James W Putney

List of Publications by Year
in descending order

240 papers	26,069 citations	5558 82 h-index	6454 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.	1.1	2,462
2	Store-Operated Calcium Channels. Physiological Reviews, 2005, 85, 757-810.	13.1	1,907
3	Capacitative calcium entry revisited. Cell Calcium, 1990, 11, 611-624.	1.1	1,473
4	The second messenger linking receptor activation to internal Ca release in liver. Nature, 1984, 309, 63-66.	13.7	580
5	The Inositol Phosphate-Calcium Signaling System in Nonexcitable Cells. Endocrine Reviews, 1993, 14, 610-631.	8.9	497
6	Spatial and temporal aspects of cellular calcium signaling. FASEB Journal, 1996, 10, 1505-1517.	0.2	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.	1.6	484
8	Mechanisms of capacitative calcium entry. Journal of Cell Science, 2001, 114, 2223-2229.	1.2	483
9	The signal for capacitative calcium entry. Cell, 1993, 75, 199-201.	13.5	429
10	STIM1 Is a MT-Plus-End-Tracking Protein Involved in Remodeling of the ER. Current Biology, 2008, 18, 177-182.	1.8	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.	7.0	372
12	Capacitative calcium entry channels. BioEssays, 1999, 21, 38-46.	1.2	357
13	Is phosphatidic acid a calcium ionophore under neurohumoral control?. Nature, 1980, 284, 345-347.	13.7	340
14	A saturable receptor for 32P-inositol-l,4,5-trisphosphate in hepatocytes and neutrophils. Nature, 1986, 319, 514-516.	13.7	306
15	Induction of epithelialâ€“mesenchymal transition (EMT) in breast cancer cells is calcium signal dependent. Oncogene, 2014, 33, 2307-2316.	2.6	290
16	The mammalian TRPC cation channels. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 21-36.	1.9	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.	1.7	248
18	Activation and regulation of storeâ€operated calcium entry. Journal of Cellular and Molecular Medicine, 2010, 14, 2337-2349.	1.6	236

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19	Calcium Oscillations. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004226-a004226.	2.3	231
20	Complex Actions of 2-Aminoethyldiphenyl Borate on Store-operated Calcium Entry. Journal of Biological Chemistry, 2008, 283, 19265-19273.	1.6	230
21	Capacitative calcium entry in parotid acinar cells. Biochemical Journal, 1989, 258, 409-412.	1.7	223
22	Comparison of Human TRPC3 Channels in Receptor-activated and Store-operated Modes. Journal of Biological Chemistry, 2002, 277, 21617-21623.	1.6	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.	1.6	220
24	Recent breakthroughs in the molecular mechanism of capacitative calcium entry (with thoughts on) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	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.	1.6	212
26	TRPC channels function independently of STIM1 and Orai1. Journal of Physiology, 2009, 587, 2275-2298.	1.3	207
27	Capacitative calcium entry: from concept to molecules. Immunological Reviews, 2009, 231, 10-22.	2.8	206
28	The TRPC3/6/7 subfamily of cation channels. Cell Calcium, 2003, 33, 451-461.	1.1	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.	1.9	194
30	Activation of Ca2+ entry into acinar cells by a non-phosphorylatable inositol trisphosphate. Nature, 1991, 352, 162-165.	13.7	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.	1.3	189
32	Receptor-mediated net breakdown of phosphatidylinositol 4,5-bisphosphate in parotid acinar cells. Biochemical Journal, 1982, 206, 555-560.	1.7	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.	1.7	181
34	Excitement about calcium signaling in inexcitable cells. Science, 1993, 262, 676-678.	6.0	180
35	Methods for studying store-operated calcium entry. Methods, 2008, 46, 204-212.	1.9	180
36	How do inositol phosphates regulate calcium signaling?. FASEB Journal, 1989, 3, 1899-1905.	0.2	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.	1.6	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.	3.3	168
39	Actions of inositol phosphates on Ca2+ pools in guinea-pig hepatocytes. Biochemical Journal, 1984, 224, 741-746.	1.7	166
