

Jan B Parys

List of Publications by Year in descending order

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Version: 2024-02-01

214
papers

19,629
citations

20036

63
h-index

13635

134
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217
all docs

217
docs citations

217
times ranked

30794
citing authors

#	ARTICLE	IF	CITATIONS
1	Bcl-xL acts as an inhibitor of IP3R channels, thereby antagonizing Ca ²⁺ -driven apoptosis. <i>Cell Death and Differentiation</i> , 2022, 29, 788-805.	5.0	41
2	Preface to the Special Issue of the European Calcium Society in honor of Professor Sir Michael J. Berridge. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119172.	1.9	0
3	A non-canonical role for pyruvate kinase M2 as a functional modulator of Ca ²⁺ signalling through IP3 receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119206.	1.9	9
4	TRPC3 shapes the ER-mitochondria Ca ²⁺ transfer characterizing tumour-promoting senescence. <i>Nature Communications</i> , 2022, 13, 956.	5.8	29
5	Rhomboid pseudoproteases: An Achilles heel's for BCL-2/IP3R-dependent resistance to ER stress-induced cell death. <i>Cell Calcium</i> , 2022, 104, 102593.	1.1	1
6	TMBIM5 loss of function alters mitochondrial matrix ion homeostasis and causes a skeletal myopathy. <i>Life Science Alliance</i> , 2022, 5, e202201478.	1.3	14
7	IP3 Receptor Biology and Endoplasmic Reticulum Calcium Dynamics in Cancer. <i>Progress in Molecular and Subcellular Biology</i> , 2021, 59, 215-237.	0.9	10
8	BIRD-2, a BH4-domain-targeting peptide of Bcl-2, provokes Bax/Bak-independent cell death in B-cell cancers through mitochondrial Ca ²⁺ -dependent mPTP opening. <i>Cell Calcium</i> , 2021, 94, 102333.	1.1	28
9	A comprehensive overview of the complex world of the endo- and sarcoplasmic reticulum Ca ²⁺ -leak channels. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119020.	1.9	38
10	Balancing ER-Mitochondrial Ca ²⁺ Fluxes in Health and Disease. <i>Trends in Cell Biology</i> , 2021, 31, 598-612.	3.6	69
11	Uniting the divergent Wolfram syndrome-linked proteins WFS1 and CISD2 as modulators of Ca ²⁺ signaling. <i>Science Signaling</i> , 2021, 14, eabc6165.	1.6	15
12	Bcl-2-Protein Family as Modulators of IP ₃ Receptors and Other Organellar Ca ²⁺ Channels. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a035089.	2.3	50
13	Transmembrane BAX Inhibitor-1 Motif Containing Protein 5 (TMBIM5) Sustains Mitochondrial Structure, Shape, and Function by Impacting the Mitochondrial Protein Synthesis Machinery. <i>Cells</i> , 2020, 9, 2147.	1.8	14
14	Necroptosis in Immuno-Oncology and Cancer Immunotherapy. <i>Cells</i> , 2020, 9, 1823.	1.8	109
15	EPIC3, a novel Ca ²⁺ indicator located at the cell cortex and in microridges, detects high Ca ²⁺ subdomains during Ca ²⁺ influx and phagocytosis. <i>Cell Calcium</i> , 2020, 92, 102291.	1.1	3
16	STIM1 Deficiency Leads to Specific Down-Regulation of ITPR3 in SH-SY5Y Cells. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6598.	1.8	8
17	Type 3 IP3 receptors: The chameleon in cancer. <i>International Review of Cell and Molecular Biology</i> , 2020, 351, 101-148.	1.6	22
18	New Insights in the IP3 Receptor and Its Regulation. <i>Advances in Experimental Medicine and Biology</i> , 2020, 1131, 243-270.	0.8	54

