

# Antony Galione

## List of Publications by Year in descending order

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190  
papers

13,740  
citations

15466  
65  
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23472  
111  
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195  
all docs

195  
docs citations

195  
times ranked

8656  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acidic Ca <sup>2+</sup> 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 tribute to Professor Sir Michael J. Berridge FRS (1938–2020). Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119014.	1.9	2
4	Glucose and NAADP trigger elementary intracellular $\text{Ca}^{2+}$ -cell Ca <sup>2+</sup> signals. Scientific Reports, 2021, 11, 10714.	1.6	9
5	Choreographing endo-lysosomal Ca <sup>2+</sup> throughout the life of a phagosome. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119040.	1.9	10
6	A modified density gradient proteomic-based method to analyze endolysosomal proteins in cardiac tissue. IScience, 2021, 24, 102949.	1.9	1
7	Membrane Transport   Cyclic ADP-RIBOSE and NAADP: Two Pyridine Nucleotide Ca <sup>2+</sup> Mobilizing Messengers Targeting Intracellular Ca <sup>2+</sup> Release Channels. , 2021, , 949-954.		0
8	Mechanistic convergence and shared therapeutic targets in Niemann–Pick disease. Journal of Inherited Metabolic Disease, 2020, 43, 574-585.	1.7	13
9	Does lysosomal rupture evoke Ca <sup>2+</sup> release? A question of pores and stores. Cell Calcium, 2020, 86, 102139.	1.1	18
10	NAADP-regulated two-pore channels drive phagocytosis through endo-lysosomal Ca <sup>2+</sup> nanodomains, calcineurin and dynamin. EMBO Journal, 2020, 39, e104058.	3.5	54
11	Lysosomal agents inhibit store-operated Ca <sup>2+</sup> entry. Journal of Cell Science, 2020, 134, .	1.2	2
12	Defective platelet function in Niemann–Pick disease type C1. JIMD Reports, 2020, 56, 46-57.	0.7	9
13	A two-pore channel protein required for regulating mTORC1 activity on starvation. BMC Biology, 2020, 18, 8.	1.7	16
14	Pyridine Nucleotide Metabolites and Calcium Release from Intracellular Stores. Advances in Experimental Medicine and Biology, 2020, 1131, 371-394.	0.8	15
15	NAADP Receptors. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035071.	2.3	43
16	A multiscale analysis in CD38 $\alpha^{-/-}$ mice unveils major prefrontal cortex dysfunctions. FASEB Journal, 2019, 33, 5823-5835.	0.2	19
17	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
18	TPC2-mediated Ca <sup>2+</sup> signaling is required for the establishment of synchronized activity in developing zebrafish primary motor neurons. Developmental Biology, 2018, 438, 57-68.	0.9	10