40	Ca2+-store-dependent and -independent reversal of Stim1 localization and function. Journal of Cell Science, 2008, 121, 762-772.	1.2	162
41	Capacitative calcium entry. Journal of Cell Biology, 2005, 169, 381-382.	2.3	159
42	Phosphorylation of STIM1 underlies suppression of store-operated calcium entry during mitosis. Nature Cell Biology, 2009, 11, 1465-1472.	4.6	159
43	Secretagogue-induced phosphoinositide metabolism in human leucocytes. Biochemical Journal, 1984, 222, 307-314.	1.7	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.	1.7	155
45	Recent hypotheses regarding the phosphatidylinositol effect. Life Sciences, 1981, 29, 1183-1194.	2.0	154
46	Capacitative calcium entry in the nervous system. Cell Calcium, 2003, 34, 339-344.	1.1	146
47	Signaling Mechanism for Receptor-activated Canonical Transient Receptor Potential 3 (TRPC3) Channels. Journal of Biological Chemistry, 2003, 278, 16244-16252.	1.6	146
48	New molecular players in capacitative Ca2+ entry. Journal of Cell Science, 2007, 120, 1959-1965.	1.2	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.	1.6	140
50	STIM1 Is a Calcium Sensor Specialized for Digital Signaling. Current Biology, 2009, 19, 1724-1729.	1.8	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.	13.5	137
53	Phospholipase C signaling and calcium influx. Advances in Biological Regulation, 2012, 52, 152-164.	1.4	137
54	Inositol phosphates and cell signaling: new views of InsP5 and InsP6. Trends in Biochemical Sciences, 1993, 18, 53-56.	3.7	136

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55	Type 3 inositol 1,4,5-trisphosphate receptor and capacitative calcium entry. Cell Calcium, 1997, 21, 257-261.	1.1	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.	1.3	133
57	Obligatory Role of Src Kinase in the Signaling Mechanism for TRPC3 Cation Channels. Journal of Biological Chemistry, 2004, 279, 40521-40528.	1.6	132
58	Signaling Pathways Underlying Muscarinic Receptor-induced [Ca2+] Oscillations in HEK293 Cells. Journal of Biological Chemistry, 2001, 276, 5613-5621.	1.6	127
59	Effects of secretagogues on [32P]phosphatidylinositol 4,5-bisphosphate metabolism in the exocrine pancreas. Biochemical Journal, 1983, 212, 483-488.	3.2	123
60	Negative Regulation of TRPC3 Channels by Protein Kinase C-Mediated Phosphorylation of Serine 712. Molecular Pharmacology, 2005, 67, 558-563.	1.0	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.	1.2	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.	1.1	114
64	Mechanism of Inhibition of TRPC Cation Channels by 2-Aminoethoxydiphenylborane. Molecular Pharmacology, 2005, 68, 758-762.	1.0	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.	1.7	112
66	Capacitative calcium entry supports calcium oscillations in human embryonic kidney cells. Journal of Physiology, 2005, 562, 697-706.	1.3	110
67	Calcium-mobilizing receptors. Trends in Pharmacological Sciences, 1987, 8, 481-486.	4.0	107
68	Nature of the receptorâ€regulated calcium pool in the rat parotid gland.. Journal of Physiology, 1982, 331, 557-565.	1.3	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.	1.3	105
70	Stable Activation of Single Ca2+ Release-activated Ca2+ Channels in Divalent Cation-free Solutions. Journal of Biological Chemistry, 2001, 276, 1063-1070.	1.6	101
71	Calcium Signaling: Up, Down, Up, Down.... What's the Point?. Science, 1998, 279, 191-192.	6.0	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.	1.0	98

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73	Physiological mechanisms of TRPC activation. Pflugers Archiv European Journal of Physiology, 2005, 451, 29-34.	1.3	98
74	Calcium signaling in osteoclasts. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 979-983.	1.9	98
75	The enigmatic TRPCs: multifunctional cation channels. Trends in Cell Biology, 2004, 14, 282-286.	3.6	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.	1.3	95
77	Multiple types of calcium channels arising from alternative translation initiation of the <i>Orai1</i> message. Science Signaling, 2015, 8, ra74.	1.6	94
