Jan B Parys

List of Publications by Year
in descending order

214 papers	19,629 citations	17440 63 h-index	11937 134 g-index
217 all docs	217 docs citations	217 times ranked	28340 citing authors

#	Article	IF	Citations
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). Autophagy, 2016, 12, 1-222.	9.1	4,701
2	Guidelines for the use and interpretation of assays for monitoring autophagy. Autophagy, 2012, 8, 445-544.	9.1	3,122
3	Endoplasmic-Reticulum Calcium Depletion and Disease. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004317-a004317.	5.5	355
4	Functional specialization of calreticulin domains. Journal of Cell Biology, 2001, 154, 961-972.	5.2	265
5	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
6	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
7	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
8	A dual role for Ca2+ in autophagy regulation. Cell Calcium, 2011, 50, 242-250.	2.4	223
9	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
10	The regulation of autophagy by calcium signals: Do we have a consensus?. Cell Calcium, 2018, 70, 32-46.	2.4	189
11	Regulation of the Autophagic Bcl-2/Beclin 1 Interaction. Cells, 2012, 1, 284-312.	4.1	186
12	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
13	Intracellular Ca2+ storage in health and disease: A dynamic equilibrium. Cell Calcium, 2010, 47, 297-314.	2.4	169
14	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
15	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
16	Down-regulation of the Inositol 1,4,5-Trisphosphate Receptor in Mouse Eggs Following Fertilization or Parthenogenetic Activation. Developmental Biology, 2000, 223, 238-250.	2.0	158
17	Modification of Store-operated Channel Coupling and Inositol Trisphosphate Receptor Function by 2-Aminoethoxydiphenyl Borate in DT40 Lymphocytes. Journal of Biological Chemistry, 2002, 277, 6915-6922.	3.4	158
18	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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19	The IP3 receptorâ€“mitochondria connection in apoptosis and autophagy. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1003-1013.	4.1	155
20	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
21	Expression and Function of Ryanodine Receptors in Nonexcitable Cells. Journal of Biological Chemistry, 1996, 271, 6356-6362.	3.4	149
22	Regulation of InsP3 receptor activity by neuronal Ca2+-binding proteins. EMBO Journal, 2004, 23, 312-321.	7.8	149
23	Bcl-2 proteins and calcium signaling: complexity beneath the surface. Oncogene, 2016, 35, 5079-5092.	5.9	144
24	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
25	Molecular and Functional Evidence for Multiple Ca2+-binding Domains in the Type 1 Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 1997, 272, 25899-25906.	3.4	132
26	Isoform diversity of the inositol trisphosphate receptor in cell types of mouse origin. Biochemical Journal, 1997, 322, 575-583.	3.7	132
27	The Ca2+/Mn2+ pumps in the Golgi apparatus. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 103-112.	4.1	123
28	IP3 Receptor-Mediated Calcium Signaling and Its Role in Autophagy in Cancer. Frontiers in Oncology, 2017, 7, 140.	2.8	123
29	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
30	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
31	Characterization of a Cytosolic and a Luminal Ca2+ Binding Site in the Type I Inositol 1,4,5-Trisphosphate Receptor. Journal of Biological Chemistry, 1996, 271, 27005-27012.	3.4	117
32	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
33	Necroptosis in Immuno-Oncology and Cancer Immunotherapy. Cells, 2020, 9, 1823.	4.1	109
34	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
35	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
36	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

