

# Martin D Bootman

## List of Publications by Citations

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145  
papers

21,479  
citations

61  
h-index

146  
g-index

151  
ext. papers

23,706  
ext. citations

8  
avg, IF

6.78  
L-index

#	Paper	IF	Citations
145	The versatility and universality of calcium signalling. <i>Nature Reviews Molecular Cell Biology</i> , <b>2000</b> , 1, 11-21	18.7	4268
144	Calcium signalling: dynamics, homeostasis and remodelling. <i>Nature Reviews Molecular Cell Biology</i> , <b>2003</b> , 4, 517-29	48.7	4015
143	2-aminoethoxydiphenyl borate (2-APB) is a reliable blocker of store-operated Ca <sup>2+</sup> entry but an inconsistent inhibitor of InsP <sub>3</sub> -induced Ca <sup>2+</sup> release. <i>FASEB Journal</i> , <b>2002</b> , 16, 1145-50	0.9	591
142	Guidelines for the use and interpretation of assays for monitoring autophagy (4th edition). <i>Autophagy</i> , <b>2021</b> , 17, 1-382	10.2	440
141	Mitochondria are morphologically and functionally heterogeneous within cells. <i>EMBO Journal</i> , <b>2002</b> , 21, 1616-27	13	421
140	The elemental principles of calcium signaling. <i>Cell</i> , <b>1995</b> , 83, 675-8	56.2	417
139	Calcium signalling--an overview. <i>Seminars in Cell and Developmental Biology</i> , <b>2001</b> , 12, 3-10	7.5	350
138	The organisation and functions of local Ca <sup>2+</sup> signals. <i>Journal of Cell Science</i> , <b>2001</b> , 114, 2213-2222	5.3	335
137	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> , <b>2004</b> , 166, 193-203	7.3	332
136	A comparison of fluorescent Ca <sup>2+</sup> indicator properties and their use in measuring elementary and global Ca <sup>2+</sup> signals. <i>Cell Calcium</i> , <b>2000</b> , 28, 213-23	4	328
135	Cooking with calcium: the recipes for composing global signals from elementary events. <i>Cell</i> , <b>1997</b> , 91, 367-73	56.2	326
134	Calcium phosphate crystals induce cell death in human vascular smooth muscle cells: a potential mechanism in atherosclerotic plaque destabilization. <i>Circulation Research</i> , <b>2008</b> , 103, e28-34	15.7	240
133	The BH4 domain of Bcl-2 inhibits ER calcium release and apoptosis by binding the regulatory and coupling domain of the IP <sub>3</sub> receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 14397-402	11.5	229
132	Calcium signalling: more messengers, more channels, more complexity. <i>Current Biology</i> , <b>2002</b> , 12, R563-563	5.3	229
131	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> , <b>2003</b> , 34, 97-108	4	225
130	Phosphorylation of inositol 1,4,5-trisphosphate receptors by protein kinase B/Akt inhibits Ca <sup>2+</sup> release and apoptosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 2427-32	11.5	212
129	Functional InsP <sub>3</sub> receptors that may modulate excitation-contraction coupling in the heart. <i>Current Biology</i> , <b>2000</b> , 10, 939-42	6.3	204