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19	Synthesis and Characterization of Store-Operated Calcium Entry Inhibitors Active in the Submicromolar Range. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9777.	1.8	2
20	Constitutive IP3 signaling underlies the sensitivity of B-cell cancers to the Bcl-2/IP3 receptor disruptor BIRD-2. <i>Cell Death and Differentiation</i> , 2019, 26, 531-547.	5.0	69
21	L-asparaginase-induced apoptosis in ALL cells involves IP3 receptor signaling. <i>Cell Calcium</i> , 2019, 83, 102076.	1.1	3
22	Bcl-2 and IP3 compete for the ligand-binding domain of IP3Rs modulating Ca ²⁺ signaling output. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3843-3859.	2.4	31
23	The emerging interrelation between ROCO and related kinases, intracellular Ca ²⁺ signaling, and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019, 1866, 1054-1067.	1.9	3
24	The mycotoxin phomoxanthone A disturbs the form and function of the inner mitochondrial membrane. <i>Cell Death and Disease</i> , 2018, 9, 286.	2.7	27
25	Emerging molecular mechanisms in chemotherapy: Ca ²⁺ signaling at the mitochondria-associated endoplasmic reticulum membranes. <i>Cell Death and Disease</i> , 2018, 9, 334.	2.7	104
26	A critical appraisal of the role of intracellular Ca ²⁺ -signaling pathways in Kawasaki disease. <i>Cell Calcium</i> , 2018, 71, 95-103.	1.1	8
27	A double point mutation at residues Ile14 and Val15 of Bcl-2 uncovers a role for the BH4 domain in both protein stability and function. <i>FEBS Journal</i> , 2018, 285, 127-145.	2.2	16
28	Bcl-2 inhibitors as anti-cancer therapeutics: The impact of and on calcium signaling. <i>Cell Calcium</i> , 2018, 70, 102-116.	1.1	35
29	The regulation of autophagy by calcium signals: Do we have a consensus?. <i>Cell Calcium</i> , 2018, 70, 32-46.	1.1	189
30	Ca ²⁺ signaling and cell death: Focus on Ca ²⁺ -transport systems and their implication in cell death and survival. <i>Cell Calcium</i> , 2018, 69, 1-3.	1.1	7
31	Ca ²⁺ signaling and cell death: Focus on the role of Ca ²⁺ signals in the regulation of cell death & survival processes in health, disease and therapy. <i>Cell Calcium</i> , 2018, 70, 1-2.	1.1	13
32	Extracellular and ER-stored Ca ²⁺ contribute to BIRD-2-induced cell death in diffuse large B-cell lymphoma cells. <i>Cell Death Discovery</i> , 2018, 4, 101.	2.0	8
33	The ER Stress Inducer l-Azetidine-2-Carboxylic Acid Elevates the Levels of Phospho-eIF2 α and of LC3-II in a Ca ²⁺ -Dependent Manner. <i>Cells</i> , 2018, 7, 239.	1.8	21
34	Nonlinear relationship between ER Ca ²⁺ depletion versus induction of the unfolded protein response, autophagy inhibition, and cell death. <i>Cell Calcium</i> , 2018, 76, 48-61.	1.1	12
35	The multifaceted STAT3: How a transcription factor regulates Ca ²⁺ signaling via a degradative pathway. <i>Cell Calcium</i> , 2018, 76, 137-139.	1.1	3
36	Calcium signaling in health, disease and therapy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1657-1659.	1.9	20

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37	Pathophysiological consequences of isoform-specific IP3 receptor mutations. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2018, 1865, 1707-1717.	1.9	31
38	DPB162-AE, an inhibitor of store-operated Ca ²⁺ entry, can deplete the endoplasmic reticulum Ca ²⁺ store. <i>Cell Calcium</i> , 2017, 62, 60-70.	1.1	21
39	The selective Bcl-2 inhibitor venetoclax, a BH3 mimetic, does not dysregulate intracellular Ca ²⁺ signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 968-976.	1.9	33
40	Basal ryanodine receptor activity suppresses autophagic flux. <i>Biochemical Pharmacology</i> , 2017, 132, 133-142.	2.0	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. <i>Cell Calcium</i> , 2017, 62, 41-46.	1.1	11
42	Resveratrol-induced autophagy is dependent on IP3Rs and on cytosolic Ca ²⁺ . <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 947-956.	1.9	43
43	Endoplasmic Reticulum-Mitochondria Communication Through Ca ²⁺ Signaling: The Importance of Mitochondria-Associated Membranes (MAMs). <i>Advances in Experimental Medicine and Biology</i> , 2017, 997, 49-67.	0.8	107
44	Alterations in Ca ²⁺ Signalling via ER-Mitochondria Contact Site Remodelling in Cancer. <i>Advances in Experimental Medicine and Biology</i> , 2017, 997, 225-254.	0.8	35
45	<sc>PMCA</sc>4b as tumor suppressor: The <sc>C</sc>a²⁺ line as therapeutic avenue in cancer. <i>International Journal of Cancer</i> , 2017, 140, 2632-2633.	2.3	0
46	IP3 Receptor Properties and Function at Membrane Contact Sites. <i>Advances in Experimental Medicine and Biology</i> , 2017, 981, 149-178.	0.8	19
47	IP3 Receptor-Mediated Calcium Signaling and Its Role in Autophagy in Cancer. <i>Frontiers in Oncology</i> , 2017, 7, 140.	1.3	123
48	Downregulation of type 3 inositol (1,4,5)-trisphosphate receptor decreases breast cancer cell migration through an oscillatory Ca ²⁺ signal. <i>Oncotarget</i> , 2017, 8, 72324-72341.	0.8	44
49	Reciprocal sensitivity of diffuse large B-cell lymphoma cells to Bcl-2 inhibitors BIRD-2 versus venetoclax. <i>Oncotarget</i> , 2017, 8, 111656-111671.	0.8	23
50	Intracellular Ca ²⁺ signaling and Ca ²⁺ microdomains in the control of cell survival, apoptosis and autophagy. <i>Cell Calcium</i> , 2016, 60, 74-87.	1.1	215
51	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
52	ER functions of oncogenes and tumor suppressors: Modulators of intracellular Ca ²⁺ signaling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016, 1863, 1364-1378.	1.9	122
53	Bcl-2 proteins and calcium signaling: complexity beneath the surface. <i>Oncogene</i> , 2016, 35, 5079-5092.	2.6	144
54	BAX inhibitor-1 is a Ca ²⁺ channel critically important for immune cell function and survival. <i>Cell Death and Differentiation</i> , 2016, 23, 358-368.	5.0	29

