

# Martin D Bootman

## List of Publications by Year in descending order

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145  
papers

25,767  
citations

17440

63  
h-index

9861

141  
g-index

151  
all docs

151  
docs citations

151  
times ranked

24193  
citing authors

#	ARTICLE	IF	CITATIONS
1	The versatility and universality of calcium signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2000, 1, 11-21.	37.0	4,933
2	Calcium signalling: dynamics, homeostasis and remodelling. <i>Nature Reviews Molecular Cell Biology</i> , 2003, 4, 517-529.	37.0	4,720
3	Calcium - a life and death signal. <i>Nature</i> , 1998, 395, 645-648.	27.8	1,951
4	Guidelines for the use and interpretation of assays for monitoring autophagy (4th) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (edition 1,430	9.1	1,430
5	2-Aminoethoxydiphenyl borate (2-APB) is a reliable blocker of store-operated $\text{Ca}^{2+}$ entry but an inconsistent inhibitor of $\text{InsP}_3$ -induced $\text{Ca}^{2+}$ release. <i>FASEB Journal</i> , 2002, 16, 1145-1150.	0.5	668
6	Mitochondria are morphologically and functionally heterogeneous within cells. <i>EMBO Journal</i> , 2002, 21, 1616-1627.	7.8	490
7	The elemental principles of calcium signaling. <i>Cell</i> , 1995, 83, 675-678.	28.9	456
8	Calcium signallingâ€”an overview. <i>Seminars in Cell and Developmental Biology</i> , 2001, 12, 3-10.	5.0	423
9	The organisation and functions of local $\text{Ca}^{2+}$ signals. <i>Journal of Cell Science</i> , 2001, 114, 2213-2222.	2.0	391
10	A comparison of fluorescent $\text{Ca}^{2+}$ -indicator properties and their use in measuring elementary and global $\text{Ca}^{2+}$ -signals. <i>Cell Calcium</i> , 2000, 28, 213-223.	2.4	371
11	Bcl-2 functionally interacts with inositol 1,4,5-trisphosphate receptors to regulate calcium release from the ER in response to inositol 1,4,5-trisphosphate. <i>Journal of Cell Biology</i> , 2004, 166, 193-203.	5.2	366
12	Cooking with Calcium: The Recipes for Composing Global Signals from Elementary Events. <i>Cell</i> , 1997, 91, 367-373.	28.9	359
13	Calcium Phosphate Crystals Induce Cell Death in Human Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2008, 103, e28-34.	4.5	280
14	Calcium Signalling: More Messengers, More Channels, More Complexity. <i>Current Biology</i> , 2002, 12, R563-R565.	3.9	261
15	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.	7.1	258
16	2-Aminoethoxydiphenyl borate (2-APB) antagonises inositol 1,4,5-trisphosphate-induced calcium release, inhibits calcium pumps and has a use-dependent and slowly reversible action on store-operated calcium entry channels. <i>Cell Calcium</i> , 2003, 34, 97-108.	2.4	248
17	Phosphorylation of inositol 1,4,5-trisphosphate receptors by protein kinase B/Akt inhibits $\text{Ca}^{2+}$ release and apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2427-2432.	7.1	238
18	Functional $\text{InsP}_3$ receptors that may modulate excitationâ€”contraction coupling in the heart. <i>Current Biology</i> , 2000, 10, 939-S1.	3.9	229