128	Targeting Bcl-2-IP3 receptor interaction to reverse Bcl-2 inhibition of apoptotic calcium signals. <i>Molecular Cell</i> , <b>2008</b> , 31, 255-65	17.6	202
127	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> , <b>2002</b> , 541, 395-409	3.9	181
126	Signal transduction. The calcium entry pas de deux. <i>Science</i> , <b>2000</b> , 287, 1604-5	33.3	173
125	An update on nuclear calcium signalling. <i>Journal of Cell Science</i> , <b>2009</b> , 122, 2337-50	5.3	164
124	Calcium signaling in cardiac myocytes. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2011</b> , 3, a004242	10.2	160
123	Mitochondrial Ca(2+) uptake depends on the spatial and temporal profile of cytosolic Ca(2+) signals. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 26411-20	5.4	153
122	Emerging roles of inositol 1,4,5-trisphosphate signaling in cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2008</b> , 45, 128-47	5.8	152
121	Nuclear calcium signalling by individual cytoplasmic calcium puffs. <i>EMBO Journal</i> , <b>1997</b> , 16, 7166-73	13	151
120	Regulation of InsP3 receptor activity by neuronal Ca2+-binding proteins. <i>EMBO Journal</i> , <b>2004</b> , 23, 312-21	13	143
119	XTRPC1-dependent chemotropic guidance of neuronal growth cones. <i>Nature Neuroscience</i> , <b>2005</b> , 8, 730-5	5.5	143
118	Calcium signalling. <i>Current Biology</i> , <b>1999</b> , 9, R157-9	6.3	133
117	Characterization of elementary Ca2+ release signals in NGF-differentiated PC12 cells and hippocampal neurons. <i>Neuron</i> , <b>1999</b> , 22, 125-37	13.9	133
116	Expression and function of ryanodine receptors in nonexcitable cells. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 6356-62	5.4	132
115	Fluorescence microscopy. <i>Cold Spring Harbor Protocols</i> , <b>2014</b> , 2014, pdb.top071795	1.2	130
114	The regulation of autophagy by calcium signals: Do we have a consensus?. <i>Cell Calcium</i> , <b>2018</b> , 70, 32-46	4	125
113	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> , <b>1995</b> , 17, 239-49	4	124
112	The spatial pattern of atrial cardiomyocyte calcium signalling modulates contraction. <i>Journal of Cell Science</i> , <b>2004</b> , 117, 6327-37	5.3	121
111	Calcium signalling during excitation-contraction coupling in mammalian atrial myocytes. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 3915-25	5.3	115

110	Predetermined recruitment of calcium release sites underlies excitation-contraction coupling in rat atrial myocytes. <i>Journal of Physiology</i> , <b>2001</b> , 530, 417-29	3.9	114
109	Endothelin-1-stimulated InsP3-induced Ca <sup>2+</sup> release is a nexus for hypertrophic signaling in cardiac myocytes. <i>Molecular Cell</i> , <b>2009</b> , 33, 472-82	17.6	113
108	All-or-nothing Ca <sup>2+</sup> mobilization from the intracellular stores of single histamine-stimulated HeLa cells. <i>Journal of Physiology</i> , <b>1992</b> , 450, 163-78	3.9	110
107	Local and global spontaneous calcium events regulate neurite outgrowth and onset of GABAergic phenotype during neural precursor differentiation. <i>Journal of Neuroscience</i> , <b>2003</b> , 23, 103-11	6.6	106
106	Cell signalling: IP3 receptors channel calcium into cell death. <i>Current Biology</i> , <b>2004</b> , 14, R933-5	6.3	101
105	Microscopic properties of elementary Ca <sup>2+</sup> release sites in non-excitabile cells. <i>Current Biology</i> , <b>2000</b> , 10, 8-15	6.3	101
104	Increased InsP3Rs 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> , <b>2009</b> , 106, 11406-11	11.5	100
103	Inositol 1,4,5-trisphosphate supports the arrhythmogenic action of endothelin-1 on ventricular cardiac myocytes. <i>Journal of Cell Science</i> , <b>2006</b> , 119, 3363-75	5.3	95
102	Mitochondria are morphologically heterogeneous within cells. <i>Journal of Experimental Biology</i> , <b>2003</b> , 206, 1993-2000	3	93
101	Calcium signaling. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2012</b> , 4, a011171	10.2	91
100	Subcellular Ca <sup>2+</sup> signals underlying waves and graded responses in HeLa cells. <i>Current Biology</i> , <b>1996</b> , 6, 855-65	6.3	90
99	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> , <b>2001</b> , 114, 3979-3989	5.3	89
98	Calcium-induced calcium release. <i>Current Biology</i> , <b>2003</b> , 13, R425	6.3	87
97	The proapoptotic factors Bax and Bak regulate T Cell proliferation through control of endoplasmic reticulum Ca(2+) homeostasis. <i>Immunity</i> , <b>2007</b> , 27, 268-80	32.3	86
96	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> , <b>2008</b> , 44, 324-38	4	85
95	Ca <sup>2+</sup> -sensitive fluorescent dyes and intracellular Ca <sup>2+</sup> imaging. <i>Cold Spring Harbor Protocols</i> , <b>2013</b> , 2013, 83-99	1.2	80
94	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> , <b>1998</b> , 273, 27130-6	5.4	79
93	Mechanisms underlying the neuronal calcium sensor-1-evoked enhancement of exocytosis in PC12 cells. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 30315-24	5.4	77

