Antony Galione

List of Publications by Year
in descending order

190 papers	13,740 citations	15504 65 h-index	23533 111 g-index
195 all docs	195 docs citations	195 times ranked	8656 citing authors

#	Article	IF	Citations
1	Niemann-Pick disease type C1 is a sphingosine storage disease that causes deregulation of lysosomal calcium. Nature Medicine, 2008, 14, 1247-1255.	30.7	730
2	NAADP mobilizes calcium from acidic organelles through two-pore channels. Nature, 2009, 459, 596-600.	27.8	687
3	Cytosolic calcium oscillators. FASEB Journal, 1988, 2, 3074-3082.	0.5	670
4	NAADP Mobilizes Ca2+ from Reserve Granules, Lysosome-Related Organelles, in Sea Urchin Eggs. Cell, 2002, 111, 703-708.	28.9	442
5	Coordination of agonist-induced Ca2+-signalling patterns by NAADP in pancreatic acinar cells. Nature, 1999, 398, 74-76.	27.8	377
6	cGMP mobilizes intracellular Ca2+ in sea urchin eggs by stimulating cyclic ADP-ribose synthesis. Nature, 1993, 365, 456-459.	27.8	343
7	Molecular mechanisms of endolysosomal Ca2+ signalling in health and disease. Biochemical Journal, 2011, 439, 349-378.	3.7	329
8	Identification of a chemical probe for NAADP by virtual screening. Nature Chemical Biology, 2009, 5, 220-226.	8.0	274
9	Purified TPC Isoforms Form NAADP Receptors with Distinct Roles for Ca2+ Signaling and Endolysosomal Trafficking. Current Biology, 2010, 20, 703-709.	3.9	234
10	TPC2 Is a Novel NAADP-sensitive Ca2+ Release Channel, Operating as a Dual Sensor of Luminal pH and Ca2+. Journal of Biological Chemistry, 2010, 285, 35039-35046.	3.4	197
11	Nitric Oxide-induced Mobilization of Intracellular Calcium via the Cyclic ADP-ribose Signaling Pathway. Journal of Biological Chemistry, 1996, 271, 3699-3705.	3.4	192
12	Organelle Selection Determines Agonist-specific Ca2+ Signals in Pancreatic Acinar and Î² Cells. Journal of Biological Chemistry, 2004, 279, 7234-7240.	3.4	192
13	Lysosome-Sarcoplasmic Reticulum Junctions. Journal of Biological Chemistry, 2004, 279, 54319-54326.	3.4	179
14	Nicotinic acid-adenine dinucleotide phosphate mobilizes Ca2+ from a thapsigargin-insensitive pool. Biochemical Journal, 1996, 315, 721-725.	3.7	176
15	Transformation of local Ca2+ spikes to global Ca2+ transients: the combinatorial roles of multiple Ca2+ releasing messengers. EMBO Journal, 2002, 21, 909-919.	7.8	166
16	NAADP. Current Biology, 2003, 13, 247-251.	3.9	159
17	Sperm Deliver a New Second Messenger. Current Biology, 2003, 13, 125-128.	3.9	155
18	Unique Inactivation Properties of NAADP-sensitive Ca2+ Release. Journal of Biological Chemistry, 1996, 271, 11599-11602.	3.4	153

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19	Coordination of Ca2+ signalling by NAADP. Trends in Biochemical Sciences, 2001, 26, 482-489.	7.5	151
20	GLP-1 stimulates insulin secretion by PKC-dependent TRPM4 and TRPM5 activation. Journal of Clinical Investigation, 2015, 125, 4714-4728.	8.2	145
21	Expression of Ca ²⁺ â€permeable twoâ€pore channels rescues <scp>NAADP</scp> signalling in <scp>TPC</scp> â€deficient cells. EMBO Journal, 2015, 34, 1743-1758.	7.8	144
22	VEGF-induced neoangiogenesis is mediated by NAADP and two-pore channel-2â€“dependent Ca ²⁺ signaling. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4706-15.	7.1	138
23	Role of NAADP and cADPR in the Induction and Maintenance of Agonist-Evoked Ca2+ Spiking in Mouse Pancreatic Acinar Cells. Current Biology, 2005, 15, 874-878.	3.9	137