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19	Adrenaline Stimulates Glucagon Secretion by Tpc2-Dependent Ca <sup>2+</sup> Mobilization From Acidic Stores in Pancreatic Î±-Cells. Diabetes, 2018, 67, 1128-1139.	0.3	61
20	Hippocampal mGluR1-dependent long-term potentiation requires NAADP-mediated acidic store Ca <sup>2+</sup> signaling. Science Signaling, 2018, 11, .	1.6	41
21	Ca <sup>2+</sup> 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
22	Synthesis of the Ca <sup>2+</sup> -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
23	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
24	Carvedilol Inhibits cADPR- and IP3-Induced Ca <sup>2+</sup> Release. Messenger (Los Angeles, Calif: Print), 2016, 5, 92-99.	0.3	3
25	The two pore channel TPC2 is dispensable in pancreatic Î²-cells for normal Ca <sup>2+</sup> dynamics and insulin secretion. Cell Calcium, 2016, 59, 32-40.	1.1	26
26	Ebolavirus Glycoprotein Directs Fusion through NPC1 <sup>+</sup> Endolysosomes. Journal of Virology, 2016, 90, 605-610.	1.5	67
27	Pathogenic mycobacteria achieve cellular persistence by inhibiting the Niemann-Pick Type C disease cellular pathway. Wellcome Open Research, 2016, 1, 18.	0.9	26
28	Expression of Ca <sup>2+</sup> â€permeable twoâ€pore channels rescues <sc>NAADP</sc> signalling in <sc>TPC</sc> â€deficient cells. EMBO Journal, 2015, 34, 1743-1758.	3.5	144
29	Two-Pore Channels: Lessons from Mutant Mouse Models. Messenger (Los Angeles, Calif: Print), 2015, 4, 4-22.	0.3	22
30	Preferential Coupling of the NAADP Pathway to Exocytosis in T-Cells. Messenger (Los Angeles, Calif:) Tj ETQqO O O rgBT /Overlock 10 Tf 5	0.3	8
31	Two-Pore Channel 2 activity is required for slow muscle cell-generated Ca <sup>2+</sup> signaling during myogenesis in intact zebrafish. International Journal of Developmental Biology, 2015, 59, 313-325.	0.3	30
32	Intracellular sphingosine releases calcium from lysosomes. ELife, 2015, 4, .	2.8	115
33	TPC: the NAADP discovery channel?. Biochemical Society Transactions, 2015, 43, 384-389.	1.6	41
34	A primer of NAADP-mediated Ca <sup>2+</sup> signalling: From sea urchin eggs to mammalian cells. Cell Calcium, 2015, 58, 27-47.	1.1	110
35	Imaging approaches to measuring lysosomal calcium. Methods in Cell Biology, 2015, 126, 159-195.	0.5	36
36	Lysosomal Two-pore Channel Subtype 2 (TPC2) Regulates Skeletal Muscle Autophagic Signaling. Journal of Biological Chemistry, 2015, 290, 3377-3389.	1.6	69

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37	Two-pore Channels (TPC2s) and Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) at Lysosomal-Sarcoplasmic Reticular Junctions Contribute to Acute and Chronic $\text{I}^2$ -Adrenoceptor Signaling in the Heart. <i>Journal of Biological Chemistry</i> , 2015, 290, 30087-30098.	1.6	63
38	Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) and Endolysosomal Two-pore Channels Modulate Membrane Excitability and Stimulus-Secretion Coupling in Mouse Pancreatic $\text{I}^2$ Cells. <i>Journal of Biological Chemistry</i> , 2015, 290, 21376-21392.	1.6	48
39	Reply to "TPC1 Knockout Knocks Out TPC1". <i>Molecular and Cellular Biology</i> , 2015, 35, 1884-1884.	1.1	1
40	GLP-1 stimulates insulin secretion by PKC-dependent TRPM4 and TRPM5 activation. <i>Journal of Clinical Investigation</i> , 2015, 125, 4714-4728.	3.9	145
41	Synthesis of [ <sup>32</sup> P]NAADP for the Radioreceptor Binding Assay. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076919.	0.2	1
42	Preparation and Use of Sea Urchin Egg Homogenates for Studying NAADP-Mediated $\text{Ca}^{2+}$ Release. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076901-pdb.prot076901.	0.2	6
43	Identification of a Novel Gene for Diabetic Traits in Rats, Mice, and Humans. <i>Genetics</i> , 2014, 198, 17-29.	1.2	44
44	Reconstituted Human TPC1 Is a Proton-Permeable Ion Channel and Is Activated by NAADP or $\text{Ca}^{2+}$ . <i>Science Signaling</i> , 2014, 7, ra46.	1.6	79
45	Preparation and Use of Sea Urchin Egg Homogenates. <i>Methods in Molecular Biology</i> , 2014, 1128, 161-173.	0.4	4
46	VEGF-induced neoangiogenesis is mediated by NAADP and two-pore channel- $\text{Ca}^{2+}$ dependent $\text{Ca}^{2+}$ signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4706-15.	3.3	138
47	"Click cyclic ADP-ribose": a neutral second messenger mimic. <i>Chemical Communications</i> , 2014, 50, 2458-2461.	2.2	25
48	Synthesis of Caged NAADP. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076943-pdb.prot076943.	0.2	0
49	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, 3981-3992.	1.1	76
50	Synthesis of NAADP-AM as a Membrane-Permeant NAADP Analog. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076927.	0.2	3
51	Two-pore channels (TPCs): Current controversies. <i>BioEssays</i> , 2014, 36, 173-183.	1.2	96
52	Measurement of Luminal pH of Acidic Stores as a Readout for NAADP Action. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot076935.	0.2	1
53	Altered distribution and function of natural killer cells in murine and human Niemann-Pick disease type C1. <i>Blood</i> , 2014, 123, 51-60.	0.6	38
54	Hax1 identified as a two-pore channel (TPC)-binding protein. <i>FEBS Letters</i> , 2013, 587, 3782-3786.	1.3	20

