Jan B Parys

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Bcl-xL acts as an inhibitor of IP3R channels, thereby antagonizing Ca2+-driven apoptosis. Cell Death and Differentiation, 2022, 29, 788-805.	11.2	41
2	Preface to the Special Issue of the European Calcium Society in honor of Professor Sir Michael J. Berridge. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119172.	4.1	0
3	A non-canonical role for pyruvate kinase M2 as a functional modulator of Ca2+ signalling through IP3 receptors. Biochimica Et Biophysica Acta - Molecular Cell Research, 2022, 1869, 119206.	4.1	9
4	TRPC3 shapes the ER-mitochondria Ca2+ transfer characterizing tumour-promoting senescence. Nature Communications, 2022, 13, 956.	12.8	29
5	Rhomboid pseudoproteases: An Achilles heel's for BCL-2/IP3R-dependent resistance to ER stress-induced cell death. Cell Calcium, 2022, 104, 102593.	2.4	1
6	TMBIM5 loss of function alters mitochondrial matrix ion homeostasis and causes a skeletal myopathy. Life Science Alliance, 2022, 5, e202201478.	2.8	14
7	IP3 Receptor Biology and EndoplasmicÂReticulum Calcium Dynamics in Cancer. Progress in Molecular and Subcellular Biology, 2021, 59, 215-237.	1.6	10
8	BIRD-2, a BH4-domain-targeting peptide of Bcl-2, provokes Bax/Bak-independent cell death in B-cell cancers through mitochondrial Ca2+-dependent mPTP opening. Cell Calcium, 2021, 94, 102333.	2.4	28
9	A comprehensive overview of the complex world of the endo- and sarcoplasmic reticulum Ca2+-leak channels. Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119020.	4.1	38
10	Balancing ER-Mitochondrial Ca2+ Fluxes in Health and Disease. Trends in Cell Biology, 2021, 31, 598-612.	7.9	69
11	Uniting the divergent Wolfram syndromeâ€“linked proteins WFS1 and CISD2 as modulators of Ca ²⁺ signaling. Science Signaling, 2021, 14, eabc6165.	3.6	15
12	Bcl-2-Protein Family as Modulators of IP₃Receptors and Other Organellar Ca²⁺Channels. Cold Spring Harbor Perspectives in Biology, 2020, 12, a035089.	5.5	50
13	Transmembrane BAX Inhibitor-1 Motif Containing Protein 5 (TMBIM5) Sustains Mitochondrial Structure, Shape, and Function by Impacting the Mitochondrial Protein Synthesis Machinery. Cells, 2020, 9, 2147.	4.1	14
14	Necroptosis in Immuno-Oncology and Cancer Immunotherapy. Cells, 2020, 9, 1823.	4.1	109
15	EPIC3, a novel Ca2+ indicator located at the cell cortex and in microridges, detects high Ca2+ subdomains during Ca2+ influx and phagocytosis. Cell Calcium, 2020, 92, 102291.	2.4	3
16	STIM1 Deficiency Leads to Specific Down-Regulation of ITPR3 in SH-SY5Y Cells. International Journal of Molecular Sciences, 2020, 21, 6598.	4.1	8
17	Type 3 IP3 receptors: The chameleon in cancer. International Review of Cell and Molecular Biology, 2020, 351, 101-148.	3.2	22
18	New Insights in the IP3 Receptor and Its Regulation. Advances in Experimental Medicine and Biology, 2020, 1131, 243-270.	1.6	54

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19	Synthesis and Characterization of Store-Operated Calcium Entry Inhibitors Active in the Submicromolar Range. International Journal of Molecular Sciences, 2020, 21, 9777.	4.1	2
20	Constitutive IP3 signaling underlies the sensitivity of B-cell cancers to the Bcl-2/IP3 receptor disruptor BIRD-2. Cell Death and Differentiation, 2019, 26, 531-547.	11.2	69
21	L-asparaginase-induced apoptosis in ALL cells involves IP3 receptor signaling. Cell Calcium, 2019, 83, 102076.	2.4	3
22	Bcl-2 and IP3 compete for the ligand-binding domain of IP3Rs modulating Ca2+ signaling output. Cellular and Molecular Life Sciences, 2019, 76, 3843-3859.	5.4	31