#	ARTICLE	IF	CITATIONS
19	Targeting Bcl-2-IP3 Receptor Interaction to Reverse Bcl-2's Inhibition of Apoptotic Calcium Signals. <i>Molecular Cell</i> , 2008, 31, 255-265.	9.7	225
20	Fluorescence Microscopy. <i>Cold Spring Harbor Protocols</i> , 2014, 2014, pdb.top071795.	0.3	216
21	Calcium Signaling in Cardiac Myocytes. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011, 3, a004242-a004242.	5.5	206
22	The role of inositol 1,4,5-trisphosphate receptors in $Ca^{2+}$ signalling and the generation of arrhythmias in rat atrial myocytes. <i>Journal of Physiology</i> , 2002, 541, 395-409.	2.9	202
23	The regulation of autophagy by calcium signals: Do we have a consensus?. <i>Cell Calcium</i> , 2018, 70, 32-46.	2.4	189
24	SIGNAL TRANSDUCTION: The Calcium Entry Pas de Deux. <i>Science</i> , 2000, 287, 1604-1605.	12.6	182
25	An update on nuclear calcium signalling. <i>Journal of Cell Science</i> , 2009, 122, 2337-2350.	2.0	180
26	Emerging roles of inositol 1,4,5-trisphosphate signaling in cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2008, 45, 128-147.	1.9	177
27	Nuclear calcium signalling by individual cytoplasmic calcium puffs. <i>EMBO Journal</i> , 1997, 16, 7166-7173.	7.8	168
28	Mitochondrial $Ca^{2+}$ Uptake Depends on the Spatial and Temporal Profile of Cytosolic $Ca^{2+}$ Signals. <i>Journal of Biological Chemistry</i> , 2001, 276, 26411-26420.	3.4	167
29	XTRPC1-dependent chemotropic guidance of neuronal growth cones. <i>Nature Neuroscience</i> , 2005, 8, 730-735.	14.8	151
30	Expression and Function of Ryanodine Receptors in Nonexcitable Cells. <i>Journal of Biological Chemistry</i> , 1996, 271, 6356-6362.	3.4	149
31	Regulation of InsP3 receptor activity by neuronal $Ca^{2+}$ -binding proteins. <i>EMBO Journal</i> , 2004, 23, 312-321.	7.8	149
32	Calcium signalling. <i>Current Biology</i> , 1999, 9, R157-R159.	3.9	143
33	Characterization of Elementary $Ca^{2+}$ Release Signals in NGF-Differentiated PC12 Cells and Hippocampal Neurons. <i>Neuron</i> , 1999, 22, 125-137.	8.1	143
34	Second Messengers. <i>Cold Spring Harbor Perspectives in Biology</i> , 2016, 8, a005926.	5.5	138
35	The spatial pattern of atrial cardiomyocyte calcium signalling modulates contraction. <i>Journal of Cell Science</i> , 2004, 117, 6327-6337.	2.0	137
36	Rat basophilic leukemia cells as model system for inositol 1,4,5-trisphosphate receptor IV, a receptor of the type II family: functional comparison and immunological detection. <i>Cell Calcium</i> , 1995, 17, 239-249.	2.4	132