24	Bidirectional Ca2+ signaling occurs between the endoplasmic reticulum and acidic organelles. Journal of Cell Biology, 2013, 200, 789-805.	5.2	137
25	Ca2+-induced Ca2+ release and its modulation by cyclic ADP-ribose. Trends in Pharmacological Sciences, 1992, 13, 304-306.	8.7	134
26	Cyclic ADP-ribose, the ADP-ribosyl cyclase pathway and calcium signalling. Molecular and Cellular Endocrinology, 1994, 98, 125-131.	3.2	133
27	NAADP Activates Two-Pore Channels on T Cell Cytolytic Granules to Stimulate Exocytosis and Killing. Current Biology, 2012, 22, 2331-2337.	3.9	121
28	Calcium signaling via two-pore channels: local or global, that is the question. American Journal of Physiology - Cell Physiology, 2010, 298, C430-C441.	4.6	117
29	ADP-ribosyl Cyclase and Cyclic ADP-ribose Hydrolase Act as a Redox Sensor. Journal of Biological Chemistry, 2001, 276, 11180-11188.	3.4	116
30	Intracellular sphingosine releases calcium from lysosomes. ELife, 2015, 4, .	6.0	115
31	Photoaffinity Labeling of High Affinity Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)-Binding Proteins in Sea Urchin Egg. Journal of Biological Chemistry, 2012, 287, 2308-2315.	3.4	110
32	A primer of NAADP-mediated Ca2+ signalling: From sea urchin eggs to mammalian cells. Cell Calcium, 2015, 58, 27-47.	2.4	110
33	A specific cyclic ADP-ribose antagonist inhibits cardiac excitationâ€“contraction coupling. Current Biology, 1996, 6, 989-996.	3.9	108
34	Cyclic ADP-ribose-induced Ca2+release from rat brain microsomes. FEBS Letters, 1993, 318, 259-263.	2.8	106
35	Induction of Hippocampal LTD Requires Nitric-Oxide-Stimulated PKG Activity and Ca²⁺Release From Cyclic ADP-Ribose-Sensitive Stores. Journal of Neurophysiology, 1999, 82, 1569-1576.	1.8	106
36	Nicotinic Acid Adenine Dinucleotide Phosphate Mediates Ca2+Signals and Contraction in Arterial Smooth Muscle via a Two-Pool Mechanism. Circulation Research, 2002, 91, 1168-1175.	4.5	106

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37	Cyclic ADP-Ribose: Metabolism and Calcium Mobilizing Function. Vitamins and Hormones, 1994, 48, 199-257.	1.7	104
38	Anti-Ig-induced Calcium Influx in Rat B Lymphocytes Mediated by cGMP through a Dihydropyridine-sensitive Channel. Journal of Biological Chemistry, 1996, 271, 7297-7300.	3.4	99
39	The endoplasmic reticulum and junctional membrane communication during calcium signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2542-2559.	4.1	99
40	Nicotinic acid adenine dinucleotide phosphate triggers Ca2+ release from brain microsomes. Current Biology, 1999, 9, 751-754.	3.9	98
41	Ca2+ release induced by cyclic ADP-ribose. Trends in Cell Biology, 1994, 4, 431-436.	7.9	96
42	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.	4.6	96
43	Twoâ€pore channels (<scp>TPC</scp>s): Current controversies. BioEssays, 2014, 36, 173-183.	2.5	96
44	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.	3.4	94
45	The NAADP Receptor: New Receptors or New Regulation?. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2005, 5, 73-79.	3.4	94
46	Flipping the switch: How a sperm activates the egg at fertilization. Developmental Dynamics, 2007, 236, 2027-2038.	1.8	91
47	NAADP as an intracellular messenger regulating lysosomal calcium-release channels. Biochemical Society Transactions, 2010, 38, 1424-1431.	3.4	91