78	The functions of store-operated calcium channels. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 900-906.	1.9	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.	2.0	90
80	Homologous desensitization of substance-P-induced inositol polyphosphate formation in rat parotid acinar cells. Biochemical Journal, 1987, 244, 647-653.	1.7	89
81	Phosphoregulation of STIM1 Leads to Exclusion of the Endoplasmic Reticulum from the Mitotic Spindle. Current Biology, 2012, 22, 1487-1493.	1.8	89
82	The Physiological Function of Store-operated Calcium Entry. Neurochemical Research, 2011, 36, 1157-1165.	1.6	87
83	Phospholipase C-Coupled Receptors and Activation of TRPC Channels. Handbook of Experimental Pharmacology, 2007, , 593-614.	0.9	87
84	Cytoplasmic calcium oscillations and storeâ€operated calcium influx. Journal of Physiology, 2008, 586, 3055-3059.	1.3	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.	1.2	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.	2.4	84
87	Properties of receptor-controlled inositol trisphosphate formation in parotid acinar cells. Biochemical Journal, 1985, 225, 263-266.	1.7	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.	3.3	82
89	Net calcium fluxes in rat parotid acinar cells. Pflugers Archiv European Journal of Physiology, 1982, 392, 239-243.	1.3	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.	1.7	79

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91	Mechanisms of Phospholipase C-Regulated Calcium Entry. Current Molecular Medicine, 2004, 4, 291-301.	0.6	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.	1.6	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.	2.1	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.	4.2	76
95	A calcium/cAMP signaling loop at the ORAI1 mouth drives channel inactivation to shape NFAT induction. Nature Communications, 2019, 10, 1971.	5.8	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.	1.1	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.	1.6	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.	1.3	69
99	Control of calcium channels by membrane receptors in the rat parotid gland.. Journal of Physiology, 1978, 279, 141-151.	1.3	68
100	Size of the inositol 1,4,5-trisphosphate-sensitive calcium pool in guinea-pig hepatocytes. Biochemical Journal, 1985, 232, 435-438.	1.7	68
101	ORAI Calcium Channels. Physiology, 2017, 32, 332-342.	1.6	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.	1.6	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.	0.2	63
104	Mutual Antagonism of Calcium Entry by Capacitative and Arachidonic Acid-mediated Calcium Entry Pathways. Journal of Biological Chemistry, 2001, 276, 20186-20189.	1.6	62
105	Regulation of phosphatidate synthesis by secretagogues in parotid acinar cells. Biochemical Journal, 1982, 204, 587-592.	3.2	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.	3.2	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.	1.6	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.	1.2	60
110	Stimulation of glycogenolysis in hepatocytes by angiotensin II may involve both calcium release and calcium influx. FEBS Letters, 1983, 160, 259-263.	1.3	59
111	Receptor-mediated metabolism of the phosphoinositides and phosphatidic acid in rat lacrimal acinar cells. Biochemical Journal, 1984, 218, 187-195.	1.7	59
112	Isomers of inositol trisphosphate in exocrine pancreas. Biochemical Journal, 1986, 238, 825-829.	1.7	59
113	The Capacitative Model for Receptor-Activated Calcium Entry. Advances in Pharmacology, 1991, 22, 251-269.	1.2	59
114	An inositol 1,4,5-trisphosphate receptor-dependent cation entry pathway in DT40 B lymphocytes. EMBO Journal, 2002, 21, 4531-4538.	3.5	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.	1.6	59
116	Inositol 1,4,5-trisphosphate may be a signal for f-Met-Leu-Phe-induced intracellular Ca mobilisation in human leucocytes (HL-60 cells). FEBS Letters, 1984, 176, 193-196.	1.3	58
117	Cell Type-specific Modes of Feedback Regulation of Capacitative Calcium Entry. Journal of Biological Chemistry, 1996, 271, 14807-14813.	1.6	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.	1.6	57