92	Bcl-2 interaction with the inositol 1,4,5-trisphosphate receptor: role in Ca(2+) signaling and disease. <i>Cell Calcium</i> , <b>2011</b> , 50, 234-41	4	74
91	Second Messengers. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2016</b> , 8,	10.2	74
90	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> , <b>2010</b> , 47, 210-23	4	73
89	Atrial cardiomyocyte calcium signalling. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2011</b> , 1813, 922-34	4.9	69
88	Mutual antagonism between IP(3)RII and miRNA-133a regulates calcium signals and cardiac hypertrophy. <i>Journal of Cell Biology</i> , <b>2012</b> , 199, 783-98	7.3	67
87	CAPRI and RASAL impose different modes of information processing on Ras due to contrasting temporal filtering of Ca2+. <i>Journal of Cell Biology</i> , <b>2005</b> , 170, 183-90	7.3	67
86	Inositol 1,4,5-trisphosphate-induced Ca2+ release is inhibited by mitochondrial depolarization. <i>Biochemical Journal</i> , <b>2000</b> , 347, 593-600	3.8	63
85	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> , <b>1989</b> , 252, 105-8	3.8	61
84	Lysophosphatidic acid-induced Ca2+ mobilization requires intracellular sphingosine 1-phosphate production. Potential involvement of endogenous EDG-4 receptors. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 38532-9	5.4	57
83	Oncogenic K-Ras suppresses IP $\beta$ -dependent Ca $\square$ + release through remodelling of the isoform composition of IP $\beta$ s and ER luminal Ca $\square$ + levels in colorectal cancer cell lines. <i>Journal of Cell Science</i> , <b>2014</b> , 127, 1607-19	5.3	56
82	Constitutive IP signaling underlies the sensitivity of B-cell cancers to the Bcl-2/IP receptor disruptor BIRD-2. <i>Cell Death and Differentiation</i> , <b>2019</b> , 26, 531-547	12.7	51
81	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> , <b>2012</b> , 109, 2150-5	11.5	50
80	Fetuin-A and albumin alter cytotoxic effects of calcium phosphate nanoparticles on human vascular smooth muscle cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e97565	3.7	49
79	Regulation of ryanodine receptor opening by luminal Ca(2+) underlies quantal Ca(2+) release in PC12 cells. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 33327-33	5.4	49
78	The endoplasmic reticulum is a focal point for co-ordination of cellular activity. <i>Cell Calcium</i> , <b>2002</b> , 32, 231-4	4	47
77	RyR1 and RyR3 isoforms provide distinct intracellular Ca2+ signals in HEK 293 cells. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 2497-2504	5.3	46
76	Fundamentals of Cellular Calcium Signaling: A Primer. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2020</b> , 12,	10.2	45
75	RyR1 and RyR3 isoforms provide distinct intracellular Ca2+ signals in HEK 293 cells. <i>Journal of Cell Science</i> , <b>2002</b> , 115, 2497-504	5.3	42