23	The emerging interrelation between ROCO and related kinases, intracellular Ca2+ signaling, and autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1054-1067.	4.1	3
24	The mycotoxin phomoxanthone A disturbs the form and function of the inner mitochondrial membrane. Cell Death and Disease, 2018, 9, 286.	6.3	27
25	Emerging molecular mechanisms in chemotherapy: Ca2+ signaling at the mitochondria-associated endoplasmic reticulum membranes. Cell Death and Disease, 2018, 9, 334.	6.3	104
26	A critical appraisal of the role of intracellular Ca2+-signaling pathways in Kawasaki disease. Cell Calcium, 2018, 71, 95-103.	2.4	8
27	A double point mutation at residues Ile14 and Val15 of Bclâ€2 uncovers a role for the BH4 domain in both protein stability and function. FEBS Journal, 2018, 285, 127-145.	4.7	16
28	Bcl-2 inhibitors as anti-cancer therapeutics: The impact of and on calcium signaling. Cell Calcium, 2018, 70, 102-116.	2.4	35
29	The regulation of autophagy by calcium signals: Do we have a consensus?. Cell Calcium, 2018, 70, 32-46.	2.4	189
30	Ca2+ signaling and cell death: Focus on Ca2+-transport systems and their implication in cell death and survival. Cell Calcium, 2018, 69, 1-3.	2.4	7
31	Ca2+ signaling and cell death: Focus on the role of Ca2+ signals in the regulation of cell death & survival processes in health, disease and therapy. Cell Calcium, 2018, 70, 1-2.	2.4	13
32	Extracellular and ER-stored Ca2+ contribute to BIRD-2-induced cell death in diffuse large B-cell lymphomaÂcells. Cell Death Discovery, 2018, 4, 101.	4.7	8
33	The ER Stress Inducer l-Azetidine-2-Carboxylic Acid Elevates the Levels of Phospho-eIF2Î± and of LC3-II in a Ca2+-Dependent Manner. Cells, 2018, 7, 239.	4.1	21
34	Nonlinear relationship between ER Ca2+ depletion versus induction of the unfolded protein response, autophagy inhibition, and cell death. Cell Calcium, 2018, 76, 48-61.	2.4	12
35	The multifaceted STAT3: How a transcription factor regulates Ca2+ signaling via a degradative pathway. Cell Calcium, 2018, 76, 137-139.	2.4	3
36	Calcium signaling in health, disease and therapy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1657-1659.	4.1	20

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37	Pathophysiological consequences of isoform-specific IP3 receptor mutations. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1707-1717.	4.1	31
38	DPB162-AE, an inhibitor of store-operated Ca2+ entry, can deplete the endoplasmic reticulum Ca2+ store. Cell Calcium, 2017, 62, 60-70.	2.4	21
39	The selective Bcl-2 inhibitor venetoclax, a BH3 mimetic, does not dysregulate intracellular Ca 2+ signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 968-976.	4.1	33
40	Basal ryanodine receptor activity suppresses autophagic flux. Biochemical Pharmacology, 2017, 132, 133-142.	4.4	31
41	The BH4 domain of Bcl-2 orthologues from different classes of vertebrates can act as an evolutionary conserved inhibitor of IP3 receptor channels. Cell Calcium, 2017, 62, 41-46.	2.4	11
42	Resveratrol-induced autophagy is dependent on IP3Rs and on cytosolic Ca2+. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 947-956.	4.1	43
43	Endoplasmic Reticulum-Mitochondria Communication Through Ca2+ Signaling: The Importance of Mitochondria-Associated Membranes (MAMs). Advances in Experimental Medicine and Biology, 2017, 997, 49-67.	1.6	107
44	Alterations in Ca2+ Signalling via ER-Mitochondria Contact Site Remodelling in Cancer. Advances in Experimental Medicine and Biology, 2017, 997, 225-254.	1.6	35
45	<scp>PMCA</scp>4b as tumor suppressor: The <scp>C</scp>a²⁺ line as therapeutic avenue in cancer. International Journal of Cancer, 2017, 140, 2632-2633.	5.1	0
