James W Putney

List of Publications by Year
in descending order

240 papers	26,069 citations	5574 82 h-index	6471 157 g-index
247 all docs	247 docs citations	247 times ranked	10888 citing authors

#	Article	IF	Citations
1	A model for receptor-regulated calcium entry. Cell Calcium, 1986, 7, 1-12.	2.4	2,462
2	Store-Operated Calcium Channels. Physiological Reviews, 2005, 85, 757-810.	28.8	1,907
3	Capacitative calcium entry revisited. Cell Calcium, 1990, 11, 611-624.	2.4	1,473
4	The second messenger linking receptor activation to internal Ca release in liver. Nature, 1984, 309, 63-66.	27.8	580
5	The Inositol Phosphate-Calcium Signaling System in Nonexcitable Cells. Endocrine Reviews, 1993, 14, 610-631.	20.1	497
6	Spatial and temporal aspects of cellular calcium signaling. FASEB Journal, 1996, 10, 1505-1517.	0.5	484
7	Large Store-operated Calcium Selective Currents Due to Co-expression of Orai1 or Orai2 with the Intracellular Calcium Sensor, Stim1. Journal of Biological Chemistry, 2006, 281, 24979-24990.	3.4	484
8	Mechanisms of capacitative calcium entry. Journal of Cell Science, 2001, 114, 2223-2229.	2.0	483
9	The signal for capacitative calcium entry. Cell, 1993, 75, 199-201.	28.9	429
10	STIM1 Is a MT-Plus-End-Tracking Protein Involved in Remodeling of the ER. Current Biology, 2008, 18, 177-182.	3.9	378
11	Defective mast cell effector functions in mice lacking the CRACM1 pore subunit of store-operated calcium releaseâ€"activated calcium channels. Nature Immunology, 2008, 9, 89-96.	14.5	372
12	Capacitative calcium entry channels. BioEssays, 1999, 21, 38-46.	2.5	357
13	Is phosphatidic acid a calcium ionophore under neurohumoral control?. Nature, 1980, 284, 345-347.	27.8	340
14	A saturable receptor for 32P-inositol-l,4,5-trisphosphate in hepatocytes and neutrophils. Nature, 1986, 319, 514-516.	27.8	306
15	Induction of epithelialâ€"mesenchymal transition (EMT) in breast cancer cells is calcium signal dependent. Oncogene, 2014, 33, 2307-2316.	5.9	290
16	The mammalian TRPC cation channels. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 21-36.	4.1	285
17	Inositol 1,4,5-trisphosphate and inositol 1,3,4-trisphosphate formation in Ca2+-mobilizing-hormone-activated cells. Biochemical Journal, 1985, 232, 237-243.	3.7	248
18	Activation and regulation of storeâ€operated calcium entry. Journal of Cellular and Molecular Medicine, 2010, 14, 2337-2349.	3.6	236

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19	Calcium Oscillations. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004226-a004226.	5.5	231
20	Complex Actions of 2-Aminoethyldiphenyl Borate on Store-operated Calcium Entry. Journal of Biological Chemistry, 2008, 283, 19265-19273.	3.4	230
21	Capacitative calcium entry in parotid acinar cells. Biochemical Journal, 1989, 258, 409-412.	3.7	223
22	Comparison of Human TRPC3 Channels in Receptor-activated and Store-operated Modes. Journal of Biological Chemistry, 2002, 277, 21617-21623.	3.4	221
23	Calcium Inhibition and Calcium Potentiation of Orai1, Orai2, and Orai3 Calcium Release-activated Calcium Channels*. Journal of Biological Chemistry, 2007, 282, 17548-17556.	3.4	220
24	Recent breakthroughs in the molecular mechanism of capacitative calcium entry (with thoughts on) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.4	217
25	Role of the Phospholipase C-Inositol 1,4,5-Trisphosphate Pathway in Calcium Release-activated Calcium Current and Capacitative Calcium Entry. Journal of Biological Chemistry, 2001, 276, 15945-15952.	3.4	212
26	TRPC channels function independently of STIM1 and Orai1. Journal of Physiology, 2009, 587, 2275-2298.	2.9	207
27	Capacitative calcium entry: from concept to molecules. Immunological Reviews, 2009, 231, 10-22.	6.0	206