48	Nicotinamide inhibits cyclic ADP-ribose-mediated calcium signalling in sea urchin eggs. Biochemical Journal, 1996, 319, 613-617.	3.7	88
49	NAADP Controls Cross-talk between Distinct Ca2+ Stores in the Heart. Journal of Biological Chemistry, 2007, 282, 15302-15311.	3.4	88
50	A Ca2+ release mechanism gated by the novel pyridine nucleotide, NAADP. Trends in Pharmacological Sciences, 1997, 18, 108-110.	8.7	87
51	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.	2.8	86
52	NAADP induces pH changes in the lumen of acidic Ca2+ stores. Biochemical Journal, 2007, 402, 301-310.	3.7	85
53	Spatial Control of Ca2+ Signaling by Nicotinic Acid Adenine Dinucleotide Phosphate Diffusion and Gradients. Journal of Biological Chemistry, 2000, 275, 38687-38692.	3.4	81
54	Reconstituted Human TPC1 Is a Proton-Permeable Ion Channel and Is Activated by NAADP or Ca ²⁺. Science Signaling, 2014, 7, ra46.	3.6	79

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55	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.	2.3	76
56	Loss of activity mutations in phospholipase C zeta (PLCÂ) abolishes calcium oscillatory ability of human recombinant protein in mouse oocytes. Human Reproduction, 2011, 26, 3372-3387.	0.9	75
57	Human lymphocyte antigen CD38 catalyzes the production of cyclic ADP-ribose. FEBS Letters, 1993, 335, 231-233.	2.8	74
58	Nitric oxide induces intracellular Ca2+ mobilization and increases secretion of incorporated 5-hydroxytryptamine in rat pancreatic Î²-cells. FEBS Letters, 1995, 371, 99-104.	2.8	74
59	7-Deaza-8-bromo-cyclic ADP-ribose, the First Membrane-permeant, Hydrolysis-resistant Cyclic ADP-ribose Antagonist. Journal of Biological Chemistry, 1997, 272, 16358-16363.	3.4	73
60	Cell-permeant NAADP: A novel chemical tool enabling the study of Ca2+ signalling in intact cells. Cell Calcium, 2008, 43, 531-538.	2.4	73
61	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.	3.7	71
62	TPCs: Endolysosomal channels for Ca²⁺ mobilization from acidic organelles triggered by NAADP. FEBS Letters, 2010, 584, 1966-1974.	2.8	71
63	TPC2 Proteins Mediate Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)- and Agonist-evoked Contractions of Smooth Muscle. Journal of Biological Chemistry, 2010, 285, 24925-24932.	3.4	71
64	NAADP links histamine H1 receptors to secretion of von Willebrand factor in human endothelial cells. Blood, 2011, 117, 4968-4977.	1.4	71
65	Lysosomal Two-pore Channel Subtype 2 (TPC2) Regulates Skeletal Muscle Autophagic Signaling. Journal of Biological Chemistry, 2015, 290, 3377-3389.	3.4	69
66	The NO Pathway Acts Late during the Fertilization Response in Sea Urchin Eggs. Journal of Biological Chemistry, 2003, 278, 12247-12254.	3.4	67
67	Ebolavirus Glycoprotein Directs Fusion through NPC1 ⁺ Endolysosomes. Journal of Virology, 2016, 90, 605-610.	3.4	67
68	Nicotinic acid adenine dinucleotide phosphate regulates skeletal muscle differentiation via action at two-pore channels. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19927-19932.	7.1	64
69	Cyclic aristeromycin diphosphate ribose: A potent and poorly hydrolysable Ca2+-mobilising mimic of cyclic adenosine diphosphate ribose. FEBS Letters, 1996, 379, 227-230.	2.8	63
70	Differential regulation of nicotinic acidâ€“adenine dinucleotide phosphate and cADP-ribose production by cAMP and cGMP. Biochemical Journal, 1998, 331, 837-843.	3.7	63