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55	The trans-membrane domain of Bcl-2, but not its hydrophobic cleft, is a critical determinant for efficient IP3 receptor inhibition. <i>Oncotarget</i> , 2016, 7, 55704-55720.	0.8	34
56	Ryanodine receptors are targeted by anti-apoptotic Bcl-XL involving its BH4 domain and Lys87 from its BH3 domain. <i>Scientific Reports</i> , 2015, 5, 9641.	1.6	30
57	HA14-1 potentiates apoptosis in B-cell cancer cells sensitive to a peptide disrupting IP3 receptor / Bcl-2 complexes. <i>International Journal of Developmental Biology</i> , 2015, 59, 391-398.	0.3	21
58	The type 2 inositol 1,4,5-trisphosphate receptor, emerging functions for an intriguing Ca ²⁺ -release channel. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2015, 1853, 1992-2005.	1.9	57
59	Bcl-2 and FKBP12 bind to IP3 and ryanodine receptors at overlapping sites: the complexity of protein-protein interactions for channel regulation. <i>Biochemical Society Transactions</i> , 2015, 43, 396-404.	1.6	19
60	Potential of the store-operated calcium entry (SOCE) induces phytohemagglutinin-activated Jurkat T cell apoptosis. <i>Cell Calcium</i> , 2015, 58, 171-185.	1.1	14
61	The effect of M-phase stage-dependent kinase inhibitors on inositol 1,4,5-trisphosphate receptor 1 (IP ₃ R1) expression and localization in pig oocytes. <i>Animal Science Journal</i> , 2015, 86, 138-147.	0.6	4
62	Regulation of the ryanodine receptor by anti-apoptotic Bcl-2 is independent of its BH3-domain-binding properties. <i>Biochemical and Biophysical Research Communications</i> , 2015, 463, 174-179.	1.0	12
63	Endoplasmic reticulum Ca ²⁺ content decrease by PKA-dependent hyperphosphorylation of type 1 IP3 receptor contributes to prostate cancer cell resistance to androgen deprivation. <i>Cell Calcium</i> , 2015, 57, 312-320.	1.1	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 Ca ²⁺ Signals to Mitochondria. <i>Journal of Biological Chemistry</i> , 2015, 290, 9150-9161.	1.6	108
65	ITPRs/inositol 1,4,5-trisphosphate receptors in autophagy: From enemy to ally. <i>Autophagy</i> , 2015, 11, 1944-1948.	4.3	21
66	Effect of M-phase kinase phosphorylations on type 1 inositol 1,4,5-trisphosphate receptor-mediated Ca ²⁺ responses in mouse eggs. <i>Cell Calcium</i> , 2015, 58, 476-488.	1.1	15
67	Feedback regulation mediated by Bcl-2 and DARPP-32 regulates inositol 1,4,5-trisphosphate receptor phosphorylation and promotes cell survival. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 1186-1191.	3.3	42
68	Resveratrol is not compatible with a Fura-2-based assay for measuring intracellular Ca ²⁺ signaling. <i>Biochemical and Biophysical Research Communications</i> , 2014, 450, 1626-1630.	1.0	14
69	Measurement of Intracellular Ca ²⁺ Release in Permeabilized Cells Using ⁴⁵ Ca ²⁺ . <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot073189-pdb.prot073189.	0.2	9
70	The IP ₃ Receptor as a Hub for Bcl-2 Family Proteins in Cell Death Control and Beyond. <i>Science Signaling</i> , 2014, 7, pe4.	1.6	17
71	Measurement of Intracellular Ca ²⁺ Release in Intact and Permeabilized Cells Using ⁴⁵ Ca ²⁺ . <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.top066126-pdb.top066126.	0.2	4
72	Measurement of Intracellular Ca ²⁺ Release in Intact Cells Using ⁴⁵ Ca ²⁺ . <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.prot073197.	0.2	2

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73	Inositol 1,4,5-trisphosphate receptor-isoform diversity in cell death and survival. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2164-2183.	1.9	151
74	A dual role for the anti-apoptotic Bcl-2 protein in cancer: Mitochondria versus endoplasmic reticulum. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2014, 1843, 2240-2252.	1.9	170
75	Differential Effects of Bitter Compounds on the Taste Transduction Channels TRPM5 and IP3 Receptor Type 3. <i>Chemical Senses</i> , 2014, 39, 295-311.	1.1	29
76	Bcl-2 binds to and inhibits ryanodine receptors. <i>Journal of Cell Science</i> , 2014, 127, 2782-92.	1.2	55
77	Polycystins and cellular Ca ²⁺ signaling. <i>Cellular and Molecular Life Sciences</i> , 2013, 70, 2697-2712.	2.4	28
78	Polycystin-1 but not polycystin-2 deficiency causes upregulation of the mTOR pathway and can be synergistically targeted with rapamycin and metformin. <i>Pflugers Archiv European Journal of Physiology</i> , 2013, 466, 1591-604.	1.3	20
79	Bax Inhibitor-1-mediated Ca ²⁺ leak is decreased by cytosolic acidosis. <i>Cell Calcium</i> , 2013, 54, 186-192.	1.1	28
80	Regulation of inositol 1,4,5-trisphosphate receptors during endoplasmic reticulum stress. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1612-1624.	1.9	90
81	Curcumin affects proprotein convertase activity: Elucidation of the molecular and subcellular mechanism. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 1924-1935.	1.9	6
82	Vitrification procedure decreases inositol 1,4,5-trisphosphate receptor expression, resulting in low fertility of pig oocytes. <i>Animal Science Journal</i> , 2013, 84, 693-701.	0.6	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. <i>Cell Death and Disease</i> , 2013, 4, e632-e632.	2.7	96
84	Intracellular Ca ²⁺ signaling: A novel player in the canonical mTOR-controlled autophagy pathway. <i>Communicative and Integrative Biology</i> , 2013, 6, e25429.	0.6	14
85	HA14-1, but not the BH3 mimetic ABT-737, causes Ca ²⁺ dysregulation in platelets and human cell lines. <i>Haematologica</i> , 2013, 98, e49-e51.	1.7	17
86	mTOR-Controlled Autophagy Requires Intracellular Ca ²⁺ Signaling. <i>PLoS ONE</i> , 2013, 8, e61020.	1.1	94
87	Alpha-Helical Destabilization of the Bcl-2-BH4-Domain Peptide Abolishes Its Ability to Inhibit the IP3 Receptor. <i>PLoS ONE</i> , 2013, 8, e73386.	1.1	27
88	Abstract B42: The regulation of the ER-mitochondria-Ca ²⁺ 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.. <i>Journal of Cell Science</i> , 2012, 125, 5428-40.	1.2	11
90	Multivalent Benzene Polyphosphate Derivatives are Non-Ca ²⁺ -Mobilizing Ins(1,4,5)P ₃ Receptor Antagonists. <i>Messenger (Los Angeles, Calif: Print)</i> , 2012, 1, 167-181.	0.3	11