28	The TRPC3/6/7 subfamily of cation channels. Cell Calcium, 2003, 33, 451-461.	2.4	201
29	Emerging perspectives in store-operated Ca2+ entry: Roles of Orai, Stim and TRP. Biochimica Et Biophysica Acta - Molecular Cell Research, 2006, 1763, 1147-1160.	4.1	194
30	Activation of Ca2+ entry into acinar cells by a non-phosphorylatable inositol trisphosphate. Nature, 1991, 352, 162-165.	27.8	192
31	Muscarinic, alphaâ€adrenergic and peptide receptors regulate the same calcium influx sites in the parotid gland.. Journal of Physiology, 1977, 268, 139-149.	2.9	189
32	Receptor-mediated net breakdown of phosphatidylinositol 4,5-bisphosphate in parotid acinar cells. Biochemical Journal, 1982, 206, 555-560.	3.7	181
33	Evidence suggesting that a novel guanine nucleotide regulatory protein couples receptors to phospholipase C in exocrine pancreas. Biochemical Journal, 1986, 236, 337-343.	3.7	181
34	Excitement about calcium signaling in inexcitable cells. Science, 1993, 262, 676-678.	12.6	180
35	Methods for studying store-operated calcium entry. Methods, 2008, 46, 204-212.	3.8	180
36	How do inositol phosphates regulate calcium signaling?. FASEB Journal, 1989, 3, 1899-1905.	0.5	173

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37	Role of the Cytoskeleton in Calcium Signaling in NIH 3T3 Cells. Journal of Biological Chemistry, 1997, 272, 26555-26561.	3.4	168
38	Human Trp3 forms both inositol trisphosphate receptor-dependent and receptor-independent store-operated cation channels in DT40 avian B lymphocytes. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 11777-11782.	7.1	168
39	Actions of inositol phosphates on Ca2+ pools in guinea-pig hepatocytes. Biochemical Journal, 1984, 224, 741-746.	3.7	166
40	Ca2+-store-dependent and -independent reversal of Stim1 localization and function. Journal of Cell Science, 2008, 121, 762-772.	2.0	162
41	Capacitative calcium entry. Journal of Cell Biology, 2005, 169, 381-382.	5.2	159
42	Phosphorylation of STIM1 underlies suppression of store-operated calcium entry during mitosis. Nature Cell Biology, 2009, 11, 1465-1472.	10.3	159
43	Secretagogue-induced phosphoinositide metabolism in human leucocytes. Biochemical Journal, 1984, 222, 307-314.	3.7	157
44	Subcellular distribution of the calcium-storing inositol 1,4,5-trisphosphate-sensitive organelle in rat liver. Possible linkage to the plasma membrane through the actin microfilaments. Biochemical Journal, 1991, 274, 643-650.	3.7	155
45	Recent hypotheses regarding the phosphatidylinositol effect. Life Sciences, 1981, 29, 1183-1194.	4.3	154
46	Capacitative calcium entry in the nervous system. Cell Calcium, 2003, 34, 339-344.	2.4	146
47	Signaling Mechanism for Receptor-activated Canonical Transient Receptor Potential 3 (TRPC3) Channels. Journal of Biological Chemistry, 2003, 278, 16244-16252.	3.4	146
48	New molecular players in capacitative Ca2+ entry. Journal of Cell Science, 2007, 120, 1959-1965.	2.0	142
49	Expression Level of the Canonical Transient Receptor Potential 3 (TRPC3) Channel Determines Its Mechanism of Activation. Journal of Biological Chemistry, 2003, 278, 21649-21654.	3.4	140
50	STIM1 Is a Calcium Sensor Specialized for Digital Signaling. Current Biology, 2009, 19, 1724-1729.	3.9	139
51	Capacitative Calcium Entry. Molecular Biology Intelligence Unit, 1997, , .	0.2	138
52	Intimate Plasma Membraneâ€"ER Interactions Underlie Capacitative Calcium Entry: â€œKissin' Cousinsâ€• Cell, 1999, 99, 5-8.	28.9	137
53	Phospholipase C signaling and calcium influx. Advances in Biological Regulation, 2012, 52, 152-164.	2.3	137
54	Inositol phosphates and cell signaling: new views of InsP5 and InsP6. Trends in Biochemical Sciences, 1993, 18, 53-56.	7.5	136