71	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.	3.4	63
72	Actions of cADP-Ribose and Its Antagonists on Contraction in Guinea Pig Isolated Ventricular Myocytes. Circulation Research, 1997, 81, 879-884.	4.5	62

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73	NAADP-induced calcium release in sea urchin eggs. Biology of the Cell, 2000, 92, 197-204.	2.0	61
74	Ca2+ Signaling Occurs via Second Messenger Release from Intraorganelle Synthesis Sites. Current Biology, 2008, 18, 1612-1618.	3.9	61
75	Adrenaline Stimulates Glucagon Secretion by Tpc2-Dependent Ca2+ Mobilization From Acidic Stores in Pancreatic Î±-Cells. Diabetes, 2018, 67, 1128-1139.	0.6	61
76	High resolution structural evidence suggests the Sarcoplasmic Reticulum forms microdomains with Acidic Stores (lysosomes) in the heart. Scientific Reports, 2017, 7, 40620.	3.3	59
77	Calcium signalling by nicotinic acid adenine dinucleotide phosphate (NAADP). FEBS Journal, 2005, 272, 4598-4606.	4.7	58
78	Widespread Distribution of Binding Sites for the Novel Ca2+-mobilizing Messenger, Nicotinic Acid Adenine Dinucleotide Phosphate, in the Brain. Journal of Biological Chemistry, 2000, 275, 36495-36497.	3.4	57
79	Acidic NAADP-sensitive Calcium Stores in the Endothelium. Journal of Biological Chemistry, 2010, 285, 37133-37137.	3.4	57
80	Cyclic ADP-ribose Enhances Coupling between Voltage-gated Ca2+ Entry and Intracellular Ca2+ Release. Journal of Biological Chemistry, 1997, 272, 20967-20970.	3.4	56
81	Roles for Adenosine Ribose Hydroxyl Groups in Cyclic Adenosine 5â€˜-Diphosphate Ribose-Mediated Ca2+ Release. Biochemistry, 1997, 36, 9509-9517.	2.5	56
82	A pivotal role for cADPRâ€mediated Ca 2+ signaling: regulation of endothelinâ€induced contraction in peritubular smooth muscle cells. FASEB Journal, 2002, 16, 697-705.	0.5	56
83	NAADP influences excitationâ€“contraction coupling by releasing calcium from lysosomes in atrial myocytes. Cell Calcium, 2011, 50, 449-458.	2.4	54
84	<scp>NAADP</scp> â€regulated twoâ€pore channels drive phagocytosis through endoâ€lysosomal Ca ²⁺ nanodomains, calcineurin and dynamin. EMBO Journal, 2020, 39, e104058.	7.8	54
85	An Antagonist of cADP-ribose Inhibits Arrhythmogenic Oscillations of Intracellular Ca2+ In Heart Cells. Journal of Biological Chemistry, 1999, 274, 17820-17827.	3.4	53
86	NAADP-mediated channel â€˜chatterâ€™ in neurons of the rat medulla oblongata. Biochemical Journal, 2009, 419, 91-99.	3.7	53
87	NAADP Receptors. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004036-a004036.	5.5	52
88	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.	3.7	51
89	Solubilization of Receptors for the Novel Ca2+-mobilizing Messenger, Nicotinic Acid Adenine Dinucleotide Phosphate. Journal of Biological Chemistry, 2002, 277, 43717-43723.	3.4	51
90	NAADP receptors. Cell Calcium, 2005, 38, 273-280.	2.4	51

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91	Two-pore Channels Form Homo- and Heterodimers. Journal of Biological Chemistry, 2011, 286, 37058-37062.	3.4	51
92	Vasodilation by the Calcium-mobilizing Messenger Cyclic ADP-ribose. Journal of Biological Chemistry, 2003, 278, 9602-9608.	3.4	50
93	7-Deaza cyclic adenosine 5â€²-diphosphate ribose: first example of a Ca2+-mobilizing partial agonist related to cyclic adenosine 5â€²-diphosphate ribose. Chemistry and Biology, 1997, 4, 51-61.	6.0	49