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91	Bax Inhibitor-1 is a novel IP3 receptor-interacting and -sensitizing protein. <i>Cell Death and Disease</i> , 2012, 3, e367-e367.	2.7	44
92	Selective regulation of IP3-receptor-mediated Ca ²⁺ signaling and apoptosis by the BH4 domain of Bcl-2 versus Bcl-XL. <i>Cell Death and Differentiation</i> , 2012, 19, 295-309.	5.0	160
93	The C Terminus of Bax Inhibitor-1 Forms a Ca ²⁺ -permeable Channel Pore. <i>Journal of Biological Chemistry</i> , 2012, 287, 2544-2557.	1.6	77
94	Role of the inositol 1,4,5-trisphosphate receptor/Ca ²⁺ -release channel in autophagy. <i>Cell Communication and Signaling</i> , 2012, 10, 17.	2.7	81
95	Guidelines for the use and interpretation of assays for monitoring autophagy. <i>Autophagy</i> , 2012, 8, 445-544.	4.3	3,122
96	Profiling of the Bcl-2/Bcl-XL-binding sites on type 1 IP3 receptor. <i>Biochemical and Biophysical Research Communications</i> , 2012, 428, 31-35.	1.0	42
97	Neuronal overexpression of IP3 receptor 2 is detrimental in mutant SOD1 mice. <i>Biochemical and Biophysical Research Communications</i> , 2012, 429, 210-213.	1.0	12
98	Inositol 1,4,5-Trisphosphate and Its Receptors. <i>Advances in Experimental Medicine and Biology</i> , 2012, 740, 255-279.	0.8	98
99	Regulation of the Autophagic Bcl-2/Beclin 1 Interaction. <i>Cells</i> , 2012, 1, 284-312.	1.8	186
100	RhoA GTPase Switch Controls Cx43-Hemichannel Activity through the Contractile System. <i>PLoS ONE</i> , 2012, 7, e42074.	1.1	24
101	IP ₃ receptor-binding partners in cell death mechanisms. <i>Environmental Sciences Europe</i> , 2012, 1, 201-210.	2.6	6
102	Polycystin-1 and polycystin-2 are both required to amplify inositol-trisphosphate-induced Ca ²⁺ release. <i>Cell Calcium</i> , 2012, 51, 452-458.	1.1	43
103	Regulation of inositol 1,4,5-trisphosphate receptor function during mouse oocyte maturation. <i>Journal of Cellular Physiology</i> , 2012, 227, 705-717.	2.0	42
104	Endoplasmic-Reticulum Calcium Depletion and Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004317-a004317.	2.3	355
105	Induction of Ca ²⁺ -driven apoptosis in chronic lymphocytic leukemia cells by peptide-mediated disruption of Bcl-2-IP3 receptor interaction. <i>Blood</i> , 2011, 117, 2924-2934.	0.6	117
106	STIM1 as a key regulator for Ca ²⁺ homeostasis in skeletal-muscle development and function. <i>Skeletal Muscle</i> , 2011, 1, 16.	1.9	65
107	The IP3 receptor-mitochondria connection in apoptosis and autophagy. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1003-1013.	1.9	155
108	A dual role for Ca ²⁺ in autophagy regulation. <i>Cell Calcium</i> , 2011, 50, 242-250.	1.1	223