46	IP3 Receptor Properties and Function at Membrane Contact Sites. Advances in Experimental Medicine and Biology, 2017, 981, 149-178.	1.6	19
47	IP3 Receptor-Mediated Calcium Signaling and Its Role in Autophagy in Cancer. Frontiers in Oncology, 2017, 7, 140.	2.8	123
48	Downregulation of type 3 inositol (1,4,5)-trisphosphate receptor decreases breast cancer cell migration through an oscillatory Ca2+ signal. Oncotarget, 2017, 8, 72324-72341.	1.8	44
49	Reciprocal sensitivity of diffuse large B-cell lymphoma cells to Bcl-2 inhibitors BIRD-2 versus venetoclax. Oncotarget, 2017, 8, 111656-111671.	1.8	23
50	Intracellular Ca 2+ signaling and Ca 2+ microdomains in the control of cell survival, apoptosis and autophagy. Cell Calcium, 2016, 60, 74-87.	2.4	215
51	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
52	ER functions of oncogenes and tumor suppressors: Modulators of intracellular Ca2+ signaling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1364-1378.	4.1	122
53	Bcl-2 proteins and calcium signaling: complexity beneath the surface. Oncogene, 2016, 35, 5079-5092.	5.9	144
54	BAX inhibitor-1 is a Ca2+ channel critically important for immune cell function and survival. Cell Death and Differentiation, 2016, 23, 358-368.	11.2	29

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55	The trans-membrane domain of Bcl-2Î±, but not its hydrophobic cleft, is a critical determinant for efficient IP3 receptor inhibition. Oncotarget, 2016, 7, 55704-55720.	1.8	34
56	Ryanodine receptors are targeted by anti-apoptotic Bcl-XL involving its BH4 domain and Lys87 from its BH3 domain. Scientific Reports, 2015, 5, 9641.	3.3	30
57	HA14-1 potentiates apoptosis in B-cell cancer cells sensitive to a peptide disrupting IP3 receptor / Bcl-2 complexes. International Journal of Developmental Biology, 2015, 59, 391-398.	0.6	21
58	The type 2 inositol 1,4,5-trisphosphate receptor, emerging functions for an intriguing Ca2+-release channel. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1992-2005.	4.1	57
59	Bcl-2 and FKBP12 bind to IP3 and ryanodine receptors at overlapping sites: the complexity of proteinâ€“protein interactions for channel regulation. Biochemical Society Transactions, 2015, 43, 396-404.	3.4	19
60	Potentiation of the store-operated calcium entry (SOCE) induces phytohemagglutinin-activated Jurkat T cell apoptosis. Cell Calcium, 2015, 58, 171-185.	2.4	14
61	The effect of <scp>M</scp>â€phase stageâ€dependent kinase inhibitors on inositol 1,4,5â€trisphosphate receptor 1 (<scp>IP₃R1</scp>) expression and localization in pig oocytes. Animal Science Journal, 2015, 86, 138-147.	1.4	4
62	Regulation of the ryanodine receptor by anti-apoptotic Bcl-2 is independent of its BH3-domain-binding properties. Biochemical and Biophysical Research Communications, 2015, 463, 174-179.	2.1	12
63	Endoplasmic reticulum Ca2+ content decrease by PKA-dependent hyperphosphorylation of type 1 IP3 receptor contributes to prostate cancer cell resistance to androgen deprivation. Cell Calcium, 2015, 57, 312-320.	2.4	29
64	The BH4 Domain of Anti-apoptotic Bcl-XL, but Not That of the Related Bcl-2, Limits the Voltage-dependent Anion Channel 1 (VDAC1)-mediated Transfer of Pro-apoptotic Ca2+ Signals to Mitochondria. Journal of Biological Chemistry, 2015, 290, 9150-9161.	3.4	108
65	ITPRs/inositol 1,4,5-trisphosphate receptors in autophagy: From enemy to ally. Autophagy, 2015, 11, 1944-1948.	9.1	21
66	Effect of M-phase kinase phosphorylations on type 1 inositol 1,4,5-trisphosphate receptor-mediated Ca2+ responses in mouse eggs. Cell Calcium, 2015, 58, 476-488.	2.4	15