74	DAPP1 undergoes a PI 3-kinase-dependent cycle of plasma-membrane recruitment and endocytosis upon cell stimulation. <i>Current Biology</i> , <b>2000</b> , 10, 1403-12	6.3	41
73	Intra-axonal calcium changes after axotomy in wild-type and slow Wallerian degeneration axons. <i>Neuroscience</i> , <b>2012</b> , 225, 44-54	3.9	39
72	Critical role of phospholipase Cgamma1 in the generation of H2O2-evoked [Ca2+]i oscillations in cultured rat cortical astrocytes. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 13057-13067	5.4	38
71	Calmidazolium and arachidonate activate a calcium entry pathway that is distinct from store-operated calcium influx in HeLa cells. <i>Biochemical Journal</i> , <b>2004</b> , 381, 929-39	3.8	38
70	Inositol 1,4,5-trisphosphate-induced Ca2+ release is inhibited by mitochondrial depolarization. <i>Biochemical Journal</i> , <b>2000</b> , 347, 593-600	3.8	37
69	Quantal Ca2+ release from InsP3-sensitive intracellular Ca2+ stores. <i>Molecular and Cellular Endocrinology</i> , <b>1994</b> , 98, 157-66	4.4	37
68	Intracellular calcium. Questions about quantal Ca2+ release. <i>Current Biology</i> , <b>1994</b> , 4, 169-72	6.3	36
67	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> , <b>2009</b> , 284, 31860-71	5.4	35
66	The cellular concentration of Bcl-2 determines its pro- or anti-apoptotic effect. <i>Cell Calcium</i> , <b>2008</b> , 44, 243-58	4	35
65	Calcium oscillations. <i>Advances in Experimental Medicine and Biology</i> , <b>2008</b> , 641, 1-27	3.6	35
64	Molecular cloning and immunolocalization of a novel vertebrate trp homologue from Xenopus. <i>Biochemical Journal</i> , <b>1999</b> , 340, 593-599	3.8	34
63	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> , <b>2010</b> , 5, e11828	3.7	34
62	Alzheimer's disease-associated peptide Aβ42 mobilizes ER Ca(2+) via InsP3R-dependent and -independent mechanisms. <i>Frontiers in Molecular Neuroscience</i> , <b>2013</b> , 6, 36	6.1	31
61	Ringing changes to the bell-shaped curve. <i>Current Biology</i> , <b>1999</b> , 9, R876-8	6.3	31
60	Exosomes bind to autotaxin and act as a physiological delivery mechanism to stimulate LPA receptor signalling in cells. <i>Journal of Cell Science</i> , <b>2016</b> , 129, 3948-3957	5.3	30
59	Melatonin triggers PKA activation in the rodent malaria parasite Plasmodium chabaudi. <i>Journal of Pineal Research</i> , <b>2011</b> , 50, 64-70	10.4	30
58	Temporal changes in atrial EC-coupling during prolonged stimulation with endothelin-1. <i>Cell Calcium</i> , <b>2007</b> , 42, 489-501	4	27
57	Calcium phosphate particles stimulate interleukin-1 release from human vascular smooth muscle cells: A role for spleen tyrosine kinase and exosome release. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2018</b> , 115, 82-93	5.8	26