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37	Calcium signalling during excitation-contraction coupling in mammalian atrial myocytes. <i>Journal of Cell Science</i> , 2006, 119, 3915-3925.	2.0	132
38	Endothelin-1-Stimulated InsP3-Induced Ca <sup>2+</sup> Release Is a Nexus for Hypertrophic Signaling in Cardiac Myocytes. <i>Molecular Cell</i> , 2009, 33, 472-482.	9.7	130
39	Predetermined recruitment of calcium release sites underlies excitation-contraction coupling in rat atrial myocytes. <i>Journal of Physiology</i> , 2001, 530, 417-429.	2.9	127
40	Calcium Signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a011171-a011171.	5.5	122
41	Local and Global Spontaneous Calcium Events Regulate Neurite Outgrowth and Onset of GABAergic Phenotype during Neural Precursor Differentiation. <i>Journal of Neuroscience</i> , 2003, 23, 103-111.	3.6	116
42	All-or-nothing Ca <sup>2+</sup> mobilization from the intracellular stores of single histamine-stimulated HeLa cells. <i>Journal of Physiology</i> , 1992, 450, 163-178.	2.9	115
43	Fundamentals of Cellular Calcium Signaling: A Primer. <i>Cold Spring Harbor Perspectives in Biology</i> , 2020, 12, a038802.	5.5	115
44	Increased InsP <sub>3</sub> Rs in the junctional sarcoplasmic reticulum augment Ca <sup>2+</sup> transients and arrhythmias associated with cardiac hypertrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11406-11411.	7.1	114
45	Cell Signalling: IP3 Receptors Channel Calcium into Cell Death. <i>Current Biology</i> , 2004, 14, R933-R935.	3.9	113
46	Inositol 1,4,5-trisphosphate supports the arrhythmogenic action of endothelin-1 on ventricular cardiac myocytes. <i>Journal of Cell Science</i> , 2006, 119, 3363-3375.	2.0	109
47	Calcium-induced calcium release. <i>Current Biology</i> , 2003, 13, R425.	3.9	107
48	Calcium puffs are generic InsP3-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.	2.0	107
49	Microscopic properties of elementary Ca <sup>2+</sup> release sites in non-excitable cells. <i>Current Biology</i> , 2000, 10, 8-15.	3.9	103
50	Mitochondria are morphologically heterogeneous within cells. <i>Journal of Experimental Biology</i> , 2003, 206, 1993-2000.	1.7	103
51	Subcellular Ca <sup>2+</sup> signals underlying waves and graded responses in HeLa cells. <i>Current Biology</i> , 1996, 6, 855-865.	3.9	100
52	Ca <sup>2+</sup> -Sensitive Fluorescent Dyes and Intracellular Ca <sup>2+</sup> Imaging. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.top066050.	0.3	98
53	Comparison of the T-tubule system in adult rat ventricular and atrial myocytes, and its role in excitation-contraction coupling and inotropic stimulation. <i>Cell Calcium</i> , 2010, 47, 210-223.	2.4	97
54	The Proapoptotic Factors Bax and Bak Regulate T Cell Proliferation through Control of Endoplasmic Reticulum Ca <sup>2+</sup> Homeostasis. <i>Immunity</i> , 2007, 27, 268-280.	14.3	92

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55	Bcl-2 suppresses Ca <sup>2+</sup> release through inositol 1,4,5-trisphosphate receptors and inhibits Ca <sup>2+</sup> uptake by mitochondria without affecting ER calcium store content. <i>Cell Calcium</i> , 2008, 44, 324-338.	2.4	92
56	Hormone-evoked Elementary Ca <sup>2+</sup> Signals Are Not Stereotypic, but Reflect Activation of Different Size Channel Clusters and Variable Recruitment of Channels within a Cluster. <i>Journal of Biological Chemistry</i> , 1998, 273, 27130-27136.	3.4	84
57	Atrial cardiomyocyte calcium signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 922-934.	4.1	84
58	Mechanisms Underlying the Neuronal Calcium Sensor-1-evoked Enhancement of Exocytosis in PC12 Cells. <i>Journal of Biological Chemistry</i> , 2002, 277, 30315-30324.	3.4	83
59	Mutual antagonism between IP3R1 and miRNA-133a regulates calcium signals and cardiac hypertrophy. <i>Journal of Cell Biology</i> , 2012, 199, 783-798.	5.2	80
60	Bcl-2 interaction with the inositol 1,4,5-trisphosphate receptor: Role in Ca <sup>2+</sup> signaling and disease. <i>Cell Calcium</i> , 2011, 50, 234-241.	2.4	79
61	CAPRI and RASAL impose different modes of information processing on Ras due to contrasting temporal filtering of Ca <sup>2+</sup> . <i>Journal of Cell Biology</i> , 2005, 170, 183-190.	5.2	74
62	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.	11.2	69
63	The effect of heparin on the inositol 1,4,5-trisphosphate receptor in rat liver microsomes Dependence on sulphate content and chain length. <i>FEBS Letters</i> , 1989, 252, 105-108.	2.8	65
64	Inositol 1,4,5-trisphosphate-induced Ca <sup>2+</sup> release is inhibited by mitochondrial depolarization. <i>Biochemical Journal</i> , 2000, 347, 593-600.	3.7	65
65	Oncogenic K-Ras suppresses IP3-dependent Ca <sup>2+</sup> release through remodeling of IP3Rs isoform composition and ER luminal Ca <sup>2+</sup> levels in colorectal cancer cell lines. <i>Journal of Cell Science</i> , 2014, 127, 1607-19.	2.0	63
66	Fetuin-A and Albumin Alter Cytotoxic Effects of Calcium Phosphate Nanoparticles on Human Vascular Smooth Muscle Cells. <i>PLoS ONE</i> , 2014, 9, e97565.	2.5	62
67	Lysophosphatidic Acid-induced Ca <sup>2+</sup> Mobilization Requires Intracellular Sphingosine 1-Phosphate Production. <i>Journal of Biological Chemistry</i> , 2000, 275, 38532-38539.	3.4	61
68	Subcellular calcium dynamics in a whole-cell model of an atrial myocyte. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2150-2155.	7.1	60
69	RyR1 and RyR3 isoforms provide distinct intracellular Ca <sup>2+</sup> signals in HEK 293 cells. <i>Journal of Cell Science</i> , 2002, 115, 2497-2504.	2.0	57
70	Regulation of Ryanodine Receptor Opening by Lumenal Ca <sup>2+</sup> Underlies Quantal Ca <sup>2+</sup> Release in PC12 Cells. <i>Journal of Biological Chemistry</i> , 1999, 274, 33327-33333.	3.4	53
71	The endoplasmic reticulum is a focal point for co-ordination of cellular activity. <i>Cell Calcium</i> , 2002, 32, 231-234.	2.4	50
72	Glucocorticoid-mediated Inhibition of Lck Modulates the Pattern of T Cell Receptor-induced Calcium Signals by Down-regulating Inositol 1,4,5-Trisphosphate Receptors. <i>Journal of Biological Chemistry</i> , 2009, 284, 31860-31871.	3.4	46