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55	Type 3 inositol 1,4,5-trisphosphate receptor and capacitative calcium entry. Cell Calcium, 1997, 21, 257-261.	2.4	135
56	alphaâ€Adrenergic, betaâ€adrenergic and cholinergic mechanisms for amylase secretion by rat parotid gland in vitro.. Journal of Physiology, 1976, 260, 351-370.	2.9	133
57	Obligatory Role of Src Kinase in the Signaling Mechanism for TRPC3 Cation Channels. Journal of Biological Chemistry, 2004, 279, 40521-40528.	3.4	132
58	Signaling Pathways Underlying Muscarinic Receptor-induced [Ca2+] Oscillations in HEK293 Cells. Journal of Biological Chemistry, 2001, 276, 5613-5621.	3.4	127
59	Effects of secretagogues on [32P]phosphatidylinositol 4,5-bisphosphate metabolism in the exocrine pancreas. Biochemical Journal, 1983, 212, 483-488.	3.1	123
60	Negative Regulation of TRPC3 Channels by Protein Kinase C-Mediated Phosphorylation of Serine 712. Molecular Pharmacology, 2005, 67, 558-563.	2.3	121
61	Role of the microtubule cytoskeleton in the function of the store-operated Ca2+ channel activator STIM1. Journal of Cell Science, 2007, 120, 3762-3771.	2.0	120
62	Pharmacology of Store-operated Calcium Channels. Molecular Interventions: Pharmacological Perspectives From Biology, Chemistry and Genomics, 2010, 10, 209-218.	3.4	120
63	Complex regulation of the TRPC3, 6 and 7 channel subfamily by diacylglycerol and phosphatidylinositol-4,5-bisphosphate. Cell Calcium, 2008, 43, 506-514.	2.4	114
64	Mechanism of Inhibition of TRPC Cation Channels by 2-Aminoethoxydiphenylborane. Molecular Pharmacology, 2005, 68, 758-762.	2.3	113
65	Cloning and expression of the human transient receptor potential 4 (TRP4) gene: localization and functional expression of human TRP4 and TRP3. Biochemical Journal, 2000, 351, 735-746.	3.7	112
66	Capacitative calcium entry supports calcium oscillations in human embryonic kidney cells. Journal of Physiology, 2005, 562, 697-706.	2.9	110
67	Calcium-mobilizing receptors. Trends in Pharmacological Sciences, 1987, 8, 481-486.	8.7	107
68	Nature of the receptorâ€regulated calcium pool in the rat parotid gland.. Journal of Physiology, 1982, 331, 557-565.	2.9	106
69	Complex functions of phosphatidylinositol 4,5-bisphosphate in regulation of TRPC5 cation channels. Pflugers Archiv European Journal of Physiology, 2009, 457, 757-769.	2.8	105
70	Stable Activation of Single Ca2+ Release-activated Ca2+ Channels in Divalent Cation-free Solutions. Journal of Biological Chemistry, 2001, 276, 1063-1070.	3.4	101
71	Calcium Signaling: Up, Down, Up, Down.... What's the Point?. Science, 1998, 279, 191-192.	12.6	99
72	A guanine nucleotide-dependent regulatory protein couples substance P receptors to phospholipase C in rat parotid gland. Biochemical and Biophysical Research Communications, 1986, 136, 362-368.	2.1	98

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73	Physiological mechanisms of TRPC activation. Pflugers Archiv European Journal of Physiology, 2005, 451, 29-34.	2.8	98
74	Calcium signaling in osteoclasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 979-983.	4.1	98
75	The enigmatic TRPCs: multifunctional cation channels. Trends in Cell Biology, 2004, 14, 282-286.	7.9	97
76	Role of the store-operated calcium entry proteins Stim1 and Orai1 in muscarinic cholinergic receptor-stimulated calcium oscillations in human embryonic kidney cells. Journal of Physiology, 2007, 579, 679-689.	2.9	95
77	Multiple types of calcium channels arising from alternative translation initiation of the Orai1 message. Science Signaling, 2015, 8, ra74.	3.6	94
78	The functions of store-operated calcium channels. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 900-906.	4.1	92
79	Metabolism of inositol phosphates in parotid cells: Implications for the pathway of the phosphoinositide effect and for the possible messenger role of inositol trisphosphate. Life Sciences, 1984, 34, 1347-1355.	4.3	90