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55	The endoplasmic reticulum and junctional membrane communication during calcium signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 2542-2559.	1.9	99
56	Bidirectional Ca <sup>2+</sup> signaling occurs between the endoplasmic reticulum and acidic organelles. <i>Journal of Cell Biology</i> , 2013, 200, 789-805.	2.3	137
57	Cytolytic granules supply Ca <sup>2+</sup> for their own exocytosis via NAADP and resident two-pore channels. <i>Communicative and Integrative Biology</i> , 2013, 6, e24175.	0.6	7
58	NAADP-Induced Ca <sup>2+</sup> Release: Two-Pore or Not Two-Pore?. <i>Messenger (Los Angeles)</i> , 2013, 2013, 10.1186/1099-0439-2013-10.	0.3	6
59	Photoaffinity Labeling of High Affinity Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)-Binding Proteins in Sea Urchin Egg. <i>Journal of Biological Chemistry</i> , 2012, 287, 2308-2315.	1.6	110
60	Pyridine Nucleotide Metabolites and Calcium Release from Intracellular Stores. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 305-323.	0.8	10
61	The luminal Ca <sup>2+</sup> chelator, TPEN, inhibits NAADP-induced Ca <sup>2+</sup> release. <i>Cell Calcium</i> , 2012, 52, 481-487.	1.1	11
62	̑-Adrenergic receptor signaling increases NAADP and cADPR levels in the heart. <i>Biochemical and Biophysical Research Communications</i> , 2012, 427, 326-329.	1.0	33
63	NAADP Activates Two-Pore Channels on T Cell Cytolytic Granules to Stimulate Exocytosis and Killing. <i>Current Biology</i> , 2012, 22, 2331-2337.	1.8	121
64	An N-Terminal Dileucine Motif Directs Two-Pore Channels to the Tonoplast of Plant Cells. <i>Traffic</i> , 2012, 13, 1012-1022.	1.3	43
65	Molecular mechanisms of endolysosomal Ca <sup>2+</sup> signalling in health and disease. <i>Biochemical Journal</i> , 2011, 439, 349-378.	1.7	329
66	TPC2 is a Novel NAADP-Sensitive Intracellular Ca <sup>2+</sup> -Release Channel with Unique Gating Characteristics. <i>Biophysical Journal</i> , 2011, 100, 433a.	0.2	2
67	Synthesis of cyclic adenosine 5'-diphosphate ribose analogues: a C2'-endo/syn ̑-southern-ribose conformation underlies activity at the sea urchin cADPR receptor. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 278-290.	1.5	23
68	NAADP links histamine H1 receptors to secretion of von Willebrand factor in human endothelial cells. <i>Blood</i> , 2011, 117, 4968-4977.	0.6	71
69	NAADP influences excitation-contraction coupling by releasing calcium from lysosomes in atrial myocytes. <i>Cell Calcium</i> , 2011, 50, 449-458.	1.1	54
70	Physiological roles of NAADP-mediated Ca <sup>2+</sup> signaling. <i>Science China Life Sciences</i> , 2011, 54, 725-732.	2.3	26
71	NAADP Receptors. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004036-a004036.	2.3	52
72	Two-pore Channels Form Homo- and Heterodimers. <i>Journal of Biological Chemistry</i> , 2011, 286, 37058-37062.	1.6	51