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73	RyR1 and RyR3 isoforms provide distinct intracellular Ca <sup>2+</sup> signals in HEK 293 cells. <i>Journal of Cell Science</i> , 2002, 115, 2497-504.	2.0	45
74	Inositol 1,4,5-trisphosphate-induced Ca <sup>2+</sup> release is inhibited by mitochondrial depolarization. <i>Biochemical Journal</i> , 2000, 347, 593.	3.7	43
75	DAPP1 undergoes a PI 3-kinase-dependent cycle of plasma-membrane recruitment and endocytosis upon cell stimulation. <i>Current Biology</i> , 2000, 10, 1403-1412.	3.9	43
76	Critical Role of Phospholipase C $\beta$ 1 in the Generation of H <sub>2</sub> O <sub>2</sub> -evoked [Ca <sup>2+</sup> ] Oscillations in Cultured Rat Cortical Astrocytes. <i>Journal of Biological Chemistry</i> , 2006, 281, 13057-13067.	3.4	43
77	Exposure to GSM RF Fields Does Not Affect Calcium Homeostasis in Human Endothelial Cells, Rat Pheochromocytoma Cells or Rat Hippocampal Neurons. <i>PLoS ONE</i> , 2010, 5, e11828.	2.5	42
78	Intra-axonal calcium changes after axotomy in wild-type and slow Wallerian degeneration axons. <i>Neuroscience</i> , 2012, 225, 44-54.	2.3	41
79	Exosomes bind autotaxin and act as a physiological delivery mechanism to stimulate LPA receptor signalling in cells. <i>Journal of Cell Science</i> , 2016, 129, 3948-3957.	2.0	41
80	Calcium Oscillations. <i>Advances in Experimental Medicine and Biology</i> , 2008, 641, 1-27.	1.6	40
81	Deleterious effects of calcium indicators within cells; an inconvenient truth. <i>Cell Calcium</i> , 2018, 73, 82-87.	2.4	39
82	Intracellular Calcium: Questions about quantal Ca <sup>2+</sup> release. <i>Current Biology</i> , 1994, 4, 169-172.	3.9	38
83	Quantal Ca <sup>2+</sup> release from InsP <sub>3</sub> -sensitive intracellular Ca <sup>2+</sup> stores. <i>Molecular and Cellular Endocrinology</i> , 1994, 98, 157-166.	3.2	38
84	Calmidazolium and arachidonate activate a calcium entry pathway that is distinct from store-operated calcium influx in HeLa cells. <i>Biochemical Journal</i> , 2004, 381, 929-939.	3.7	38
85	The cellular concentration of Bcl-2 determines its pro- or anti-apoptotic effect. <i>Cell Calcium</i> , 2008, 44, 243-258.	2.4	38
86	Alzheimer's disease-associated peptide A $\beta$ <sup>242</sup> mobilizes ER Ca <sup>2+</sup> via InsP <sub>3</sub> R-dependent and -independent mechanisms. <i>Frontiers in Molecular Neuroscience</i> , 2013, 6, 36.	2.9	37
87	Calcium signalling: Ringing changes to the 'bell-shaped curve'™. <i>Current Biology</i> , 1999, 9, R876-R878.	3.9	36
88	Molecular cloning and immunolocalization of a novel vertebrate trp homologue from <i>Xenopus</i> . <i>Biochemical Journal</i> , 1999, 340, 593-599.	3.7	36
89	Melatonin triggers PKA activation in the rodent malaria parasite <i>Plasmodium chabaudi</i> . <i>Journal of Pineal Research</i> , 2011, 50, 64-70.	7.4	35
90	Calcium phosphate particles stimulate interleukin-1 $\beta$ release from human vascular smooth muscle cells: A role for spleen tyrosine kinase and exosome release. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 115, 82-93.	1.9	35