56	Defective chemoattractant-induced calcium signalling in S100A9 null neutrophils. <i>Cell Calcium</i> , <b>2007</b> , 41, 107-21	4	26
55	Elevated InsP3R expression underlies enhanced calcium fluxes and spontaneous extra-systolic calcium release events in hypertrophic cardiac myocytes. <i>Channels</i> , <b>2010</b> , 4, 67-71	3	25
54	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> , <b>2002</b> , 99, 7320-2	11.5	24
53	Basal ryanodine receptor activity suppresses autophagic flux. <i>Biochemical Pharmacology</i> , <b>2017</b> , 132, 133-42	4	22
52	Elementary [Ca <sup>2+</sup> ] <sub>i</sub> signals generated by electroporation functionally mimic those evoked by hormonal stimulation. <i>FASEB Journal</i> , <b>1999</b> , 13, 365-76	0.9	22
51	Inositol 1,4,5-trisphosphate receptors in the heart. <i>Biological Research</i> , <b>2004</b> , 37, 553-7	7.6	22
50	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> , <b>2007</b> , 35, 957-61	5.1	21
49	Pacemaking, arrhythmias, inotropy and hypertrophy: the many possible facets of IP3 signalling in cardiac myocytes. <i>Journal of Physiology</i> , <b>2007</b> , 581, 883-4	3.9	20
48	Deleterious effects of calcium indicators within cells; an inconvenient truth. <i>Cell Calcium</i> , <b>2018</b> , 73, 82-87	4	19
47	Non-immortalized human neural stem (NS) cells as a scalable platform for cellular assays. <i>Neurochemistry International</i> , <b>2011</b> , 59, 432-44	4.4	19
46	Creating a New Cancer Therapeutic Agent by Targeting the Interaction between Bcl-2 and IP Receptors. <i>Cold Spring Harbor Perspectives in Biology</i> , <b>2019</b> , 11,	10.2	18
45	Synthesis and biological action of novel 4-position-modified derivatives of D-myo-inositol 1,4,5-trisphosphate. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 5647-59	4.2	16
44	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)P3 receptor sensitization. <i>Biochemical Journal</i> , <b>2003</b> , 375, 713-20	3.8	16
43	Molecular cloning and immunolocalization of a novel vertebrate trp homologue from Xenopus. <i>Biochemical Journal</i> , <b>1999</b> , 340, 593	3.8	16
42	Oncogenic KRAS suppresses store-operated Ca entry and I through ERK pathway-dependent remodelling of STIM expression in colorectal cancer cell lines. <i>Cell Calcium</i> , <b>2018</b> , 72, 70-80	4	15
41	Interaction between store-operated and arachidonate-activated calcium entry. <i>Cell Calcium</i> , <b>2007</b> , 41, 1-12	4	15
40	Hormone-evoked subcellular Ca <sup>2+</sup> signals in HeLa cells. <i>Cell Calcium</i> , <b>1996</b> , 20, 97-104	4	15
39	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> , <b>2018</b> , 117, 1-18	5.8	14

38	Tissue Specificity: Store-Operated Ca Entry in Cardiac Myocytes. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 993, 363-387	3.6	14
37	Methacholine and PDGF activate store-operated calcium entry in neuronal precursor cells via distinct calcium entry channels. <i>Biological Research</i> , <b>2008</b> , 41, 183-95	7.6	13
36	Slow kinetics of InsP3-induced Ca <sup>2+</sup> release: differences between uni- and bi-directional <sup>45</sup> Ca <sup>2+</sup> fluxes. <i>Cell Calcium</i> , <b>1995</b> , 18, 100-10	4	13
35	Prognostic relevance of a T-type calcium channels gene signature in solid tumours: A correlation ready for clinical validation. <i>PLoS ONE</i> , <b>2017</b> , 12, e0182818	3.7	13
34	Redoxing calcium from the ER. <i>Cell</i> , <b>2005</b> , 120, 4-5	56.2	12
33	The Synthesis of Membrane Permeant Derivatives of myo-Inositol 1,4,5-Trisphosphate. <i>Australian Journal of Chemistry</i> , <b>2006</b> , 59, 887	1.2	12
32	Two sulphonated dye compounds which compete for inositol 1,4,5-trisphosphate binding to rat liver microsomes: effects on 5 $\alpha$ -phosphatase activity. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 166, 1334-9	3.4	12
31	Why, where, and when do cardiac myocytes express inositol 1,4,5-trisphosphate receptors?. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 294, H579-81	5.2	11
30	Calcium influx: is Homer the missing link?. <i>Current Biology</i> , <b>2003</b> , 13, R976-8	6.3	11
29	Spontaneous, pro-arrhythmic calcium signals disrupt electrical pacing in mouse pulmonary vein sleeve cells. <i>PLoS ONE</i> , <b>2014</b> , 9, e88649	3.7	11
28	Loading fluorescent Ca <sup>2+</sup> indicators into living cells. <i>Cold Spring Harbor Protocols</i> , <b>2013</b> , 2013, 122-5	1.2	10
27	Cardiac pathology in neuronal ceroid lipofuscinoses (NCL): More than a mere co-morbidity. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2020</b> , 1866, 165643	6.9	10
26	Normal Ca <sup>2+</sup> signalling in glutathione-depleted and dithiothreitol-treated HeLa cells. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1993</b> , 423, 480-4	4.6	9
25	The JAK3 inhibitor WHI-P154 prevents PDGF-evoked process outgrowth in human neural precursor cells. <i>Journal of Neurochemistry</i> , <b>2006</b> , 97, 201-10	6	8
24	Using calcium imaging as a readout of GPCR activation. <i>Methods in Molecular Biology</i> , <b>2011</b> , 746, 277-96	1.4	8
23	Converting fluorescence data into Ca <sup>2+</sup> concentration. <i>Cold Spring Harbor Protocols</i> , <b>2013</b> , 2013, 126-9	1.2	7
22	Persistence of pro-arrhythmic spatio-temporal calcium patterns in atrial myocytes: a computational study of ping waves. <i>Frontiers in Physiology</i> , <b>2012</b> , 3, 279	4.6	6
21	Calcium-modulating cyclophilin ligand desensitizes hormone-evoked calcium release. <i>Biochemical and Biophysical Research Communications</i> , <b>2000</b> , 276, 97-100	3.4	6