67	Feedback regulation mediated by Bcl-2 and DARPP-32 regulates inositol 1,4,5-trisphosphate receptor phosphorylation and promotes cell survival. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 1186-1191.	7.1	42
68	Resveratrol is not compatible with a Fura-2-based assay for measuring intracellular Ca2+ signaling. Biochemical and Biophysical Research Communications, 2014, 450, 1626-1630.	2.1	14
69	Measurement of Intracellular Ca2+ Release in Permeabilized Cells Using 45Ca2+. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot073189-pdb.prot073189.	0.3	9
70	The IP ₃ Receptor as a Hub for Bcl-2 Family Proteins in Cell Death Control and Beyond. Science Signaling, 2014, 7, pe4.	3.6	17
71	Measurement of Intracellular Ca2+ Release in Intact and Permeabilized Cells Using 45Ca2+. Cold Spring Harbor Protocols, 2014, 2014, pdb.top066126-pdb.top066126.	0.3	4
72	Measurement of Intracellular Ca²⁺ Release in Intact Cells Using ⁴⁵Ca²⁺. Cold Spring Harbor Protocols, 2014, 2014, pdb.prot073197.	0.3	2

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73	Inositol 1,4,5-trisphosphate receptor-isoform diversity in cell death and survival. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2164-2183.	4.1	151
74	A dual role for the anti-apoptotic Bcl-2 protein in cancer: Mitochondria versus endoplasmic reticulum. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 2240-2252.	4.1	170
75	Differential Effects of Bitter Compounds on the Taste Transduction Channels TRPM5 and IP3 Receptor Type 3. Chemical Senses, 2014, 39, 295-311.	2.0	29
76	Bcl-2 binds to and inhibits ryanodine receptors. Journal of Cell Science, 2014, 127, 2782-92.	2.0	55
77	Polycystins and cellular Ca2+ signaling. Cellular and Molecular Life Sciences, 2013, 70, 2697-2712.	5.4	28
78	Polycystin-1 but not polycystin-2 deficiency causes upregulation of the mTOR pathway and can be synergistically targeted with rapamycin and metformin. Pflugers Archiv European Journal of Physiology, 2013, 466, 1591-604.	2.8	20
79	Bax Inhibitor-1-mediated Ca2+ leak is decreased by cytosolic acidosis. Cell Calcium, 2013, 54, 186-192.	2.4	28
80	Regulation of inositol 1,4,5-trisphosphate receptors during endoplasmic reticulum stress. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1612-1624.	4.1	90
81	Curcumin affects proprotein convertase activity: Elucidation of the molecular and subcellular mechanism. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 1924-1935.	4.1	6
82	Vitrification procedure decreases inositol 1,4,5â€trisphophate receptor expression, resulting in low fertility of pig oocytes. Animal Science Journal, 2013, 84, 693-701.	1.4	15
83	IP3R2 levels dictate the apoptotic sensitivity of diffuse large B-cell lymphoma cells to an IP3R-derived peptide targeting the BH4 domain of Bcl-2. Cell Death and Disease, 2013, 4, e632-e632.	6.3	96
84	Intracellular Ca²⁺signaling: A novel player in the canonical mTOR-controlled autophagy pathway. Communicative and Integrative Biology, 2013, 6, e25429.	1.4	14
85	HA14-1, but not the BH3 mimetic ABT-737, causes Ca2+ dysregulation in platelets and human cell lines. Haematologica, 2013, 98, e49-e51.	3.5	17
86	mTOR-Controlled Autophagy Requires Intracellular Ca2+ Signaling. PLoS ONE, 2013, 8, e61020.	2.5	94
87	Alpha-Helical Destabilization of the Bcl-2-BH4-Domain Peptide Abolishes Its Ability to Inhibit the IP3 Receptor. PLoS ONE, 2013, 8, e73386.	2.5	27
88	Abstract B42: The regulation of the ER-mitochondria-Ca2+ cross-talk by Bcl-2 and Bcl-XL: A new scenario for the development of selective tools in oncology?. , 2013, , .		1