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91	Elevated InsP <sub>3</sub> expression underlies enhanced calcium fluxes and spontaneous extra-systolic calcium release events in hypertrophic cardiac myocytes. <i>Channels</i> , 2010, 4, 67-71.	2.8	33
92	Basal ryanodine receptor activity suppresses autophagic flux. <i>Biochemical Pharmacology</i> , 2017, 132, 133-142.	4.4	31
93	Defective chemoattractant-induced calcium signalling in S100A9 null neutrophils. <i>Cell Calcium</i> , 2007, 41, 107-121.	2.4	28
94	Temporal changes in atrial EC-coupling during prolonged stimulation with endothelin-1. <i>Cell Calcium</i> , 2007, 42, 489-501.	2.4	28
95	Activating calcium release through inositol 1,4,5-trisphosphate receptors without inositol 1,4,5-trisphosphate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 7320-7322.	7.1	24
96	Calcium in the heart: when it's good, it's very very good, but when it's bad, it's horrid. <i>Biochemical Society Transactions</i> , 2007, 35, 957-961.	3.4	24
97	Inositol 1,4,5-trisphosphate receptors in the heart. <i>Biological Research</i> , 2004, 37, 553-7.	3.4	24
98	Creating a New Cancer Therapeutic Agent by Targeting the Interaction between Bcl-2 and IP <sub>3</sub> Receptors. <i>Cold Spring Harbor Perspectives in Biology</i> , 2019, 11, a035196.	5.5	23
99	Elementary [Ca <sup>2+</sup> ] <sub>i</sub> signals generated by electroporation functionally mimic those evoked by hormonal stimulation. <i>FASEB Journal</i> , 1999, 13, 365-376.	0.5	22
100	Non-immortalized human neural stem (NS) cells as a scalable platform for cellular assays. <i>Neurochemistry International</i> , 2011, 59, 432-444.	3.8	22
101	Pacemaking, arrhythmias, inotropy and hypertrophy: the many possible facets of IP <sub>3</sub> signalling in cardiac myocytes. <i>Journal of Physiology</i> , 2007, 581, 883-884.	2.9	21
102	Oncogenic KRAS suppresses store-operated Ca <sup>2+</sup> entry and I CRAC through ERK pathway-dependent remodelling of STIM expression in colorectal cancer cell lines. <i>Cell Calcium</i> , 2018, 72, 70-80.	2.4	20
103	Molecular cloning and immunolocalization of a novel vertebrate trp homologue from <i>Xenopus</i> . <i>Biochemical Journal</i> , 1999, 340, 593.	3.7	19
104	Contractile responses to endothelin-1 are regulated by PKC phosphorylation of cardiac myosin binding protein-C in rat ventricular myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2018, 117, 1-18.	1.9	19
105	Co-incident signalling between $\mu$ -opioid and M3 muscarinic receptors at the level of Ca <sup>2+</sup> release from intracellular stores: lack of evidence for Ins(1,4,5)P <sub>3</sub> receptor sensitization. <i>Biochemical Journal</i> , 2003, 375, 713-720.	3.7	18
106	Tissue Specificity: Store-Operated Ca <sup>2+</sup> Entry in Cardiac Myocytes. <i>Advances in Experimental Medicine and Biology</i> , 2017, 993, 363-387.	1.6	18
107	Cardiac pathology in neuronal ceroid lipofuscinoses (NCL): More than a mere co-morbidity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165643.	3.8	18
108	Synthesis and Biological Action of Novel 4-Position-Modified Derivatives of d-myo-Inositol 1,4,5-Trisphosphate. <i>Journal of Organic Chemistry</i> , 2007, 72, 5647-5659.	3.2	17