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37	Calcium puffs are generic InsP3-activated elementary calcium signals and are downregulated by prolonged hormonal stimulation to inhibit cellular calcium responses. Journal of Cell Science, 2001, 114, 3979-3989.	2.0	107
38	Emerging molecular mechanisms in chemotherapy: Ca2+ signaling at the mitochondria-associated endoplasmic reticulum membranes. Cell Death and Disease, 2018, 9, 334.	6.3	104
39	Differential Distribution of Inositol Trisphosphate Receptor Isoforms in Mouse Oocytes1. Biology of Reproduction, 1999, 60, 49-57.	2.7	101
40	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
41	Inositol 1,4,5-Trisphosphate and Its Receptors. Advances in Experimental Medicine and Biology, 2012, 740, 255-279.	1.6	98
42	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
43	Calcium, Calcium Release Receptors, and Meiotic Resumption in Bovine Oocytes1. Biology of Reproduction, 1997, 57, 1245-1255.	2.7	94
44	mTOR-Controlled Autophagy Requires Intracellular Ca2+ Signaling. PLoS ONE, 2013, 8, e61020.	2.5	94
45	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
46	SPCA1 pumps and Haileyâ€“Hailey disease. Biochemical and Biophysical Research Communications, 2004, 322, 1204-1213.	2.1	92
47	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
48	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
49	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
50	IP₃Receptors, Mitochondria, and Ca²⁺Signaling: Implications for Aging. Journal of Aging Research, 2011, 2011, 1-20.	0.9	88
51	Characterization and mapping of the 12î‰‘kDa FK506-binding protein (FKBP12)-binding site on different isoforms of the ryanodine receptor and of the inositol 1,4,5-trisphosphate receptor. Biochemical Journal, 2001, 354, 413-422.	3.7	83
52	Functional Properties of the Type-3 InsP3 Receptor in 16HBE14oâˆ’ Bronchial Mucosal Cells. Journal of Biological Chemistry, 1998, 273, 8983-8986.	3.4	81
53	The Bell-shaped Ca2+ Dependence of the Inositol 1,4,5-Trisphosphate-induced Ca2+ Release Is Modulated by Ca2+/Calmodulin. Journal of Biological Chemistry, 1999, 274, 13748-13751.	3.4	81
54	Role of the inositol 1,4,5-trisphosphate receptor/Ca2+-release channel in autophagy. Cell Communication and Signaling, 2012, 10, 17.	6.5	81

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55	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
56	The C Terminus of Bax Inhibitor-1 Forms a Ca2+-permeable Channel Pore. Journal of Biological Chemistry, 2012, 287, 2544-2557.	3.4	77
57	Presence of Inositol 1,4,5-Trisphosphate Receptor, Calreticulin, and Calsequestrin in Eggs of Sea Urchins and Xenopus laevis. Developmental Biology, 1994, 161, 466-476.	2.0	74
58	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
59	Localization and function of a calmodulinâ€"apocalmodulin-binding domain in the N-terminal part of the type 1 inositol 1,4,5-trisphosphate receptor. Biochemical Journal, 2002, 365, 269-277.	3.7	72
60	Effects of the immunosuppressant FK506 on intracellular Ca 2+ release and Ca 2+ accumulation mechanisms. Journal of Physiology, 2000, 525, 681-693.	2.9	70
61	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
62	Balancing ER-Mitochondrial Ca2+ Fluxes in Health and Disease. Trends in Cell Biology, 2021, 31, 598-612.	7.9	69
63	The Conserved Sites for the FK506-binding Proteins in Ryanodine Receptors and Inositol 1,4,5-Trisphosphate Receptors Are Structurally and Functionally Different. Journal of Biological Chemistry, 2001, 276, 47715-47724.	3.4	65
64	STIM1 as a key regulator for Ca2+ homeostasis in skeletal-muscle development and function. Skeletal Muscle, 2011, 1, 16.	4.2	65
65	Isoprenylated Human Brain Type I Inositol 1,4,5-Trisphosphate 5-Phosphatase Controls Ca2+ Oscillations Induced by ATP in Chinese Hamster Ovary Cells. Journal of Biological Chemistry, 1997, 272, 17367-17375.	3.4	63
66	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 Ca2+ and Calmodulin. Journal of Biological Chemistry, 1999, 274, 12157-12162.	3.4	63
67	Bell-shaped activation of inositol-1,4,5-trisphosphate-induced Ca2+ release by thimerosal in permeabilized A7r5 smooth-muscle cells. Pflugers Archiv European Journal of Physiology, 1993, 424, 516-522.	2.8	61
68	Calcineurin and intracellular Ca2+-release channels: regulation or association?. Biochemical and Biophysical Research Communications, 2003, 311, 1181-1193.	2.1	61
69	Characterization and mapping of the 12ÂkDa FK506-binding protein (FKBP12)-binding site on different isoforms of the ryanodine receptor and of the inositol 1,4,5-trisphosphate receptor. Biochemical Journal, 2001, 354, 413.	3.7	60
70	Human Golgi Antiapoptotic Protein Modulates Intracellular Calcium Fluxes. Molecular Biology of the Cell, 2009, 20, 3638-3645.	2.1	60
71	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
72	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. Cell Calcium, 1998, 23, 11-21.	2.4	56