119	Forms and functions of store-operated calcium entry mediators, STIM and Orai. Advances in Biological Regulation, 2018, 68, 88-96.	1.4	57
120	The Role of Canonical Transient Receptor Potential 7 in B-cell Receptor-activated Channels. Journal of Biological Chemistry, 2005, 280, 35346-35351.	1.6	55
121	Cytosolic calcium during contraction of isolated mammalian gastric muscle cells. Science, 1986, 232, 1143-1145.	6.0	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.	1.7	53
123	Effect of Inositol 1,3,4,5-Tetrakisphosphate on Inositol Trisphosphate-activated Ca2âº Signaling in Mouse Lacrimal Acinar Cells. Journal of Biological Chemistry, 1996, 271, 6766-6770.	1.6	52
124	Effects of Ca2+ on phosphoinositide breakdown in exocrine pancreas. Biochemical Journal, 1986, 238, 765-772.	1.7	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.	1.1	48
126	An alphaâ€adrenergic receptor mechanism controlling potassium permeability in the rat lacrimal gland acinar cell.. Journal of Physiology, 1978, 281, 359-369.	1.3	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.	1.3	47
128	Î±1 -Adrenergic activation of brown adipocytes leads to an increased formation of inositol polyphosphates. FEBS Letters, 1986, 195, 319-322.	1.3	47
129	Calcium entry signal?. Nature, 1995, 373, 481-482.	13.7	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.	1.3	46
131	2-Aminoethoxydiphenyl Borane Activates a Novel Calcium-Permeable Cation Channel. Molecular Pharmacology, 2003, 63, 1304-1311.	1.0	46
132	ATP-induced calcium mobilization and inositol 1,4,5-trisphosphate formation in H-35 hepatoma cells. FEBS Letters, 1986, 204, 189-192.	1.3	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.	1.7	43
134	Calcium influx mechanisms underlying calcium oscillations in rat hepatocytes. Hepatology, 2008, 48, 1273-1281.	3.6	43
135	Role of STIM1- and Orai1-mediated Ca2+ entry in Ca2+-induced epidermal keratinocyte differentiation. Journal of Cell Science, 2013, 126, 605-612.	1.2	43
136	Inositol lipids and cell stimulation in mammalian salivary gland. Cell Calcium, 1982, 3, 369-383.	1.1	42
137	Retrograde regulation of STIM1-Orai1 interaction and store-operated Ca2+ entry by calsequestrin. Scientific Reports, 2015, 5, 11349.	1.6	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.	1.7	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.	3.3	41
140	Metabolism of inositol 1,4,5-trisphosphate in guinea-pig hepatocytes. Biochemical Journal, 1987, 242, 797-802.	1.7	40
141	Native TRPC7 Channel Activation by an Inositol Trisphosphate Receptor-dependent Mechanism. Journal of Biological Chemistry, 2006, 281, 25250-25258.	1.6	40
142	Calcium and receptor regulation of radiosodium uptake by dispersed rat parotid acinar cells.. Journal of Physiology, 1979, 297, 369-377.	1.3	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.	1.6	39
144	Deletion of Orai1 alters expression of multiple genes during osteoclast and osteoblast maturation. Cell Calcium, 2012, 52, 488-500.	1.1	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.	0.2	38
146	Origins of the concept of store-operated calcium entry. Frontiers in Bioscience - Scholar, 2011, S3, 980.	0.8	37
147	Ca2+-Calmodulin-dependent Facilitation and Ca2+ Inactivation of Ca2+ Release-activated Ca2+ Channels. Journal of Biological Chemistry, 2005, 280, 8776-8783.	1.6	36
148	Cytokine signaling through <i>Drosophila</i> Mthl10 ties lifespan to environmental stress. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13786-13791.	3.3	36
149	Orai1 Plays a Crucial Role in Central Sensitization by Modulating Neuronal Excitability. Journal of Neuroscience, 2018, 38, 887-900.	1.7	36
150	Role of cyclic GMP in the control of capacitative Ca2+ entry in rat pancreatic acinar cells. Biochemical Journal, 1995, 311, 649-656.	1.7	35
151	Low-Voltage-Activated Ca V 3.1 Calcium Channels Shape T Helper Cell Cytokine Profiles. Immunity, 2016, 44, 782-794.	6.6	35