89	Vimentin and the K-Ras-induced actin-binding protein control inositol-(1,4,5)-trisphosphate receptor redistribution during MDCK cell differentiation.. Journal of Cell Science, 2012, 125, 5428-40.	2.0	11
90	Multivalent Benzene Polyphosphate Derivatives are Non-Ca²⁺-Mobilizing Ins(1,4,5)P₃ Receptor Antagonists. Messenger (Los Angeles, Calif: Print), 2012, 1, 167-181.	0.3	11

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91	Bax Inhibitor-1 is a novel IP3 receptor-interacting and -sensitizing protein. Cell Death and Disease, 2012, 3, e367-e367.	6.3	44
92	Selective regulation of IP3-receptor-mediated Ca2+ signaling and apoptosis by the BH4 domain of Bcl-2 versus Bcl-Xl. Cell Death and Differentiation, 2012, 19, 295-309.	11.2	160
93	The C Terminus of Bax Inhibitor-1 Forms a Ca2+-permeable Channel Pore. Journal of Biological Chemistry, 2012, 287, 2544-2557.	3.4	77
94	Role of the inositol 1,4,5-trisphosphate receptor/Ca2+-release channel in autophagy. Cell Communication and Signaling, 2012, 10, 17.	6.5	81
95	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
96	Profiling of the Bcl-2/Bcl-XL-binding sites on type 1 IP3 receptor. Biochemical and Biophysical Research Communications, 2012, 428, 31-35.	2.1	42
97	Neuronal overexpression of IP3 receptor 2 is detrimental in mutant SOD1 mice. Biochemical and Biophysical Research Communications, 2012, 429, 210-213.	2.1	12
98	Inositol 1,4,5-Trisphosphate and Its Receptors. Advances in Experimental Medicine and Biology, 2012, 740, 255-279.	1.6	98
99	Regulation of the Autophagic Bcl-2/Beclin 1 Interaction. Cells, 2012, 1, 284-312.	4.1	186
100	RhoA GTPase Switch Controls Cx43-Hemichannel Activity through the Contractile System. PLoS ONE, 2012, 7, e42074.	2.5	24
101	IP₃ receptorâ€binding partners in cellâ€death mechanisms. Environmental Sciences Europe, 2012, 1, 201-210.	5.5	6
102	Polycystin-1 and polycystin-2 are both required to amplify inositol-trisphosphate-induced Ca2+ release. Cell Calcium, 2012, 51, 452-458.	2.4	43
103	Regulation of inositol 1,4,5â€trisphosphate receptor function during mouse oocyte maturation. Journal of Cellular Physiology, 2012, 227, 705-717.	4.1	42
104	Endoplasmic-Reticulum Calcium Depletion and Disease. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004317-a004317.	5.5	355
105	Induction of Ca2+-driven apoptosis in chronic lymphocytic leukemia cells by peptide-mediated disruption of Bcl-2â€“IP3 receptor interaction. Blood, 2011, 117, 2924-2934.	1.4	117
106	STIM1 as a key regulator for Ca2+ homeostasis in skeletal-muscle development and function. Skeletal Muscle, 2011, 1, 16.	4.2	65
107	The IP3 receptorâ€“mitochondria connection in apoptosis and autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1003-1013.	4.1	155
108	A dual role for Ca2+ in autophagy regulation. Cell Calcium, 2011, 50, 242-250.	2.4	223

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109	Alterations in calcium oscillatory activity in vitrified mouse eggs impact on egg quality and subsequent embryonic development. Pflugers Archiv European Journal of Physiology, 2011, 461, 515-526.	2.8	28
110	Ins(1,4,5)<i><i>P</i></i>₃receptor-mediated Ca²⁺signaling and autophagy induction are interrelated. Autophagy, 2011, 7, 1472-1489.	9.1	143
111	IP₃Receptors, Mitochondria, and Ca²⁺Signaling: Implications for Aging. Journal of Aging Research, 2011, 2011, 1-20.	0.9	88
112	Phosphorylation of inositol 1,4,5â€triphosphate receptor 1 during <i>in vitro</i> maturation of porcine oocytes. Animal Science Journal, 2010, 81, 34-41.	1.4	25
113	Intracellular Ca2+ storage in health and disease: A dynamic equilibrium. Cell Calcium, 2010, 47, 297-314.	2.4	169