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109	Alterations in calcium oscillatory activity in vitrified mouse eggs impact on egg quality and subsequent embryonic development. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 461, 515-526.	1.3	28
110	Ins(1,4,5)P ₃ receptor-mediated Ca ²⁺ signaling and autophagy induction are interrelated. <i>Autophagy</i> , 2011, 7, 1472-1489.	4.3	143
111	IP ₃ Receptors, Mitochondria, and Ca ²⁺ Signaling: Implications for Aging. <i>Journal of Aging Research</i> , 2011, 2011, 1-20.	0.4	88
112	Phosphorylation of inositol 1,4,5-trisphosphate receptor 1 during <i>in vitro</i> maturation of porcine oocytes. <i>Animal Science Journal</i> , 2010, 81, 34-41.	0.6	25
113	Intracellular Ca ²⁺ storage in health and disease: A dynamic equilibrium. <i>Cell Calcium</i> , 2010, 47, 297-314.	1.1	169
114	STIM1, but not STIM2, is required for proper agonist-induced Ca ²⁺ signaling. <i>Cell Calcium</i> , 2010, 48, 161-167.	1.1	15
115	Inositol 1,4,5-trisphosphate receptor 1 degradation in mouse eggs and impact on [Ca ²⁺] _i oscillations. <i>Journal of Cellular Physiology</i> , 2010, 222, 238-247.	2.0	29
116	Polycystin-2 Activation by Inositol 1,4,5-Trisphosphate-induced Ca ²⁺ Release Requires Its Direct Association with the Inositol 1,4,5-Trisphosphate Receptor in a Signaling Microdomain. <i>Journal of Biological Chemistry</i> , 2010, 285, 18794-18805.	1.6	101
117	Unraveling the role of polycystin-2/inositol 1,4,5-trisphosphate receptor interaction in Ca ²⁺ signaling. <i>Communicative and Integrative Biology</i> , 2010, 3, 530-532.	0.6	9
118	Inositol 1,4,5-trisphosphate-induced Ca ²⁺ signalling is involved in estradiol-induced breast cancer epithelial cell growth. <i>Molecular Cancer</i> , 2010, 9, 156.	7.9	74
119	Human Golgi Antiapoptotic Protein Modulates Intracellular Calcium Fluxes. <i>Molecular Biology of the Cell</i> , 2009, 20, 3638-3645.	0.9	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. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 14397-14402.	3.3	258
121	Regulation of inositol 1,4,5-trisphosphate-induced Ca ²⁺ release by reversible phosphorylation and dephosphorylation. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2009, 1793, 959-970.	1.9	160
122	Regulation of inositol 1,4,5-trisphosphate receptor type 1 function during oocyte maturation by MPM-2 phosphorylation. <i>Cell Calcium</i> , 2009, 46, 56-64.	1.1	35
123	The complex regulatory function of the ligand-binding domain of the inositol 1,4,5-trisphosphate receptor. <i>Cell Calcium</i> , 2008, 43, 17-27.	1.1	30
124	Caspase-3-truncated type 1 inositol 1,4,5-trisphosphate receptor enhances intracellular Ca ²⁺ leak and disturbs Ca ²⁺ signalling. <i>Biology of the Cell</i> , 2008, 100, 39-49.	0.7	45
125	Targeting Bcl-2-IP3 Receptor Interaction to Reverse Bcl-2's Inhibition of Apoptotic Calcium Signals. <i>Molecular Cell</i> , 2008, 31, 255-265.	4.5	225
126	Inositol 1,4,5-trisphosphate receptor 1, a widespread Ca ²⁺ channel, is a novel substrate of polo-like kinase 1 in eggs. <i>Developmental Biology</i> , 2008, 320, 402-413.	0.9	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.	3.3	238
128	Biphenyl 2,3,4,5,6-pentakisphosphate, a novel inositol polyphosphate surrogate, modulates Ca ²⁺ responses in rat hepatocytes. FASEB Journal, 2007, 21, 1481-1491.	0.2	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.	1.7	51
130	Uncoupled IP ₃ receptor can function as a Ca ²⁺ -leak channel: cell biological and pathological consequences. Biology of the Cell, 2006, 98, 1-14.	0.7	53
131	Binding of IRBIT to the IP ₃ receptor: Determinants and functional effects. Biochemical and Biophysical Research Communications, 2006, 343, 49-56.	1.0	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.	1.1	22
133	Up-regulation of inositol 1,4,5-trisphosphate receptor type 1 is responsible for a decreased endoplasmic-reticulum Ca ²⁺ content in presenilin double knock-out cells. Cell Calcium, 2006, 40, 41-51.	1.1	79
134	Phosphorylation of IP ₃ R1 and the regulation of [Ca ²⁺] _i responses at fertilization: a role for the MAP kinase pathway. Development (Cambridge), 2006, 133, 4355-4365.	1.2	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.	1.6	31
136	Fertilization and Inositol 1,4,5-Trisphosphate (IP ₃)-Induced Calcium Release in Type-1 Inositol 1,4,5-Trisphosphate Receptor Down-Regulated Bovine Eggs. Biology of Reproduction, 2005, 73, 2-13.	1.2	56
137	Suramin and Disulfonated Stilbene Derivatives Stimulate the Ca ²⁺ -Induced Ca ²⁺ -Release Mechanism in A7r5 Cells. Molecular Pharmacology, 2005, 68, 241-250.	1.0	13
138	The 12 kDa FK506-binding protein, FKBP12, modulates the Ca ²⁺ -flux properties of the type-3 ryanodine receptor. Journal of Cell Science, 2004, 117, 1129-1137.	1.2	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.	1.6	121
140	The N-terminal Ca ²⁺ -Independent Calmodulin-Binding Site on the Inositol 1,4,5-trisphosphate Receptor Is Responsible for Calmodulin Inhibition, Even Though This Inhibition Requires Ca ²⁺ . Molecular Pharmacology, 2004, 66, 276-284.	1.0	33
141	Two Types of Store-operated Ca ²⁺ Channels with Different Activation Modes and Molecular Origin in LNCaP Human Prostate Cancer Epithelial Cells. Journal of Biological Chemistry, 2004, 279, 30326-30337.	1.6	92
142	Regulation of InsP ₃ receptor activity by neuronal Ca ²⁺ -binding proteins. EMBO Journal, 2004, 23, 312-321.	3.5	149
143	The Ca ²⁺ /Mn ²⁺ pumps in the Golgi apparatus. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 103-112.	1.9	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.	0.7	155