94	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.	3.4	48
95	Identification of a Novel Gene for Diabetic Traits in Rats, Mice, and Humans. Genetics, 2014, 198, 17-29.	2.9	44
96	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.	3.4	44
97	Metabolism of the novel Ca2+-mobilizing messenger nicotinic acidâ€“adenine dinucleotide phosphate via a 2â€²-specific Ca2+-dependent phosphatase. Biochemical Journal, 2002, 365, 295-301.	3.7	43
98	An Nâ€Terminal Dileucine Motif Directs Twoâ€Pore Channels to the Tonoplast of Plant Cells. Traffic, 2012, 13, 1012-1022.	2.7	43
99	NAADP Receptors. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035071.	5.5	43
100	Two neuropeptides recruit different messenger pathways to evoke Ca2+ signals in the same cell. Current Biology, 2000, 10, 993-996.	3.9	41
101	TPC: the NAADP discovery channel?. Biochemical Society Transactions, 2015, 43, 384-389.	3.4	41
102	Hippocampal mGluR1-dependent long-term potentiation requires NAADP-mediated acidic store Ca ²⁺ signaling. Science Signaling, 2018, 11, .	3.6	41
103	Analogues of the Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Antagonist Ned-19 Indicate Two Binding Sites on the NAADP Receptor. Journal of Biological Chemistry, 2009, 284, 34930-34934.	3.4	40
104	Prolonged Inactivation of Nicotinic Acid Adenine Dinucleotide Phosphate-induced Ca2+ Release Mediates a Spatiotemporal Ca2+ Memory. Journal of Biological Chemistry, 2001, 276, 11223-11225.	3.4	39
105	Fertilization and Nicotinic Acid Adenine Dinucleotide Phosphate Induce pH Changes in Acidic Ca2+ Stores in Sea Urchin Eggs. Journal of Biological Chemistry, 2007, 282, 37730-37737.	3.4	39
106	Altered distribution and function of natural killer cells in murine and human Niemann-Pick disease type C1. Blood, 2014, 123, 51-60.	1.4	38
107	Current methods to analyze lysosome morphology, positioning, motility and function. Traffic, 2022, 23, 238-269.	2.7	37
108	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.	0.8	36

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109	Imaging approaches to measuring lysosomal calcium. Methods in Cell Biology, 2015, 126, 159-195.	1.1	36
110	Two-pore channels for integrative Ca²⁺signaling. Communicative and Integrative Biology, 2010, 3, 12-17.	1.4	34
111	A Cytosolic Sperm Protein Factor Mobilizes Ca2+ from Intracellular Stores by Activating Multiple Ca2+ Release Mechanisms Independently of Low Molecular Weight Messengers. Journal of Biological Chemistry, 1997, 272, 28901-28905.	3.4	33
112	ÃŸ-Adrenergic receptor signaling increases NAADP and cADPR levels in the heart. Biochemical and Biophysical Research Communications, 2012, 427, 326-329.	2.1	33
113	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.	3.7	31
114	Kinetic Properties of Nicotinic Acid Adenine Dinucleotide Phosphate-induced Ca2+ Release. Journal of Biological Chemistry, 1997, 272, 7669-7675.	3.4	30
115	Cyclic ADP-ribose and the regulation of calcium-induced calcium release in eggs and cardiac myocytes. Cell Biochemistry and Biophysics, 1998, 28, 19-30.	1.8	30
116	Two-Pore Channel 2 activity is required for slow muscle cell-generated Ca2+ signaling during myogenesis in intact zebrafish. International Journal of Developmental Biology, 2015, 59, 313-325.	0.6	30
117	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. Wellcome Open Research, 0, 1, 18.	1.8	30