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109	Interaction between store-operated and arachidonate-activated calcium entry. <i>Cell Calcium</i> , 2007, 41, 1-12.	2.4	17
110	Prognostic relevance of a T-type calcium channels gene signature in solid tumours: A correlation ready for clinical validation. <i>PLoS ONE</i> , 2017, 12, e0182818.	2.5	17
111	Hormone-evoked subcellular Ca <sup>2+</sup> signals in HeLa cells. <i>Cell Calcium</i> , 1996, 20, 97-104.	2.4	16
112	Slow kinetics of InsP <sub>3</sub> -induced Ca <sup>2+</sup> release: differences between uni- and bi-directional <sup>45</sup> Ca <sup>2+</sup> fluxes. <i>Cell Calcium</i> , 1995, 18, 100-110.	2.4	14
113	Methacholine and PDGF activate store-operated calcium entry in neuronal precursor cells via distinct calcium entry channels. <i>Biological Research</i> , 2008, 41, 183-95.	3.4	14
114	T-type calcium channels drive the proliferation of androgen receptor negative prostate cancer cells. <i>Prostate</i> , 2019, 79, 1580-1586.	2.3	14
115	Two sulphonated dye compounds which compete for inositol 1,4,5-trisphosphate binding to rat liver microsomes: Effects on 5'-phosphatase activity. <i>Biochemical and Biophysical Research Communications</i> , 1990, 166, 1334-1339.	2.1	13
116	Redoxing Calcium from the ER. <i>Cell</i> , 2005, 120, 4-5.	28.9	13
117	Loading Fluorescent Ca <sup>2+</sup> Indicators into Living Cells. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072801.	0.3	13
118	The Synthesis of Membrane Permeant Derivatives of myo-Inositol 1,4,5-Trisphosphate. <i>Australian Journal of Chemistry</i> , 2006, 59, 887.	0.9	12
119	Why, where, and when do cardiac myocytes express inositol 1,4,5-trisphosphate receptors?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008, 294, H579-H581.	3.2	12
120	Spontaneous, Pro-Arrhythmic Calcium Signals Disrupt Electrical Pacing in Mouse Pulmonary Vein Sleeve Cells. <i>PLoS ONE</i> , 2014, 9, e88649.	2.5	12
121	Calcium Influx: Is Homer the Missing Link?. <i>Current Biology</i> , 2003, 13, R976-R978.	3.9	11
122	Converting Fluorescence Data into Ca <sup>2+</sup> Concentration. <i>Cold Spring Harbor Protocols</i> , 2013, 2013, pdb.prot072827.	0.3	10
123	Normal Ca <sup>2+</sup> signalling in glutathione-depleted and dithiothreitol-treated HeLa cells. <i>Pflügers Archiv European Journal of Physiology</i> , 1993, 423, 480-484.	2.8	9
124	The JAK3 inhibitor WHI-P154 prevents PDGF-evoked process outgrowth in human neural precursor cells. <i>Journal of Neurochemistry</i> , 2006, 97, 201-210.	3.9	9
125	A non-canonical role for pyruvate kinase M2 as a functional modulator of Ca <sup>2+</sup> signalling through IP <sub>3</sub> receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2022, 1869, 119206.	4.1	9
126	Using Calcium Imaging as a Readout of GPCR Activation. <i>Methods in Molecular Biology</i> , 2011, 746, 277-296.	0.9	8