80	Homologous desensitization of substance-P-induced inositol polyphosphate formation in rat parotid acinar cells. Biochemical Journal, 1987, 244, 647-653.	3.7	89
81	Phosphoregulation of STIM1 Leads to Exclusion of the Endoplasmic Reticulum from the Mitotic Spindle. Current Biology, 2012, 22, 1487-1493.	3.9	89
82	The Physiological Function of Store-operated Calcium Entry. Neurochemical Research, 2011, 36, 1157-1165.	3.3	87
83	Phospholipase C-Coupled Receptors and Activation of TRPC Channels. Handbook of Experimental Pharmacology, 2007, , 593-614.	1.8	87
84	Cytoplasmic calcium oscillations and storeâ€operated calcium influx. Journal of Physiology, 2008, 586, 3055-3059.	2.9	85
85	Alternative translation initiation gives rise to two isoforms of orai1 with distinct plasma membrane mobilities. Journal of Cell Science, 2012, 125, 4354-61.	2.0	85
86	Receptor regulation of calcium release and calcium permeability in parotid gland cells. Philosophical Transactions of the Royal Society of London Series B, Biological Sciences, 1981, 296, 37-45.	2.3	84
87	Properties of receptor-controlled inositol trisphosphate formation in parotid acinar cells. Biochemical Journal, 1985, 225, 263-266.	3.7	82
88	Essential role of Orai1 store-operated calcium channels in lactation. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 5827-5832.	7.1	82
89	Net calcium fluxes in rat parotid acinar cells. Pflugers Archiv European Journal of Physiology, 1982, 392, 239-243.	2.8	81
90	Secretagogue-induced formation of inositol phosphates in rat exocrine pancreas. Implications for a messenger role for inositol trisphosphate. Biochemical Journal, 1984, 219, 655-659.	3.7	79

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91	Mechanisms of Phospholipase C-Regulated Calcium Entry. Current Molecular Medicine, 2004, 4, 291-301.	1.3	78
92	A Calmodulin/Inositol 1,4,5-Trisphosphate (IP3) Receptor-binding Region Targets TRPC3 to the Plasma Membrane in a Calmodulin/IP3 Receptor-independent Process. Journal of Biological Chemistry, 2003, 278, 25758-25765.	3.4	77
93	Canonical transient receptor potential TRPC7 can function as both a receptor- and store-operated channel in HEK-293 cells. American Journal of Physiology - Cell Physiology, 2004, 287, C1709-C1716.	4.6	77
94	The identity of the calcium-storing, inositol 1,4,5â€"trisphosphate-sensitive organelle in non-muscle cells: calciosome, endoplasmic reticulum â€¦ or both?. Trends in Neurosciences, 1991, 14, 310-314.	8.6	76
95	A calcium/cAMP signaling loop at the ORAI1 mouth drives channel inactivation to shape NFAT induction. Nature Communications, 2019, 10, 1971.	12.8	73
96	Effects of elevated cytoplasmic calcium and protein kinase C on endoplasmic reticulum structure and function in HEK293 cells. Cell Calcium, 2000, 27, 175-185.	2.4	72
97	Relationship between Intracellular Calcium Store Depletion and Calcium Release-activated Calcium Current in a Mast Cell Line (RBL-1). Journal of Biological Chemistry, 1998, 273, 19554-19559.	3.4	71
98	The role of calcium in the receptor mediated control of potassium permeability in the rat lacrimal gland.. Journal of Physiology, 1978, 281, 371-381.	2.9	69
99	Control of calcium channels by membrane receptors in the rat parotid gland.. Journal of Physiology, 1978, 279, 141-151.	2.9	68
100	Size of the inositol 1,4,5-trisphosphate-sensitive calcium pool in guinea-pig hepatocytes. Biochemical Journal, 1985, 232, 435-438.	3.7	68
101	ORAI Calcium Channels. Physiology, 2017, 32, 332-342.	3.1	68
102	Role of the Inositol 1,4,5-Trisphosphate Receptor in Ca2+ Feedback Inhibition of Calcium Release-activated Calcium Current (I crac). Journal of Biological Chemistry, 1999, 274, 32881-32888.	3.4	66