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73	Loss of activity mutations in phospholipase C zeta (PLC $\zeta$ ) abolishes calcium oscillatory ability of human recombinant protein in mouse oocytes. Human Reproduction, 2011, 26, 3372-3387.	0.4	75
74	Two-pore channels for integrative Ca <sup>2+</sup> signaling. Communicative and Integrative Biology, 2010, 3, 12-17.	0.6	34
75	NAADP as an intracellular messenger regulating lysosomal calcium-release channels. Biochemical Society Transactions, 2010, 38, 1424-1431.	1.6	91
76	Purified TPC Isoforms Form NAADP Receptors with Distinct Roles for Ca <sup>2+</sup> Signaling and Endolysosomal Trafficking. Current Biology, 2010, 20, 703-709.	1.8	234
77	TPCs: Endolysosomal channels for Ca <sup>2+</sup> mobilization from acidic organelles triggered by NAADP. FEBS Letters, 2010, 584, 1966-1974.	1.3	71
78	Cyclic ADP-ribose and NAADP. , 2010, , 893-896.		0
79	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.	3.3	64
80	TPC2 Is a Novel NAADP-sensitive Ca <sup>2+</sup> Release Channel, Operating as a Dual Sensor of Luminal pH and Ca <sup>2+</sup> . Journal of Biological Chemistry, 2010, 285, 35039-35046.	1.6	197
81	TPC2 Proteins Mediate Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP)- and Agonist-evoked Contractions of Smooth Muscle. Journal of Biological Chemistry, 2010, 285, 24925-24932.	1.6	71
82	Acidic NAADP-sensitive Calcium Stores in the Endothelium. Journal of Biological Chemistry, 2010, 285, 37133-37137.	1.6	57
83	The Ecto-enzyme CD38 Is a Nicotinic Acid Adenine Dinucleotide Phosphate (NAADP) Synthase That Couples Receptor Activation to Ca <sup>2+</sup> Mobilization from Lysosomes in Pancreatic Acinar Cells. Journal of Biological Chemistry, 2010, 285, 38251-38259.	1.6	94
84	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.	1.6	27
85	Ca <sup>2+</sup> 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. Journal of Immunology, 2010, 184, 1829-1839.	0.4	36
86	An emerging role for NAADP-mediated Ca <sup>2+</sup> signaling in the pancreatic Î²-cell. Islets, 2010, 2, 323-330.	0.9	29
87	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
88	Luminal Ca <sup>2+</sup> is a Major Sensitiser of Two-Pore Channels to NAADP. Biophysical Journal, 2010, 98, 682a-683a.	0.2	4
89	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.	1.6	40
90	The acid test: the discovery of two-pore channels (TPCs) as NAADP-gated endolysosomal Ca <sup>2+</sup> release channels. Pflugers Archiv European Journal of Physiology, 2009, 458, 869-876.	1.3	86

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91	NAADP mobilizes calcium from acidic organelles through two-pore channels. <i>Nature</i> , 2009, 459, 596-600.	13.7	687
92	Identification of a chemical probe for NAADP by virtual screening. <i>Nature Chemical Biology</i> , 2009, 5, 220-226.	3.9	274
93	NAADP-mediated channel "chatter"™ in neurons of the rat medulla oblongata. <i>Biochemical Journal</i> , 2009, 419, 91-99.	1.7	53
94	Niemann-Pick disease type C1 is a sphingosine storage disease that causes deregulation of lysosomal calcium. <i>Nature Medicine</i> , 2008, 14, 1247-1255.	15.2	730
95	Cell-permeant NAADP: A novel chemical tool enabling the study of Ca <sup>2+</sup> signalling in intact cells. <i>Cell Calcium</i> , 2008, 43, 531-538.	1.1	73
96	Ca <sup>2+</sup> Signaling Occurs via Second Messenger Release from Intraorganelle Synthesis Sites. <i>Current Biology</i> , 2008, 18, 1612-1618.	1.8	61
97	Investigating cADPR and NAADP in intact and broken cell preparations. <i>Methods</i> , 2008, 46, 194-203.	1.9	28
98	2'-Deoxy Cyclic Adenosine 5'-Diphosphate Ribose Derivatives: Importance of the 2'-Hydroxyl Motif for the Antagonistic Activity of 8-Substituted cADPR Derivatives. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 1623-1636.	2.9	28
99	Sperm express a Ca <sup>2+</sup> -regulated NAADP synthase. <i>Biochemical Journal</i> , 2008, 411, 63-70.	1.7	25
100	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-C239.	2.1	96
101	NAADP Controls Cross-talk between Distinct Ca <sup>2+</sup> Stores in the Heart. <i>Journal of Biological Chemistry</i> , 2007, 282, 15302-15311.	1.6	88
102	Fertilization and Nicotinic Acid Adenine Dinucleotide Phosphate Induce pH Changes in Acidic Ca <sup>2+</sup> Stores in Sea Urchin Eggs. <i>Journal of Biological Chemistry</i> , 2007, 282, 37730-37737.	1.6	39
103	NAADP induces pH changes in the lumen of acidic Ca <sup>2+</sup> stores. <i>Biochemical Journal</i> , 2007, 402, 301-310.	1.7	85
104	Chemo-enzymatic synthesis and biological evaluation of photolabile nicotinic acid adenine dinucleotide phosphate (NAADP+). <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 441-443.	1.5	6
105	Flipping the switch: How a sperm activates the egg at fertilization. <i>Developmental Dynamics</i> , 2007, 236, 2027-2038.	0.8	91
106	Refinement of a radioreceptor binding assay for nicotinic acid adenine dinucleotide phosphate. <i>Analytical Biochemistry</i> , 2007, 371, 26-36.	1.1	28
107	Dual effects of cyclic ADP-ribose on sarcoplasmic reticulum Ca <sup>2+</sup> release and storage in cardiac myocytes isolated from guinea-pig and rat ventricle†. <i>Cell Calcium</i> , 2007, 41, 537-546.	1.1	24
108	Cell-Permeant Small-Molecule Modulators of NAADP-Mediated Ca <sup>2+</sup> Release. <i>Chemistry and Biology</i> , 2006, 13, 659-665.	6.2	16