#	ARTICLE	IF	CITATIONS
145	Regulation of the phosphorylation of the inositol 1,4,5-trisphosphate receptor by protein kinase C. <i>Biochemical and Biophysical Research Communications</i> , 2004, 319, 888-893.	1.0	37
146	SPCA1 pumps and Hailey's Hailey disease. <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 1204-1213.	1.0	92
147	Cell cycle-coupled [Ca ²⁺] _i oscillations in mouse zygotes and function of the inositol 1,4,5-trisphosphate receptor-1. <i>Developmental Biology</i> , 2004, 274, 94-109.	0.9	53
148	Long-lasting changes in GABA responsiveness in cultured neurons. <i>Neuroscience Letters</i> , 2004, 365, 69-72.	1.0	7
149	Thimerosal stimulates Ca ²⁺ flux through inositol 1,4,5-trisphosphate receptor type 1, but not type 3, via modulation of an isoform-specific Ca ²⁺ -dependent intramolecular interaction. <i>Biochemical Journal</i> , 2004, 381, 87-96.	1.7	107
150	Calmodulin and Calcium-release Channels. <i>Biological Research</i> , 2004, 37, 577-82.	1.5	7
151	Calcineurin and intracellular Ca ²⁺ -release channels: regulation or association?. <i>Biochemical and Biophysical Research Communications</i> , 2003, 311, 1181-1193.	1.0	61
152	The contribution of the SPCA1 Ca ²⁺ pump to the Ca ²⁺ accumulation in the Golgi apparatus of HeLa cells assessed via RNA-mediated interference. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 430-436.	1.0	89
153	A Novel Ca ²⁺ -induced Ca ²⁺ Release Mechanism in A7r5 Cells Regulated by Calmodulin-like Proteins. <i>Journal of Biological Chemistry</i> , 2003, 278, 27548-27555.	1.6	18
154	Microtubule-dependent redistribution of the type-1 inositol 1,4,5-trisphosphate receptor in A7r5 smooth muscle cells. <i>Journal of Cell Science</i> , 2003, 116, 1269-1277.	1.2	38
155	Inhibition of the Inositol Trisphosphate Receptor of Mouse Eggs and A7r5 Cells by KN-93 via a Mechanism Unrelated to Ca ²⁺ /Calmodulin-dependent Protein Kinase II Antagonism. <i>Journal of Biological Chemistry</i> , 2002, 277, 35061-35070.	1.6	31
156	Modification of Store-operated Channel Coupling and Inositol Trisphosphate Receptor Function by 2-Aminoethoxydiphenyl Borate in DT40 Lymphocytes. <i>Journal of Biological Chemistry</i> , 2002, 277, 6915-6922.	1.6	158
157	Ca ²⁺ Uptake and Release Properties of a Thapsigargin-insensitive Nonmitochondrial Ca ²⁺ Store in A7r5 and 16HBE14o ⁺ Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 6898-6902.	1.6	42
158	Localization and function of a calmodulin- α -apocalmodulin-binding domain in the N-terminal part of the type 1 inositol 1,4,5-trisphosphate receptor. <i>Biochemical Journal</i> , 2002, 365, 269-277.	1.7	72
159	Ca ²⁺ signals in Pmr1-GFP-expressing COS-1 cells with functional endoplasmic reticulum. <i>Biochemical and Biophysical Research Communications</i> , 2002, 294, 249-253.	1.0	19
160	Washing out of lipophilic compounds induces a transient increase in the passive Ca ²⁺ leak in permeabilized A7r5 cells. <i>Cell Calcium</i> , 2002, 31, 229-233.	1.1	8
161	The role of calmodulin for inositol 1,4,5-trisphosphate receptor function. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2002, 1600, 19-31.	1.1	51
162	Characterization and mapping of the 12kDa FK506-binding protein (FKBP12)-binding site on different isoforms of the ryanodine receptor and of the inositol 1,4,5-trisphosphate receptor. <i>Biochemical Journal</i> , 2001, 354, 413.	1.7	60

