2+} dynamics and insulin secretion. <i>Cell Calcium</i> , 2016 , 59, 32-40	4	20
61	Unveiling β -Englerin A as a Modulator of L-Type Calcium Channels. <i>Angewandte Chemie</i> , 2016 , 128, 11243-11247	3.6	5
60	Lysosomal two-pore channel subtype 2 (TPC2) regulates skeletal muscle autophagic signaling. <i>Journal of Biological Chemistry</i> , 2015 , 290, 3377-89	5.4	55
59	Two-pore Channels (TPC2s) and Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) at Lysosomal-Sarcoplasmic Reticular Junctions Contribute to Acute and Chronic β -Adrenoceptor Signaling in the Heart. <i>Journal of Biological Chemistry</i> , 2015 , 290, 30087-98	5.4	44
58	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic β Cells. <i>Journal of Biological Chemistry</i> , 2015 , 290, 21376-92	5.4	43
57	Reply to "TPC1 Knockout Knocks Out TPC1". <i>Molecular and Cellular Biology</i> , 2015 , 35, 1884	4.8	1
56	Expression of Ca^{2+} -permeable two-pore channels rescues NAADP signalling in TPC-deficient cells. <i>EMBO Journal</i> , 2015 , 34, 1743-58	13	114
55	Two-Pore Channels: Lessons from Mutant Mouse Models. <i>Messenger (Los Angeles, Calif: Print)</i> , 2015 , 4, 4-22		17
54	Preferential Coupling of the NAADP Pathway to Exocytosis in T-Cells. <i>Messenger (Los Angeles, Calif: Print)</i> , 2015 , 4, 53-66		8
53	Intracellular sphingosine releases calcium from lysosomes. <i>ELife</i> , 2015 , 4,	8.9	90
52	TPC: the NAADP discovery channel?. <i>Biochemical Society Transactions</i> , 2015 , 43, 384-9	5.1	35
51	A primer of NAADP-mediated Ca^{2+} signalling: From sea urchin eggs to mammalian cells. <i>Cell Calcium</i> , 2015 , 58, 27-47	4	90
50	Imaging approaches to measuring lysosomal calcium. <i>Methods in Cell Biology</i> , 2015 , 126, 159-95	1.8	30
49	VEGF-induced neoangiogenesis is mediated by NAADP and two-pore channel-2-dependent Ca^{2+} signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, E4706-15	11.5	116
48	Synthesis of caged NAADP. <i>Cold Spring Harbor Protocols</i> , 2014 , 2014, pdb.prot076943	1.2	
47	TPC1 has two variant isoforms, and their removal has different effects on endo-lysosomal functions compared to loss of TPC2. <i>Molecular and Cellular Biology</i> , 2014 , 34, 3981-92	4.8	67

46	Synthesis of NAADP-AM as a membrane-permeant NAADP analog. <i>Cold Spring Harbor Protocols</i> , 2014 , 2014, pdb.prot076927	1.2	3
45	Measurement of luminal pH of acidic stores as a readout for NAADP action. <i>Cold Spring Harbor Protocols</i> , 2014 , 2014, pdb.prot076935	1.2	1
44	Synthesis of [³² P]NAADP for the radioreceptor binding assay. <i>Cold Spring Harbor Protocols</i> , 2014 , 2014, 993-5	1.2	
43	Preparation and use of sea urchin egg homogenates for studying NAADP-mediated Ca ²⁺ release. <i>Cold Spring Harbor Protocols</i> , 2014 , 2014, 988-92	1.2	6
42	Identification of a novel gene for diabetic traits in rats, mice, and humans. <i>Genetics</i> , 2014 , 198, 17-29	4	36
41	Reconstituted human TPC1 is a proton-permeable ion channel and is activated by NAADP or Ca ²⁺ . <i>Science Signaling</i> , 2014 , 7, ra46	8.8	65
40	Bidirectional Ca ²⁺ signaling occurs between the endoplasmic reticulum and acidic organelles. <i>Journal of Cell Biology</i> , 2013 , 200, 789-805	7.3	118
39	A novel signalling role for NAADP in arterial smooth muscle. <i>FASEB Journal</i> , 2013 , 27, 877.5	0.9	
38	NAADP activates two-pore channels on T cell cytolytic granules to stimulate exocytosis and killing. <i>Current Biology</i> , 2012 , 22, 2331-7	6.3	110
37	Pyridine nucleotide metabolites and calcium release from intracellular stores. <i>Advances in Experimental Medicine and Biology</i> , 2012 , 740, 305-23	3.6	7
36	Physiological roles of NAADP-mediated Ca ²⁺ signaling. <i>Science China Life Sciences</i> , 2011 , 54, 725-32	8.5	24
35	Molecular mechanisms of endolysosomal Ca ²⁺ signalling in health and disease. <i>Biochemical Journal</i> , 2011 , 439, 349-74	3.8	278
34	NAADP receptors. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3, a004036	10.2	50
33	Two-pore channels form homo- and heterodimers. <i>Journal of Biological Chemistry</i> , 2011 , 286, 37058-62	5.4	49
32	The ecto-enzyme CD38 is a nicotinic acid adenine dinucleotide phosphate (NAADP) synthase that couples receptor activation to Ca ²⁺ mobilization from lysosomes in pancreatic acinar cells. <i>Journal of Biological Chemistry</i> , 2010 , 285, 38251-9	5.4	83
31	Ca ²⁺ release from the endoplasmic reticulum of NY-ESO-1-specific T cells is modulated by the affinity of TCR and by the use of the CD8 coreceptor. <i>Journal of Immunology</i> , 2010 , 184, 1829-1839	5.3	31
30	An emerging role for NAADP-mediated Ca ²⁺ signaling in the pancreatic β -cell. <i>Islets</i> , 2010 , 2, 323-30	2	28
29	Calcium signaling via two-pore channels: local or global, that is the question. <i>American Journal of Physiology - Cell Physiology</i> , 2010 , 298, C430-41	5.4	102