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109	Calcium signalling by nicotinic acid adenine dinucleotide phosphate (NAADP). FEBS Journal, 2005, 272, 4598-4606.	2.2	58
110	NAADP receptors. Cell Calcium, 2005, 38, 273-280.	1.1	51
111	Role of NAADP and cADPR in the Induction and Maintenance of Agonist-Evoked Ca <sup>2+</sup> Spiking in Mouse Pancreatic Acinar Cells. Current Biology, 2005, 15, 874-878.	1.8	137
112	CHEMICAL SYNTHESIS OF THE NOVEL CA <sup>2+</sup> MESSENGER NAADP. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 513-518.	0.4	6
113	The NAADP Receptor: New Receptors or New Regulation?. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2005, 5, 73-79.	3.4	94
114	Methods in Cyclic ADP-Ribose and NAADP Research. , 2005, , 265-334.		4
115	Organelle Selection Determines Agonist-specific Ca <sup>2+</sup> Signals in Pancreatic Acinar and Î² Cells. Journal of Biological Chemistry, 2004, 279, 7234-7240.	1.6	192
116	Lysosome-Sarcoplasmic Reticulum Junctions. Journal of Biological Chemistry, 2004, 279, 54319-54326.	1.6	179
117	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.	7.2	14
118	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.	1.4	11
119	Intracellular Calcium Channels: cADPR-Modulated (Ryanodine Receptors). , 2004, , 465-468.		0
120	Sperm Deliver a New Second Messenger. Current Biology, 2003, 13, 125-128.	1.8	155
121	NAADP. Current Biology, 2003, 13, 247-251.	1.8	159
122	Convergent Synthesis and Unexpected Ca <sup>2+</sup> -Mobilizing Activity of 8-Substituted Analogues of Cyclic ADP-Carbocyclic-Ribose, a Stable Mimic of the Ca <sup>2+</sup> -Mobilizing Second Messenger Cyclic ADP-Ribose. Journal of Medicinal Chemistry, 2003, 46, 4741-4749.	2.9	24
123	Phospholipase C-dependent Ca <sup>2+</sup> release by worm and mammal sperm factors. Biochemical and Biophysical Research Communications, 2003, 307, 47-51.	1.0	10
124	The NO Pathway Acts Late during the Fertilization Response in Sea Urchin Eggs. Journal of Biological Chemistry, 2003, 278, 12247-12254.	1.6	67
125	Vasodilation by the Calcium-mobilizing Messenger Cyclic ADP-ribose. Journal of Biological Chemistry, 2003, 278, 9602-9608.	1.6	50
126	Cyclic ADP-ribose and NAADP. , 2003, , 15-17.		1