118	An emerging role for NAADP-mediated Ca²⁺signaling in the pancreatic Î²-cell. Islets, 2010, 2, 323-330.	1.8	29
119	Refinement of a radioreceptor binding assay for nicotinic acid adenine dinucleotide phosphate. Analytical Biochemistry, 2007, 371, 26-36.	2.4	28
120	Investigating cADPR and NAADP in intact and broken cell preparations. Methods, 2008, 46, 194-203.	3.8	28
121	2â€²-Deoxy Cyclic Adenosine 5â€²-Diphosphate Ribose Derivatives: Importance of the 2â€²-Hydroxyl Motif for the Antagonistic Activity of 8-Substituted cADPR Derivatives. Journal of Medicinal Chemistry, 2008, 51, 1623-1636.	6.4	28
122	Chemoenzymatic synthesis of analogues of the second messenger candidate cyclic adenosine 5â€²-diphosphate ribose. Journal of the Chemical Society Chemical Communications, 1995, , 1359-1360.	2.0	27
123	The Calcium-mobilizing Messenger Nicotinic Acid Adenine Dinucleotide Phosphate Participates in Sperm Activation by Mediating the Acrosome Reaction. Journal of Biological Chemistry, 2010, 285, 18262-18269.	3.4	27
124	Physiological roles of NAADP-mediated Ca2+ signaling. Science China Life Sciences, 2011, 54, 725-732.	4.9	26
125	The two pore channel TPC2 is dispensable in pancreatic Î²-cells for normal Ca2+ dynamics and insulin secretion. Cell Calcium, 2016, 59, 32-40.	2.4	26
126	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. Wellcome Open Research, 2016, 1, 18.	1.8	26

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127	Potentiation of cADPR-Induced Ca2+-Release by Methylxanthine Analogues. Journal of Medicinal Chemistry, 1999, 42, 2527-2534.	6.4	25
128	Calmodulin Dissociation Mediates Desensitization of the cADPR-Induced Ca2+ Release Mechanism. Current Biology, 2002, 12, 2018-2022.	3.9	25
129	Sperm express a Ca2+-regulated NAADP synthase. Biochemical Journal, 2008, 411, 63-70.	3.7	25
130	â€˜Click cyclic ADP-riboseâ€™: a neutral second messenger mimic. Chemical Communications, 2014, 50, 2458-2461.	4.1	25
131	Convergent Synthesis and Unexpected Ca2+-Mobilizing Activity of 8-Substituted Analogues of Cyclic ADP-Carbocyclic-Ribose, a Stable Mimic of the Ca2+-Mobilizing Second Messenger Cyclic ADP-Ribose. Journal of Medicinal Chemistry, 2003, 46, 4741-4749.	6.4	24
132	Dual effects of cyclic ADP-ribose on sarcoplasmic reticulum Ca2+ release and storage in cardiac myocytes isolated from guinea-pig and rat ventricleâ†. Cell Calcium, 2007, 41, 537-546.	2.4	24
133	Calcium store depletion potentiates a phosphodiesterase inhibitor- and dibutyryl cGMP-evoked calcium influx in rat pituitary GH3cells. FEBS Letters, 1996, 386, 39-42.	2.8	23
134	Synthesis of cyclic adenosine 5â€²-diphosphate ribose analogues: a C2â€² endo/syn â€œsouthernâ€•ribose conformation underlies activity at the sea urchin cADPR receptor. Organic and Biomolecular Chemistry, 2011, 9, 278-290.	2.8	23
135	Two-Pore Channels: Lessons from Mutant Mouse Models. Messenger (Los Angeles, Calif: Print), 2015, 4, 4-22.	0.3	22
136	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.	2.0	22
137	Mechanisms of calcium release and sequestration in eggs of Chaetopterus pergamentaceus. Cell Calcium, 1998, 24, 285-292.	2.4	21
138	Synthesis of 7-deaza-8-bromo cyclic adenosine 5â€²-diphosphate ribose: the first hydrolysis resistant antagonist at the cADPR receptor. Chemical Communications, 1997, , 695-696.	4.1	20