114	STIM1, but not STIM2, is required for proper agonist-induced Ca2+ signaling. Cell Calcium, 2010, 48, 161-167.	2.4	15
115	Inositol 1,4,5â€trisphosphate receptor 1 degradation in mouse eggs and impact on [Ca²⁺]_i oscillations. Journal of Cellular Physiology, 2010, 222, 238-247.	4.1	29
116	Polycystin-2 Activation by Inositol 1,4,5-Trisphosphate-induced Ca2+ Release Requires Its Direct Association with the Inositol 1,4,5-Trisphosphate Receptor in a Signaling Microdomain. Journal of Biological Chemistry, 2010, 285, 18794-18805.	3.4	101
117	Unraveling the role of polycystin-2/inositol 1,4,5-trisphosphate receptor interaction in Ca²⁺ signaling. Communicative and Integrative Biology, 2010, 3, 530-532.	1.4	9
118	Inositol 1,4,5-trisphosphate-induced Ca2+ signalling is involved in estradiol-induced breast cancer epithelial cell growth. Molecular Cancer, 2010, 9, 156.	19.2	74
119	Human Golgi Antiapoptotic Protein Modulates Intracellular Calcium Fluxes. Molecular Biology of the Cell, 2009, 20, 3638-3645.	2.1	60
120	The BH4 domain of Bcl-2 inhibits ER calcium release and apoptosis by binding the regulatory and coupling domain of the IP3 receptor. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 14397-14402.	7.1	258
121	Regulation of inositol 1,4,5-trisphosphate-induced Ca2+ release by reversible phosphorylation and dephosphorylation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2009, 1793, 959-970.	4.1	160
122	Regulation of inositol 1,4,5-trisphosphate receptor type 1 function during oocyte maturation by MPM-2 phosphorylation. Cell Calcium, 2009, 46, 56-64.	2.4	35
123	The complex regulatory function of the ligand-binding domain of the inositol 1,4,5-trisphosphate receptor. Cell Calcium, 2008, 43, 17-27.	2.4	30
124	Caspaseâ€3â€truncated type 1 inositol 1,4,5â€trisphosphate receptor enhances intracellular Ca²⁺ leak and disturbs Ca²⁺ signalling. Biology of the Cell, 2008, 100, 39-49.	2.0	45
125	Targeting Bcl-2-IP3 Receptor Interaction to Reverse Bcl-2's Inhibition of Apoptotic Calcium Signals. Molecular Cell, 2008, 31, 255-265.	9.7	225
126	Inositol 1,4,5-trisphosphate receptor 1, a widespread Ca2+ channel, is a novel substrate of polo-like kinase 1 in eggs. Developmental Biology, 2008, 320, 402-413.	2.0	47

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127	Phosphorylation of inositol 1,4,5-trisphosphate receptors by protein kinase B/Akt inhibits Ca ²⁺ release and apoptosis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 2427-2432.	7.1	238
128	Biphenyl 2,3â€²,4,5â€²,6â€pentakisphosphate, a novel inositol polyphosphate surrogate, modulates Ca 2+ responses in rat hepatocytes. FASEB Journal, 2007, 21, 1481-1491.	0.5	34
129	Protein phosphatase-1 is a novel regulator of the interaction between IRBIT and the inositol 1,4,5-trisphosphate receptor. Biochemical Journal, 2007, 407, 303-311.	3.7	51
130	Uncoupled IP3 receptor can function as a Ca2+-leak channel: cell biological and pathological consequences. Biology of the Cell, 2006, 98, 1-14.	2.0	53
131	Binding of IRBIT to the IP3 receptor: Determinants and functional effects. Biochemical and Biophysical Research Communications, 2006, 343, 49-56.	2.1	38
132	The suppressor domain of inositol 1,4,5-trisphosphate receptor plays an essential role in the protection against apoptosis. Cell Calcium, 2006, 39, 325-336.	2.4	22
133	Up-regulation of inositol 1,4,5-trisphosphate receptor type 1 is responsible for a decreased endoplasmic-reticulum Ca2+ content in presenilin double knock-out cells. Cell Calcium, 2006, 40, 41-51.	2.4	79
134	Phosphorylation of IP3R1 and the regulation of[Ca2+]i responses at fertilization: a role for the MAP kinase pathway. Development (Cambridge), 2006, 133, 4355-4365.	2.5	91