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73	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
74	Bcl-2 binds to and inhibits ryanodine receptors. Journal of Cell Science, 2014, 127, 2782-92.	2.0	55
75	New Insights in the IP3 Receptor and Its Regulation. Advances in Experimental Medicine and Biology, 2020, 1131, 243-270.	1.6	54
76	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
77	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
78	Distribution of inositol 1,4,5-trisphosphate receptor isoforms, SERCA isoforms and Ca2+ binding proteins in RBLm2H3 rat basophilic leukemia cells. Cell Calcium, 1997, 22, 475-486.	2.4	52
79	Baseline Cytosolic Ca2+ Oscillations Derived from a Non-endoplasmic Reticulum Ca2+Store. Journal of Biological Chemistry, 2001, 276, 39161-39170.	3.4	51
80	The role of calmodulin for inositol 1,4,5-trisphosphate receptor function. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2002, 1600, 19-31.	2.3	51
81	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
82	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
83	Mechanisms responsible for quantal Ca2+ release from inositol trisphosphate-sensitive calcium stores. Pflugers Archiv European Journal of Physiology, 1996, 432, 359-367.	2.8	47
84	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
85	Ca2+ and calmodulin differentially modulate myo-inositol 1,4,5-trisphosphate (IP3)-binding to the recombinant ligand-binding domains of the various IP3 receptor isoforms. Biochemical Journal, 2000, 346, 275-280.	3.7	46
86	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. Journal of Biological Chemistry, 2001, 276, 3492-3497.	3.4	46
87	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
88	Bax Inhibitor-1 is a novel IP3 receptor-interacting and -sensitizing protein. Cell Death and Disease, 2012, 3, e367-e367.	6.3	44
89	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
90	Threshold for Inositol 1,4,5-Trisphosphate Action. Journal of Biological Chemistry, 1996, 271, 12287-12293.	3.4	43

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91	Polycystin-1 and polycystin-2 are both required to amplify inositol-trisphosphate-induced Ca2+ release. Cell Calcium, 2012, 51, 452-458.	2.4	43
92	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
93	Adenine-nucleotide binding sites on the inositol 1,4,5-trisphosphate receptor bind caffeine, but not adenophostin A or cyclic ADP-ribose. Cell Calcium, 1999, 25, 143-152.	2.4	42
94	Ca2+ Uptake and Release Properties of a Thapsigargin-insensitive Nonmitochondrial Ca2+ Store in A7r5 and 16HBE14oâˆ' Cells. Journal of Biological Chemistry, 2002, 277, 6898-6902.	3.4	42
95	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
96	Regulation of inositol 1,4,5â€trisphosphate receptor function during mouse oocyte maturation. Journal of Cellular Physiology, 2012, 227, 705-717.	4.1	42
97	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
98	Isoforms of the Inositol 1,4,5-Trisphosphate Receptor Are Expressed in Bovine Oocytes and Ovaries: The Type-1 Isoform Is Down-Regulated by Fertilizationand by Injection of Adenophostin A1. Biology of Reproduction, 1999, 61, 935-943.	2.7	41
99	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
100	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
101	Binding of IRBIT to the IP3 receptor: Determinants and functional effects. Biochemical and Biophysical Research Communications, 2006, 343, 49-56.	2.1	38
102	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
103	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
104	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
105	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
106	Bcl-2 inhibitors as anti-cancer therapeutics: The impact of and on calcium signaling. Cell Calcium, 2018, 70, 102-116.	2.4	35
107	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
108	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