139	Haxâ€1 identified as a twoâ€pore channel (TPC)â€binding protein. FEBS Letters, 2013, 587, 3782-3786.	2.8	20
140	Microinjection of cyclic ADP-ribose triggers a regenerative wave of Ca2+ release and exocytosis of cortical alveoli in medaka eggs. Zygote, 1999, 7, 285-292.	1.1	19
141	Unique kinetics of nicotinic acidâ€'adenine dinucleotide phosphate (NAADP) binding enhance the sensitivity of NAADP receptors for their ligand. Biochemical Journal, 2000, 352, 725.	3.7	19
142	A multiscale analysis in CD38 ^{â^'/â^'} mice unveils major prefrontal cortex dysfunctions. FASEB Journal, 2019, 33, 5823-5835.	0.5	19
143	Does lysosomal rupture evoke Ca2+ release? A question of pores and stores. Cell Calcium, 2020, 86, 102139.	2.4	18
144	Cell-Permeant Small-Molecule Modulators of NAADP-Mediated Ca2+ Release. Chemistry and Biology, 2006, 13, 659-665.	6.0	16

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145	A two-pore channel protein required for regulating mTORC1 activity on starvation. BMC Biology, 2020, 18, 8.	3.8	16
146	Pyridine Nucleotide Metabolites and Calcium Release from Intracellular Stores. Advances in Experimental Medicine and Biology, 2020, 1131, 371-394.	1.6	15
147	Chemical Synthesis of the Second Messenger Nicotinic Acid Adenine Dinucleotide Phosphate by Total Synthesis of Nicotinamide Adenine Dinucleotide Phosphate. Angewandte Chemie - International Edition, 2004, 43, 4637-4640.	13.8	14
148	Mechanistic convergence and shared therapeutic targets in Niemannâ€Pick disease. Journal of Inherited Metabolic Disease, 2020, 43, 574-585.	3.6	13
149	Inhibition of cADPR-Hydrolase by ADP-Ribose Potentiates cADPR Synthesis from Î²-NAD+. Biochemical and Biophysical Research Communications, 1996, 223, 502-507.	2.1	12
150	Acidic Ca2+ stores and immune-cell function. Cell Calcium, 2022, 101, 102516.	2.4	12
151	Aplysia californica mediated cyclisation of novel 3â€²-modified NAD + analogues: a role for hydrogen bonding in the recognition of cyclic adenosine 5â€²-diphosphate ribose. Bioorganic and Medicinal Chemistry, 2004, 12, 475-487.	3.0	11
152	The luminal Ca2+ chelator, TPEN, inhibits NAADP-induced Ca2+ release. Cell Calcium, 2012, 52, 481-487.	2.4	11
153	Phospholipase C-dependent Ca2+ release by worm and mammal sperm factors. Biochemical and Biophysical Research Communications, 2003, 307, 47-51.	2.1	10
154	Pyridine Nucleotide Metabolites and Calcium Release from Intracellular Stores. Advances in Experimental Medicine and Biology, 2012, 740, 305-323.	1.6	10
155	TPC2-mediated Ca2+ signaling is required for the establishment of synchronized activity in developing zebrafish primary motor neurons. Developmental Biology, 2018, 438, 57-68.	2.0	10
156	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.	2.0	10
157	Choreographing endo-lysosomal Ca2+ throughout the life of a phagosome. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119040.	4.1	10
158	Defective platelet function in <scp>Niemannâ€Pick</scp> disease type <scp>C1</scp>. JIMD Reports, 2020, 56, 46-57.	1.5	9
159	Glucose and NAADP trigger elementary intracellular Î²-cell Ca2+ signals. Scientific Reports, 2021, 11, 10714.	3.3	9
160	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
161	Cyclic ADP-Ribose and Calcium Signaling. , 1996, , 295-307e.		7
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