20	Vasopressin responses in electrically coupled A7r5 cells. <i>Pflugers Archiv European Journal of Physiology</i> , <b>1994</b> , 428, 283-7	4.6	6
19	T-type calcium channels drive the proliferation of androgen-receptor negative prostate cancer cells. <i>Prostate</i> , <b>2019</b> , 79, 1580-1586	4.2	5
18	Pulmonary vein sleeve cell excitation-contraction-coupling becomes desynchronized by spontaneous calcium transients. <i>Biochemical Society Transactions</i> , <b>2015</b> , 43, 410-6	5.1	5
17	Calcium Signalling and Regulation of Cell Function <b>2012</b> ,		5
16	Intracellular Calcium Signaling <b>2010</b> , 937-942		4
15	Dynamic imaging of calcium and STIM1 in the same cell using wide-field and TIRF microscopy. <i>BioTechniques</i> , <b>2008</b> , 45, 347-8	2.5	4
14	Calcium Signalling and Regulation of Cell Function <b>2001</b> ,		4
13	Examining Cardiomyocyte Dysfunction Using Acute Chemical Induction of an Ageing Phenotype. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 21,	6.3	4
12	Calcification stimulates inflammatory signalling pathways in human vascular smooth muscle cells. <i>Atherosclerosis</i> , <b>2016</b> , 244, e9-e10	3.1	4
11	Calcium Signalling and Regulation of Cell Function <b>2006</b> ,		2
10	Effect of inositol tetrakisphosphates on inositol 1,4,5-trisphosphate binding to rat liver microsomes. <i>Biochemical Society Transactions</i> , <b>1988</b> , 16, 593-593	5.1	2
9	Atrial myocytes demonstrate the diversity of cardiac calcium signalling. <i>Channels</i> , <b>2015</b> , 9, 219-20	3	1
8	Which Ca <sup>2+</sup> channels control cardiac E-C coupling?. <i>Journal of Physiology</i> , <b>1998</b> , 508 ( Pt 2), 331	3.9	1
7	New Ca <sup>2+</sup> indicator has freedom to express. <i>Chemistry and Biology</i> , <b>2006</b> , 13, 463-4		1
6	Intracellular Calcium Signaling <b>2003</b> , 51-56		1
5	A non-canonical role for pyruvate kinase M2 as a functional modulator of Ca signalling through IP receptors.. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2022</b> , 1869, 119206	4.9	1
4	High-resolution Confocal Imaging of Elementary Ca <sup>2+</sup> Signals in Living Cells <b>1999</b> , 337-343		1
3	Mutual antagonism between IP3R2 and miRNA-133a regulates calcium signals and cardiac hypertrophy. <i>Journal of General Physiology</i> , <b>2013</b> , 141, i1-i1	3.4	1

2	A tribute to Professor Sir Michael J. Berridge FRS (1938-2020). <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , <b>2021</b> , 1868, 119014	4.9	1
1	The Endoplasmic Reticulum: A Central Player in Cell Signalling and Protein Synthesis. <i>Lecture Notes in Physics</i> , <b>2003</b> , 17-35	0.8	