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109	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
110	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
111	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
112	Effect of adenine nucleotides on myo-inositol-1,4,5-trisphosphate-induced calcium release. Biochemical Journal, 1997, 325, 661-666.	3.7	32
113	Partial calcium release in response to submaximal inositol 1,4,5-trisphosphate receptor activation. Molecular and Cellular Endocrinology, 1994, 98, 147-156.	3.2	31
114	Expression of Ca ²⁺ Transport Genes in Platelets and Endothelial Cells in Hypertension. Hypertension, 2001, 37, 135-141.	2.7	31
115	Inhibition of the Inositol Trisphosphate Receptor of Mouse Eggs and A7r5 Cells by KN-93 via a Mechanism Unrelated to Ca2+/Calmodulin-dependent Protein Kinase II Antagonism. Journal of Biological Chemistry, 2002, 277, 35061-35070.	3.4	31
116	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
117	Basal ryanodine receptor activity suppresses autophagic flux. Biochemical Pharmacology, 2017, 132, 133-142.	4.4	31
118	Pathophysiological consequences of isoform-specific IP3 receptor mutations. Biochimica Et Biophysica Acta - Molecular Cell Research, 2018, 1865, 1707-1717.	4.1	31
119	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
120	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
121	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
122	Calmodulin Increases the Sensitivity of Type 3 Inositol-1,4,5-trisphosphate Receptors to Ca2+ Inhibition in Human Bronchial Mucosal Cells. Molecular Pharmacology, 2000, 57, 564-567.	2.3	30
123	Phosphorylated intermediates of (Ca2+ + Mg2+)-ATPase and alkaline phosphatase in renal plasma membranes. Biochimica Et Biophysica Acta - Biomembranes, 1983, 728, 409-418.	2.6	29
124	Hypotonically Induced Calcium Release from Intracellular Calcium Stores. Journal of Biological Chemistry, 1996, 271, 4601-4604.	3.4	29
125	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
126	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

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127	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
128	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
129	TRPC3 shapes the ER-mitochondria Ca2+ transfer characterizing tumour-promoting senescence. Nature Communications, 2022, 13, 956.	12.8	29
130	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
131	Polycystins and cellular Ca2+ signaling. Cellular and Molecular Life Sciences, 2013, 70, 2697-2712.	5.4	28
132	Bax Inhibitor-1-mediated Ca2+ leak is decreased by cytosolic acidosis. Cell Calcium, 2013, 54, 186-192.	2.4	28
133	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
134	Calcium transport systems in the LLC-PK1 renal epithelial established cell line. Biochimica Et Biophysica Acta - Molecular Cell Research, 1986, 888, 70-81.	4.1	27
135	Modulation of inositol 1,4,5-trisphosphate binding to the various inositol 1,4,5-trisphosphate receptor isoforms by thimerosal and cyclic ADP-ribose. Biochemical Pharmacology, 2001, 61, 803-809.	4.4	27
136	The mycotoxin phomoxanthone A disturbs the form and function of the inner mitochondrial membrane. Cell Death and Disease, 2018, 9, 286.	6.3	27
137	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
138	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
139	RhoA GTPase Switch Controls Cx43-Hemichannel Activity through the Contractile System. PLoS ONE, 2012, 7, e42074.	2.5	24
140	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
141	Kinetics of the non-specific calcium leak from non-mitochondrial calcium stores in permeabilized A7r5 cells. Biochemical Journal, 1996, 317, 849-853.	3.7	22
142	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
143	Type 3 IP3 receptors: The chameleon in cancer. International Review of Cell and Molecular Biology, 2020, 351, 101-148.	3.2	22
144	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

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145	ITPRs/inositol 1,4,5-trisphosphate receptors in autophagy: From enemy to ally. Autophagy, 2015, 11, 1944-1948.	9.1	21
146	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
147	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
148	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
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