#	ARTICLE	IF	CITATIONS
163	Characterization and mapping of the 121%kDa FK506-binding protein (FKBP12)-binding site on different isoforms of the ryanodine receptor and of the inositol 1,4,5-trisphosphate receptor. <i>Biochemical Journal</i> , 2001, 354, 413-422.	1.7	83
164	Modulation of inositol 1,4,5-trisphosphate binding to the various inositol 1,4,5-trisphosphate receptor isoforms by thimerosal and cyclic ADP-ribose. <i>Biochemical Pharmacology</i> , 2001, 61, 803-809.	2.0	27
165	The Conserved Sites for the FK506-binding Proteins in Ryanodine Receptors and Inositol 1,4,5-Trisphosphate Receptors Are Structurally and Functionally Different. <i>Journal of Biological Chemistry</i> , 2001, 276, 47715-47724.	1.6	65
166	Expression of Ca ²⁺ Transport Genes in Platelets and Endothelial Cells in Hypertension. <i>Hypertension</i> , 2001, 37, 135-141.	1.3	31
167	Mapping of the ATP-binding Sites on Inositol 1,4,5-Trisphosphate Receptor Type 1 and Type 3 Homotetramers by Controlled Proteolysis and Photoaffinity Labeling. <i>Journal of Biological Chemistry</i> , 2001, 276, 3492-3497.	1.6	46
168	Functional specialization of calreticulin domains. <i>Journal of Cell Biology</i> , 2001, 154, 961-972.	2.3	265
169	Electromechanical and Pharmacomechanical Coupling in Vascular Smooth Muscle Cells. , 2001, , 501-517.		1
170	Baseline Cytosolic Ca ²⁺ Oscillations Derived from a Non-endoplasmic Reticulum Ca ²⁺ -Store. <i>Journal of Biological Chemistry</i> , 2001, 276, 39161-39170.	1.6	51
171	Calcium puffs are generic InsP ₃ -activated elementary calcium signals and are downregulated by prolonged hormonal stimulation to inhibit cellular calcium responses. <i>Journal of Cell Science</i> , 2001, 114, 3979-3989.	1.2	107
172	Ca ²⁺ and calmodulin differentially modulate myo-inositol 1,4,5-trisphosphate (IP ₃)-binding to the recombinant ligand-binding domains of the various IP ₃ receptor isoforms. <i>Biochemical Journal</i> , 2000, 346, 275.	1.7	16
173	Ca ²⁺ and calmodulin differentially modulate myo-inositol 1,4,5-trisphosphate (IP ₃)-binding to the recombinant ligand-binding domains of the various IP ₃ receptor isoforms. <i>Biochemical Journal</i> , 2000, 346, 275-280.	1.7	46
174	Basic properties of an inositol 1,4,5-trisphosphate-gated channel in carp olfactory cilia. <i>European Journal of Neuroscience</i> , 2000, 12, 2805-2811.	1.2	13
175	Effects of the immunosuppressant FK506 on intracellular Ca ²⁺ release and Ca ²⁺ accumulation mechanisms. <i>Journal of Physiology</i> , 2000, 525, 681-693.	1.3	70
176	Down-regulation of the Inositol 1,4,5-Trisphosphate Receptor in Mouse Eggs Following Fertilization or Parthenogenetic Activation. <i>Developmental Biology</i> , 2000, 223, 238-250.	0.9	158
177	Regulation of Inositol 1,4,5-Trisphosphate-Induced Ca ²⁺ Release by Ca ²⁺ . , 2000, , 179-190.		6
178	Calmodulin Increases the Sensitivity of Type 3 Inositol-1,4,5-trisphosphate Receptors to Ca ²⁺ Inhibition in Human Bronchial Mucosal Cells. <i>Molecular Pharmacology</i> , 2000, 57, 564-567.	1.0	30
179	Isoforms of the Inositol 1,4,5-Trisphosphate Receptor Are Expressed in Bovine Oocytes and Ovaries: The Type-1 Isoform Is Down-Regulated by Fertilization and by Injection of Adenophostin A1. <i>Biology of Reproduction</i> , 1999, 61, 935-943.	1.2	41
180	Modulation of Inositol 1,4,5-Trisphosphate Binding to the Recombinant Ligand-binding Site of the Type-1 Inositol 1,4,5-Trisphosphate Receptor by Ca ²⁺ and Calmodulin. <i>Journal of Biological Chemistry</i> , 1999, 274, 12157-12162.	1.6	63