135	Endogenously Bound Calmodulin Is Essential for the Function of the Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 2006, 281, 8332-8338.	3.4	31
136	Fertilization and Inositol 1,4,5-Trisphosphate (IP3)-Induced Calcium Release in Type-1 Inositol 1,4,5-Trisphosphate Receptor Down-Regulated Bovine Eggs1. Biology of Reproduction, 2005, 73, 2-13.	2.7	56
137	Suramin and Disulfonated Stilbene Derivatives Stimulate the Ca2+-Induced Ca2+-Release Mechanism in A7r5 Cells. Molecular Pharmacology, 2005, 68, 241-250.	2.3	13
138	The 12 kDa FK506-binding protein, FKBP12, modulates the Ca2+-flux properties of the type-3 ryanodine receptor. Journal of Cell Science, 2004, 117, 1129-1137.	2.0	33
139	Caspase-3-induced Truncation of Type 1 Inositol Trisphosphate Receptor Accelerates Apoptotic Cell Death and Induces Inositol Trisphosphate-independent Calcium Release during Apoptosis. Journal of Biological Chemistry, 2004, 279, 43227-43236.	3.4	121
140	The N-terminal Ca2+-Independent Calmodulin-Binding Site on the Inositol 1,4,5-trisphosphate Receptor Is Responsible for Calmodulin Inhibition, Even Though This Inhibition Requires Ca2+. Molecular Pharmacology, 2004, 66, 276-284.	2.3	33
141	Two Types of Store-operated Ca2+ Channels with Different Activation Modes and Molecular Origin in LNCaP Human Prostate Cancer Epithelial Cells. Journal of Biological Chemistry, 2004, 279, 30326-30337.	3.4	92
142	Regulation of InsP3 receptor activity by neuronal Ca2+-binding proteins. EMBO Journal, 2004, 23, 312-321.	7.8	149
143	The Ca2+/Mn2+ pumps in the Golgi apparatus. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 103-112.	4.1	123
144	Subcellular distribution of the inositol 1,4,5-trisphosphate receptors: functional relevance and molecular determinants. Biology of the Cell, 2004, 96, 3-17.	2.0	155

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145	Regulation of the phosphorylation of the inositol 1,4,5-trisphosphate receptor by protein kinase C. Biochemical and Biophysical Research Communications, 2004, 319, 888-893.	2.1	37
146	SPCA1 pumps and Haileyâ€"Hailey disease. Biochemical and Biophysical Research Communications, 2004, 322, 1204-1213.	2.1	92
147	Cell cycle-coupled [Ca2+]i oscillations in mouse zygotes and function of the inositol 1,4,5-trisphosphate receptor-1. Developmental Biology, 2004, 274, 94-109.	2.0	53
148	Long-lasting changes in GABA responsiveness in cultured neurons. Neuroscience Letters, 2004, 365, 69-72.	2.1	7
149	Thimerosal stimulates Ca2+ flux through inositol 1,4,5-trisphosphate receptor type 1, but not type 3, via modulation of an isoform-specific Ca2+-dependent intramolecular interaction. Biochemical Journal, 2004, 381, 87-96.	3.7	107
150	Calmodulin and Calcium-release Channels. Biological Research, 2004, 37, 577-82.	3.4	7
151	Calcineurin and intracellular Ca2+-release channels: regulation or association?. Biochemical and Biophysical Research Communications, 2003, 311, 1181-1193.	2.1	61
152	The contribution of the SPCA1 Ca2+ pump to the Ca2+ accumulation in the Golgi apparatus of HeLa cells assessed via RNA-mediated interference. Biochemical and Biophysical Research Communications, 2003, 306, 430-436.	2.1	89
153	A Novel Ca2+-induced Ca2+ Release Mechanism in A7r5 Cells Regulated by Calmodulin-like Proteins. Journal of Biological Chemistry, 2003, 278, 27548-27555.	3.4	18
154	Microtubule-dependent redistribution of the type-1 inositol 1,4,5-trisphosphate receptor in A7r5 smooth muscle cells. Journal of Cell Science, 2003, 116, 1269-1277.	2.0	38
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