103	Orai1â€mediated calcium entry plays a critical role in osteoclast differentiation and function by regulating activation of the transcription factor NFATc1. FASEB Journal, 2012, 26, 1484-1492.	0.5	63
104	Mutual Antagonism of Calcium Entry by Capacitative and Arachidonic Acid-mediated Calcium Entry Pathways. Journal of Biological Chemistry, 2001, 276, 20186-20189.	3.4	62
105	Regulation of phosphatidate synthesis by secretagogues in parotid acinar cells. Biochemical Journal, 1982, 204, 587-592.	3.1	61
106	Receptor-regulated calcium entry. , 1990, 48, 427-434.		61
107	The relationship of phosphatidylinositol turnover to receptors and calcium-ion channels in rat parotid acinar cells. Biochemical Journal, 1981, 194, 463-468.	3.1	60
108	Differential Effects of Protein Kinase C Activation on Calcium Storage and Capacitative Calcium Entry in NIH 3T3 Cells. Journal of Biological Chemistry, 1996, 271, 21522-21528.	3.4	60

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109	Ca2+ influx and protein scaffolding via TRPC3 sustain PKCÎ² and ERK activation in B cells. Journal of Cell Science, 2010, 123, 927-938.	2.0	60
110	Stimulation of glycogenolysis in hepatocytes by angiotensin II may involve both calcium release and calcium influx. FEBS Letters, 1983, 160, 259-263.	2.8	59
111	Receptor-mediated metabolism of the phosphoinositides and phosphatidic acid in rat lacrimal acinar cells. Biochemical Journal, 1984, 218, 187-195.	3.7	59
112	Isomers of inositol trisphosphate in exocrine pancreas. Biochemical Journal, 1986, 238, 825-829.	3.7	59
113	The Capacitative Model for Receptor-Activated Calcium Entry. Advances in Pharmacology, 1991, 22, 251-269.	2.0	59
114	An inositol 1,4,5-trisphosphate receptor-dependent cation entry pathway in DT40 B lymphocytes. EMBO Journal, 2002, 21, 4531-4538.	7.8	59
115	Dissociation of Regulated Trafficking of TRPC3 Channels to the Plasma Membrane from Their Activation by Phospholipase C. Journal of Biological Chemistry, 2006, 281, 11712-11720.	3.4	59
116	Inositol 1,4,5â€trisphosphate may be a signal for fâ€Metâ€Leuâ€Pheâ€induced intracellular Ca mobilisation in human leucocytes (HLâ€60 cells). FEBS Letters, 1984, 176, 193-196.	2.8	58
117	Cell Type-specific Modes of Feedback Regulation of Capacitative Calcium Entry. Journal of Biological Chemistry, 1996, 271, 14807-14813.	3.4	58
118	A Selective Requirement for Elevated Calcium in DNA Degradation, but Not Early Events in Anti-Fas-induced Apoptosis. Journal of Biological Chemistry, 2000, 275, 30586-30596.	3.4	57
119	Forms and functions of store-operated calcium entry mediators, STIM and Orai. Advances in Biological Regulation, 2018, 68, 88-96.	2.3	57
120	The Role of Canonical Transient Receptor Potential 7 in B-cell Receptor-activated Channels. Journal of Biological Chemistry, 2005, 280, 35346-35351.	3.4	55
121	Cytosolic calcium during contraction of isolated mammalian gastric muscle cells. Science, 1986, 232, 1143-1145.	12.6	53
122	Cloning and expression of the human transient receptor potential 4 (TRP4) gene: localization and functional expression of human TRP4 and TRP3. Biochemical Journal, 2000, 351, 735.	3.7	53
123	Effect of Inositol 1,3,4,5-Tetrakisphosphate on Inositol Trisphosphate-activated Ca2â Signaling in Mouse Lacrimal Acinar Cells. Journal of Biological Chemistry, 1996, 271, 6766-6770.	3.4	52
124	Effects of Ca2+ on phosphoinositide breakdown in exocrine pancreas. Biochemical Journal, 1986, 238, 765-772.	3.7	51
125	Calcium efflux across the plasma membrane of rat parotid acinar cells is unaffected by receptor activation or by the microsomal calcium ATPase inhibitor, thapsigargin. Cell Calcium, 1990, 11, 11-17.	2.4	48