28	NAADP as an intracellular messenger regulating lysosomal calcium-release channels. <i>Biochemical Society Transactions</i> , 2010 , 38, 1424-31	5.1	80
27	The acid test: the discovery of two-pore channels (TPCs) as NAADP-gated endolysosomal Ca(2+) release channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2009 , 458, 869-76	4.6	75
26	NAADP mobilizes calcium from acidic organelles through two-pore channels. <i>Nature</i> , 2009 , 459, 596-600	5.4	603
25	Identification of a chemical probe for NAADP by virtual screening. <i>Nature Chemical Biology</i> , 2009 , 5, 220-6	6.7	245
24	NAADP-mediated channel chatter in neurons of the rat medulla oblongata. <i>Biochemical Journal</i> , 2009 , 419, 91-7, 2 p following 97	3.8	47
23	Niemann-Pick disease type C1 is a sphingosine storage disease that causes deregulation of lysosomal calcium. <i>Nature Medicine</i> , 2008 , 14, 1247-55	5.5	632
22	Cell-permeant NAADP: a novel chemical tool enabling the study of Ca ²⁺ signalling in intact cells. <i>Cell Calcium</i> , 2008 , 43, 531-8	4	67
21	NAADP as a second messenger: neither CD38 nor base-exchange reaction are necessary for in vivo generation of NAADP in myometrial cells. <i>American Journal of Physiology - Cell Physiology</i> , 2007 , 292, C227-39	5.4	92
20	NAADP receptors. <i>Cell Calcium</i> , 2005 , 38, 273-80	4	47
19	The NAADP receptor: new receptors or new regulation?. <i>Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics</i> , 2005 , 5, 73-9		90
18	Organelle selection determines agonist-specific Ca ²⁺ signals in pancreatic acinar and beta cells. <i>Journal of Biological Chemistry</i> , 2004 , 279, 7234-40	5.4	180
17	NAADP: a new second messenger for glucose-induced Ca ²⁺ responses in clonal pancreatic beta cells. <i>Current Biology</i> , 2003 , 13, 247-51	6.3	148
16	NAADP mobilizes Ca(2+) from reserve granules, lysosome-related organelles, in sea urchin eggs. <i>Cell</i> , 2002 , 111, 703-8	5.2	408
15	Pharmacological characterization of the putative cADP-ribose receptor. <i>Biochemical Journal</i> , 2001 , 359, 451-457	3.8	29
14	Unique kinetics of nicotinic acid adenine dinucleotide phosphate (NAADP) binding enhance the sensitivity of NAADP receptors for their ligand. <i>Biochemical Journal</i> , 2000 , 352, 725-729	3.8	49
13	Widespread distribution of binding sites for the novel Ca ²⁺ -mobilizing messenger, nicotinic acid adenine dinucleotide phosphate, in the brain. <i>Journal of Biological Chemistry</i> , 2000 , 275, 36495-7	5.4	54
12	Spatial control of Ca ²⁺ signaling by nicotinic acid adenine dinucleotide phosphate diffusion and gradients. <i>Journal of Biological Chemistry</i> , 2000 , 275, 38687-92	5.4	77
11	Coordination of agonist-induced Ca ²⁺ -signalling patterns by NAADP in pancreatic acinar cells. <i>Nature</i> , 1999 , 398, 74-6	5.4	346

10	Nicotinic acid adenine dinucleotide phosphate triggers Ca ²⁺ release from brain microsomes. <i>Current Biology</i> , 1999 , 9, 751-4	6.3	94
9	Effects of photoreleased cADP-ribose on calcium transients and calcium sparks in myocytes isolated from guinea-pig and rat ventricle. <i>Biochemical Journal</i> , 1999 , 342, 269-273	3.8	64
8	Actions of cADP-ribose and its antagonists on contraction in guinea pig isolated ventricular myocytes. Influence of temperature. <i>Circulation Research</i> , 1997 , 81, 879-84	15.7	52
7	Cyclic aristeromycin diphosphate ribose: a potent and poorly hydrolysable Ca(2+)-mobilising mimic of cyclic adenosine diphosphate ribose. <i>FEBS Letters</i> , 1996 , 379, 227-30	3.8	58
6	Unique inactivation properties of NAADP-sensitive Ca ²⁺ release. <i>Journal of Biological Chemistry</i> , 1996 , 271, 11599-602	5.4	141
5	cGMP mobilizes intracellular Ca ²⁺ in sea urchin eggs by stimulating cyclic ADP-ribose synthesis. <i>Nature</i> , 1993 , 365, 456-9	50.4	320
4	Cyclic ADP-ribose-induced Ca ²⁺ release from rat brain microsomes. <i>FEBS Letters</i> , 1993 , 318, 259-63	3.8	100
3	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. <i>Wellcome Open Research</i> , 1, 18	4.8	21
2	Acetylation of L-leucine switches its carrier from the L-amino acid transporter (LAT) to organic anion transporters (OAT)		1
1	AMP-Activated Protein Kinase Couples Mitochondrial Inhibition by Hypoxia to Cell-Specific Ca ²⁺ Signalling Mechanisms in Oxygensensing Cells. <i>Novartis Foundation Symposium</i> , 234-258		12