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127	Vasopressin responses in electrically coupled A7r5 cells. Pflugers Archiv European Journal of Physiology, 1994, 428, 283-287.	2.8	7
128	Calcium-Modulating Cyclophilin Ligand Desensitizes Hormone-Evoked Calcium Release. Biochemical and Biophysical Research Communications, 2000, 276, 97-100.	2.1	7
129	Persistence of Pro-Arrhythmic Spatio-Temporal Calcium Patterns in Atrial Myocytes: A Computational Study of Ping Waves. Frontiers in Physiology, 2012, 3, 279.	2.8	7
130	Dynamic imaging of calcium and STIM1 in the same cell using wide-field and TIRF microscopy. BioTechniques, 2008, 45, 347-348.	1.8	6
131	Pulmonary vein sleeve cell excitationâ€“contraction-coupling becomes dysynchronized by spontaneous calcium transients. Biochemical Society Transactions, 2015, 43, 410-416.	3.4	6
132	Intracellular Calcium Signaling. , 2010, , 937-942.		5
133	Calcification stimulates inflammatory signalling pathways in human vascular smooth muscle cells. Atherosclerosis, 2016, 244, e9-e10.	0.8	4
134	Examining Cardiomyocyte Dysfunction Using Acute Chemical Induction of an Ageing Phenotype. International Journal of Molecular Sciences, 2020, 21, 197.	4.1	4
135	Effect of inositol tetrakisphosphates on inositol 1,4,5-trisphosphate binding to rat liver microsomes. Biochemical Society Transactions, 1988, 16, 593-593.	3.4	2
136	Which Ca <sup>2+</sup> -channels control cardiac E-C coupling?. Journal of Physiology, 1998, 508, 331-331.	2.9	2
137	A tribute to Professor Sir Michael J. Berridge FRS (1938â€“2020). Biochimica Et Biophysica Acta - Molecular Cell Research, 2021, 1868, 119014.	4.1	2
138	High-resolution Confocal Imaging of Elementary Ca <sup>2+</sup> Signals in Living Cells. , 1999, , 337-343.		2
139	Intracellular Calcium Signaling. , 2003, , 51-56.		1
140	New Ca <sup>2+</sup> Indicator has Freedom to Express. Chemistry and Biology, 2006, 13, 463-464.	6.0	1
141	Atrial myocytes demonstrate the diversity of cardiac calcium signalling. Channels, 2015, 9, 219-220.	2.8	1
142	Professor Sir Michael Berridge FRS (1938â€“2020). Current Biology, 2020, 30, R374-R376.	3.9	1
143	Mutual antagonism between IP3R2 and miRNA-133a regulates calcium signals and cardiac hypertrophy. Journal of General Physiology, 2013, 141, i1-i1.	1.9	1
144	Cell signalling. Trends in Pharmacological Sciences, 1990, 11, 300.	8.7	0

#	ARTICLE	IF	CITATIONS
145	The Endoplasmic Reticulum: A Central Player in Cell Signalling and Protein Synthesis. Lecture Notes in Physics, 0, , 17-35.	0.7	0