126	An alphaâ€adrenergic receptor mechanism controlling potassium permeability in the rat lacrimal gland acinar cell.. Journal of Physiology, 1978, 281, 359-369.	2.9	47

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127	The relationship between muscarinic receptor binding and ion movements in rat parotid cells.. Journal of Physiology, 1980, 299, 521-531.	2.9	47
128	Î±1 -Adrenergic activation of brown adipocytes leads to an increased formation of inositol polyphosphates. FEBS Letters, 1986, 195, 319-322.	2.8	47
129	Calcium entry signal?. Nature, 1995, 373, 481-482.	27.8	47
130	Alphaâ€adrenergic stimulation of potassium efflux in guineaâ€pig hepatocytes may involve calcium influx and calcium release.. Journal of Physiology, 1984, 346, 395-407.	2.9	46
131	2-Aminoethoxydiphenyl Borane Activates a Novel Calcium-Permeable Cation Channel. Molecular Pharmacology, 2003, 63, 1304-1311.	2.3	46
132	ATP-induced calcium mobilization and inositol 1,4,5-trisphosphate formation in H-35 hepatoma cells. FEBS Letters, 1986, 204, 189-192.	2.8	45
133	Two modes of regulation of the phospholipase C-linked substance-P receptor in rat parotid acinar cells. Biochemical Journal, 1988, 253, 459-466.	3.7	43
134	Calcium influx mechanisms underlying calcium oscillations in rat hepatocytes. Hepatology, 2008, 48, 1273-1281.	7.3	43
135	Role of STIM1- and Orai1-mediated Ca2+ entry in Ca2+-induced epidermal keratinocyte differentiation. Journal of Cell Science, 2013, 126, 605-612.	2.0	43
136	Inositol lipids and cell stimulation in mammalian salivary gland. Cell Calcium, 1982, 3, 369-383.	2.4	42
137	Retrograde regulation of STIM1-Orai1 interaction and store-operated Ca2+ entry by calsequestrin. Scientific Reports, 2015, 5, 11349.	3.3	42
138	Relationship between the calcium-mobilizing action of inositol 1,4,5-trisphosphate in permeable AR4-2J cells and the estimated levels of inositol 1,4,5-trisphosphate in intact AR4-2J cells. Biochemical Journal, 1991, 273, 541-546.	3.7	41
139	Multiscale imaging of basal cell dynamics in the functionally mature mammary gland. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 26822-26832.	7.1	41
140	Metabolism of inositol 1,4,5-trisphosphate in guinea-pig hepatocytes. Biochemical Journal, 1987, 242, 797-802.	3.7	40
141	Native TRPC7 Channel Activation by an Inositol Trisphosphate Receptor-dependent Mechanism. Journal of Biological Chemistry, 2006, 281, 25250-25258.	3.4	40
142	Calcium and receptor regulation of radiosodium uptake by dispersed rat parotid acinar cells.. Journal of Physiology, 1979, 297, 369-377.	2.9	39
143	The Ca2+-mobilizing Actions of a Jurkat Cell Extract on Mammalian Cells and Xenopus laevis Oocytes. Journal of Biological Chemistry, 1995, 270, 8050-8055.	3.4	39
144	Deletion of Orai1 alters expression of multiple genes during osteoclast and osteoblast maturation. Cell Calcium, 2012, 52, 488-500.	2.4	39

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145	Protection of TRPC7 cation channels from calcium inhibition by closely associated SERCA pumps. FASEB Journal, 2006, 20, 503-505.	0.5	38
146	Origins of the concept of store-operated calcium entry. Frontiers in Bioscience - Scholar, 2011, S3, 980.	2.1	37
147	Ca2+-Calmodulin-dependent Facilitation and Ca2+ Inactivation of Ca2+ Release-activated Ca2+ Channels. Journal of Biological Chemistry, 2005, 280, 8776-8783.	3.4	36
148	Cytokine signaling through Drosophila Mthl10 ties lifespan to environmental stress. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13786-13791.	7.1	36
149	Orai1 Plays a Crucial Role in Central Sensitization by Modulating Neuronal Excitability. Journal of Neuroscience, 2018, 38, 887-900.	3.6	36
150	Role of cyclic GMP in the control of capacitative Ca2+ entry in rat pancreatic acinar cells. Biochemical Journal, 1995, 311, 649-656.	3.7	35