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127	Nicotinic Acid Adenine Dinucleotide Phosphate Mediates Ca <sup>2+</sup> Signals and Contraction in Arterial Smooth Muscle via a Two-Pool Mechanism. <i>Circulation Research</i> , 2002, 91, 1168-1175.	2.0	106
128	A pivotal role for cADPR-mediated Ca <sup>2+</sup> signaling: regulation of endothelin-induced contraction in peritubular smooth muscle cells. <i>FASEB Journal</i> , 2002, 16, 697-705.	0.2	56
129	Solubilization of Receptors for the Novel Ca <sup>2+</sup> -mobilizing Messenger, Nicotinic Acid Adenine Dinucleotide Phosphate. <i>Journal of Biological Chemistry</i> , 2002, 277, 43717-43723.	1.6	51
130	Metabolism of the novel Ca <sup>2+</sup> -mobilizing messenger nicotinic acid-adenine dinucleotide phosphate via a Ca <sup>2+</sup> -specific Ca <sup>2+</sup> -dependent phosphatase. <i>Biochemical Journal</i> , 2002, 365, 295-301.	1.7	43
131	NAADP Mobilizes Ca <sup>2+</sup> from Reserve Granules, Lysosome-Related Organelles, in Sea Urchin Eggs. <i>Cell</i> , 2002, 111, 703-708.	13.5	442
132	Calmodulin Dissociation Mediates Desensitization of the cADPR-Induced Ca <sup>2+</sup> Release Mechanism. <i>Current Biology</i> , 2002, 12, 2018-2022.	1.8	25
133	Transformation of local Ca <sup>2+</sup> spikes to global Ca <sup>2+</sup> transients: the combinatorial roles of multiple Ca <sup>2+</sup> releasing messengers. <i>EMBO Journal</i> , 2002, 21, 909-919.	3.5	166
134	Spatial and Temporal Control of Calcium Signaling by NAADP. , 2002, , 199-215.		2
135	Regulation of Synthesis of cADPR and NAADP. , 2002, , 45-64.		1
136	Sensitizing Calcium-Induced Calcium Release. , 2002, , 167-197.		2
137	Ca <sup>2+</sup> Release Induced by Cyclic ADP Ribose in Mice Lacking Type 3 Ryanodine Receptor. <i>Biochemical and Biophysical Research Communications</i> , 2001, 288, 697-702.	1.0	7
138	Coordination of Ca <sup>2+</sup> signalling by NAADP. <i>Trends in Biochemical Sciences</i> , 2001, 26, 482-489.	3.7	151
139	ADP-ribosyl Cyclase and Cyclic ADP-ribose Hydrolase Act as a Redox Sensor. <i>Journal of Biological Chemistry</i> , 2001, 276, 11180-11188.	1.6	116
140	Prolonged Inactivation of Nicotinic Acid Adenine Dinucleotide Phosphate-induced Ca <sup>2+</sup> Release Mediates a Spatiotemporal Ca <sup>2+</sup> Memory. <i>Journal of Biological Chemistry</i> , 2001, 276, 11223-11225.	1.6	39
141	Calcium Signaling. , 2001, , 679-691.		1
142	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.	1.7	19
143	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.	1.7	51
144	Two neuropeptides recruit different messenger pathways to evoke Ca <sup>2+</sup> signals in the same cell. <i>Current Biology</i> , 2000, 10, 993-996.	1.8	41

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145	NAADP-induced calcium release in sea urchin eggs. <i>Biology of the Cell</i> , 2000, 92, 197-204.	0.7	61
146	Widespread Distribution of Binding Sites for the Novel Ca <sup>2+</sup> -mobilizing Messenger, Nicotinic Acid Adenine Dinucleotide Phosphate, in the Brain. <i>Journal of Biological Chemistry</i> , 2000, 275, 36495-36497.	1.6	57
147	Spatial Control of Ca <sup>2+</sup> Signaling by Nicotinic Acid Adenine Dinucleotide Phosphate Diffusion and Gradients. <i>Journal of Biological Chemistry</i> , 2000, 275, 38687-38692.	1.6	81
148	Induction of Hippocampal LTD Requires Nitric-Oxide-Stimulated PKG Activity and Ca <sup>2+</sup> Release From Cyclic ADP-Ribose-Sensitive Stores. <i>Journal of Neurophysiology</i> , 1999, 82, 1569-1576.	0.9	106
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