#	ARTICLE	IF	CITATIONS
181	Differential Distribution of Inositol Trisphosphate Receptor Isoforms in Mouse Oocytes1. <i>Biology of Reproduction</i> , 1999, 60, 49-57.	1.2	101
182	The Bell-shaped Ca ²⁺ Dependence of the Inositol 1,4,5-Trisphosphate-induced Ca ²⁺ Release Is Modulated by Ca ²⁺ /Calmodulin. <i>Journal of Biological Chemistry</i> , 1999, 274, 13748-13751.	1.6	81
183	The relative order of IP ₃ sensitivity of types 1 and 3 IP ₃ receptors is pH dependent. <i>Pflugers Archiv European Journal of Physiology</i> , 1999, 438, 154-158.	1.3	14
184	Adenine-nucleotide binding sites on the inositol 1,4,5-trisphosphate receptor bind caffeine, but not adenosine A or cyclic ADP-ribose. <i>Cell Calcium</i> , 1999, 25, 143-152.	1.1	42
185	Tissue-Specific Expression and Endogenous Subcellular Distribution of the Inositol 1,3,4,5-Tetrakisphosphate-Binding Proteins GAP1IP4BP and GAP1m. <i>Biochemical and Biophysical Research Communications</i> , 1999, 255, 421-426.	1.0	14
186	Cytosolic Ca ²⁺ Controls the Loading Dependence of IP ₃ -Induced Ca ²⁺ Release. <i>Biochemical and Biophysical Research Communications</i> , 1999, 264, 967-971.	1.0	5
187	Agonist-induced down-regulation of type 1 and type 3 inositol 1,4,5-tris-phosphate receptors in A7r5 and DDT1 MF-2 smooth muscle cells. <i>Cell Calcium</i> , 1998, 23, 11-21.	1.1	56
188	Functional Properties of the Type-3 InsP ₃ Receptor in 16HBE14oâ” Bronchial Mucosal Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 8983-8986.	1.6	81
189	Regulation of Ca ²⁺ -Release Channels by Luminal Ca ²⁺ . , 1998, , 131-161.		2
190	Isoprenylated Human Brain Type I Inositol 1,4,5-Trisphosphate 5-Phosphatase Controls Ca ²⁺ Oscillations Induced by ATP in Chinese Hamster Ovary Cells. <i>Journal of Biological Chemistry</i> , 1997, 272, 17367-17375.	1.6	63
191	Molecular and Functional Evidence for Multiple Ca ²⁺ -binding Domains in the Type 1 Inositol 1,4,5-Trisphosphate Receptor. <i>Journal of Biological Chemistry</i> , 1997, 272, 25899-25906.	1.6	132
192	Calcium, Calcium Release Receptors, and Meiotic Resumption in Bovine Oocytes1. <i>Biology of Reproduction</i> , 1997, 57, 1245-1255.	1.2	94
193	Isoform diversity of the inositol trisphosphate receptor in cell types of mouse origin. <i>Biochemical Journal</i> , 1997, 322, 575-583.	1.7	132
194	Slow kinetics of inositol 1,4,5-trisphosphate-induced Ca ²⁺ release: is the release â”quantalâ” or â”non-quantalâ”? <i>Biochemical Journal</i> , 1997, 323, 123-130.	1.7	11
195	Effect of adenine nucleotides on myo-inositol-1,4,5-trisphosphate-induced calcium release. <i>Biochemical Journal</i> , 1997, 325, 661-666.	1.7	32
196	Effect of a Cytosolic Ca ²⁺ Concentration Ramp on InsP ₃ -Induced Ca ²⁺ Release in A7r5 Smooth-Muscle Cells and in EBTr Cells from Tracheal Mucosa. <i>Biochemical and Biophysical Research Communications</i> , 1997, 237, 354-358.	1.0	3
197	Synergism between hypotonically induced calcium release and fatty acyl-CoA esters induced calcium release from intracellular stores. <i>Cell Calcium</i> , 1997, 22, 151-156.	1.1	3
198	Distribution of inositol 1,4,5-trisphosphate receptor isoforms, SERCA isoforms and Ca ²⁺ binding proteins in RBLm2H3 rat basophilic leukemia cells. <i>Cell Calcium</i> , 1997, 22, 475-486.	1.1	52

#	ARTICLE	IF	CITATIONS
199	Characterization of a Cytosolic and a Luminal Ca ²⁺ Binding Site in the Type I Inositol 1,4,5-Trisphosphate Receptor. <i>Journal of Biological Chemistry</i> , 1996, 271, 27005-27012.	1.6	117
200	Kinetics of the non-specific calcium leak from non-mitochondrial calcium stores in permeabilized A7r5 cells. <i>Biochemical Journal</i> , 1996, 317, 849-853.	1.7	22
201	Mechanisms responsible for quantal Ca ²⁺ release from inositol trisphosphate-sensitive calcium stores. <i>Pflugers Archiv European Journal of Physiology</i> , 1996, 432, 359-367.	1.3	47
202	Threshold for Inositol 1,4,5-Trisphosphate Action. <i>Journal of Biological Chemistry</i> , 1996, 271, 12287-12293.	1.6	43
203	Hypotonically Induced Calcium Release from Intracellular Calcium Stores. <i>Journal of Biological Chemistry</i> , 1996, 271, 4601-4604.	1.6	29
204	Expression and Function of Ryanodine Receptors in Nonexcitable Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 6356-6362.	1.6	149
205	Control of the Ca ²⁺ Release Induced by myo-Inositol Trisphosphate and the Implication in Signal Transduction. <i>Sub-Cellular Biochemistry</i> , 1996, 26, 59-95.	1.0	13
206	Vasopressin responses in electrically coupled A7r5 cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 428, 283-287.	1.3	7
207	Partial calcium release in response to submaximal inositol 1,4,5-trisphosphate receptor activation. <i>Molecular and Cellular Endocrinology</i> , 1994, 98, 147-156.	1.6	31
208	Presence of Inositol 1,4,5-Trisphosphate Receptor, Calreticulin, and Calsequestrin in Eggs of Sea Urchins and <i>Xenopus laevis</i> . <i>Developmental Biology</i> , 1994, 161, 466-476.	0.9	74
209	Bell-shaped activation of inositol-1,4,5-trisphosphate-induced Ca ²⁺ release by thimerosal in permeabilized A7r5 smooth-muscle cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1993, 424, 516-522.	1.3	61
210	Normal Ca ²⁺ signalling in glutathione-depleted and dithiothreitol-treated HeLa cells. <i>Pflugers Archiv European Journal of Physiology</i> , 1993, 423, 480-484.	1.3	9
211	Regulation of the Na ⁺ -dependent and the Na ⁺ -independent polyamine transporters in renal epithelial cells (LLC-PK1). <i>Journal of Cellular Physiology</i> , 1990, 144, 365-375.	2.0	17
212	Calcium transport systems in the LLC-PK1 renal epithelial established cell line. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1986, 888, 70-81.	1.9	27
213	Calcium-induced phosphorylations and [¹²⁵ I]calmodulin binding in renal membrane preparations. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1984, 776, 122-132.	1.4	11
214	Phosphorylated intermediates of (Ca ²⁺ + Mg ²⁺)-ATPase and alkaline phosphatase in renal plasma membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1983, 728, 409-418.	1.4	29