151	Low-Voltage-Activated Ca V 3.1 Calcium Channels Shape T Helper Cell Cytokine Profiles. Immunity, 2016, 44, 782-794.	14.3	35
152	Channelling calcium. Nature, 2001, 410, 648-649.	27.8	34
153	Role of the storeâ€operated calcium entry protein, STIM1, in neutrophil chemotaxis and infiltration into a murine model of psoriasisâ€inflamed skin. FASEB Journal, 2015, 29, 3003-3013.	0.5	34
154	Control by calcium of protein discharge and membrane permeability to potassium in the rat lacrimal gland. Life Sciences, 1977, 20, 1905-1912.	4.3	33
155	Role of calcium in the fade of the potassium release response in the rat parotid gland.. Journal of Physiology, 1978, 281, 383-394.	2.9	33
156	Relationship between calcium release and potassium release in rat parotid gland.. Journal of Physiology, 1979, 291, 457-465.	2.9	33
157	Inositol phosphate formation and its relationship to calcium signaling.. Environmental Health Perspectives, 1990, 84, 141-147.	6.0	31
158	Calcium Signaling: Double Duty for Calcium at the Mitochondrial Uniporter. Current Biology, 2006, 16, R812-R815.	3.9	31
159	Does Î²-adrenoceptor activation stimulate Ca2+ mobilization and inositol trisphosphate formation in parotid acinar cells?. Cell Calcium, 1989, 10, 519-525.	2.4	30
160	Role of Orai1 and storeâ€operated calcium entry in mouse lacrimal gland signalling and function. Journal of Physiology, 2014, 592, 927-939.	2.9	29
161	Calcium mobilization by inositol phosphates and other intracellular messengers. Trends in Endocrinology and Metabolism, 1994, 5, 256-260.	7.1	28
162	Effect of Adenophostin A on Ca2+ Entry and Calcium Release-activated Calcium Current (I crac) in Rat Basophilic Leukemia Cells. Journal of Biological Chemistry, 1998, 273, 31815-31821.	3.4	28

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163	Origins of the concept of store-operated calcium entry. Frontiers in Bioscience - Scholar, 2011, S3, 980-984.	2.1	28
164	Calcium Signaling: Deciphering the Calciumâ€"NFAT Pathway. Current Biology, 2012, 22, R87-R89.	3.9	28
165	Mechanisms of activated Ca2+ entry in the rat pancreatoma cell line, AR4-2J. Cell Calcium, 1992, 13, 49-58.	2.4	27
166	Binding of 125Iâ€physalaemin to rat parotid acinar cells.. Journal of Physiology, 1980, 301, 205-212.	2.9	26
167	Presenilins, Alzheimer's Disease, and Capacitative Calcium Entry. Neuron, 2000, 27, 411-412.	8.1	26
168	Alternative Forms of the Store-Operated Calcium Entry Mediators, STIM1 and Orai1. Current Topics in Membranes, 2013, 71, 109-123.	0.9	26
169	Store-Operated Calcium Entry: An Historical Overview. Advances in Experimental Medicine and Biology, 2017, 981, 205-214.	1.6	26
170	Mobilization of Intracellular Calcium by Methacholine and Inositol 1,4,5-Trisphosphate in Rat Parotid Acinar Cells. Journal of Dental Research, 1987, 66, 547-551.	5.2	25
171	Diethylstilbestrol Stimulates Persistent Phosphatidylinositol Lipid Turnover by an Estrogen Receptor-Mediated Mechanism in Immature Mouse Uterus. Endocrinology, 1991, 129, 2423-2430.	2.8	24
172	Adenophostin A Induces Spatially Restricted Calcium Signaling in Xenopus laevis Oocytes. Journal of Biological Chemistry, 1999, 274, 20643-20649.	3.4	24
173	Regulation of store-operated calcium entry during cell division. Biochemical Society Transactions, 2012, 40, 119-123.	3.4	24
174	Persistent inhibition by inositol 1,4,5-trisphosphate of oxalate-dependent 45calcium accumulation in permeable guinea-pig hepatocytes. Cell Calcium, 1988, 9, 9-16.	2.4	22
175	Protein kinase C-dependent and -independent mechanisms regulating the parotid substance P receptor as revealed by differential effects of protein kinase C inhibitors. Biochemical Journal, 1988, 256, 677-680.	3.7	21
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