152	Channelling calcium. Nature, 2001, 410, 648-649.	13.7	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.	0.2	34
154	Control by calcium of protein discharge and membrane permeability to potassium in the rat lacrimal gland. Life Sciences, 1977, 20, 1905-1912.	2.0	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.	1.3	33
156	Relationship between calcium release and potassium release in rat parotid gland.. Journal of Physiology, 1979, 291, 457-465.	1.3	33
157	Inositol phosphate formation and its relationship to calcium signaling.. Environmental Health Perspectives, 1990, 84, 141-147.	2.8	31
158	Calcium Signaling: Double Duty for Calcium at the Mitochondrial Uniporter. Current Biology, 2006, 16, R812-R815.	1.8	31
159	Does Î²-adrenoceptor activation stimulate Ca2+ mobilization and inositol trisphosphate formation in parotid acinar cells?. Cell Calcium, 1989, 10, 519-525.	1.1	30
160	Role of <i>Orai1</i> and storeâ€operated calcium entry in mouse lacrimal gland signalling and function. Journal of Physiology, 2014, 592, 927-939.	1.3	29
161	Calcium mobilization by inositol phosphates and other intracellular messengers. Trends in Endocrinology and Metabolism, 1994, 5, 256-260.	3.1	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.	1.6	28

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163	Origins of the concept of store-operated calcium entry. Frontiers in Bioscience - Scholar, 2011, S3, 980-984.	0.8	28
164	Calcium Signaling: Deciphering the Calciumâ€"NFAT Pathway. Current Biology, 2012, 22, R87-R89.	1.8	28
165	Mechanisms of activated Ca2+ entry in the rat pancreatoma cell line, AR4-2J. Cell Calcium, 1992, 13, 49-58.	1.1	27
166	Binding of 125Iâ€physalaemin to rat parotid acinar cells.. Journal of Physiology, 1980, 301, 205-212.	1.3	26
167	Presenilins, Alzheimer's Disease, and Capacitative Calcium Entry. Neuron, 2000, 27, 411-412.	3.8	26
168	Alternative Forms of the Store-Operated Calcium Entry Mediators, STIM1 and Orai1. Current Topics in Membranes, 2013, 71, 109-123.	0.5	26
169	Store-Operated Calcium Entry: An Historical Overview. Advances in Experimental Medicine and Biology, 2017, 981, 205-214.	0.8	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.	2.5	25
171	Diethylstilbestrol Stimulates Persistent Phosphatidylinositol Lipid Turnover by an Estrogen Receptor-Mediated Mechanism in Immature Mouse Uterus. Endocrinology, 1991, 129, 2423-2430.	1.4	24
172	Adenophostin A Induces Spatially Restricted Calcium Signaling in Xenopus laevis Oocytes. Journal of Biological Chemistry, 1999, 274, 20643-20649.	1.6	24
173	Regulation of store-operated calcium entry during cell division. Biochemical Society Transactions, 2012, 40, 119-123.	1.6	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.	1.1	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.	1.7	21
176	Male infertility in mice lacking the store-operated Ca2+ channel Orai1. Cell Calcium, 2016, 59, 189-197.	1.1	21
177	Ionic mechanisms in secretagogue-induced morphological changes in rat parotid gland.. Journal of Cell Biology, 1983, 97, 1119-1130.	2.3	20
178	Ca2+ mobilization through dorsal root ganglion Ca2+-sensing receptor stably expressed in HEK293 cells. American Journal of Physiology - Cell Physiology, 2007, 292, C1895-C1905.	2.1	19
179	Calcium signaling in lacrimal glands. Cell Calcium, 2014, 55, 290-296.	1.1	19
180	Effect of carbachol on radiosodium uptake by dispersed pancreatic acinar cells. Pflugers Archiv European Journal of Physiology, 1980, 385, 131-136.	1.3	18

#	Article	IF	Citations
181	Inositol polyphosphates and calcium signaling. Molecular and Cellular Neurosciences, 1992, 3, 1-10.	1.0	18
182	Inositol lipids and TRPC channel activation. Biochemical Society Symposia, 2007, 74, 37.	2.7	18
183	Identification in extracts from AR4-2J cells of inositol 1,4,5-trisphosphate by its susceptibility to inositol 1,4,5-trisphosphate 3-kinase and 5-phosphatase. Biochemical Journal, 1990, 269, 195-200.	1.7	17
184	Effect of cytoplasmic Ca2+ on (1,4,S)IP3 formation in vasopressinmactivated hepatocytes. Cell Calcium, 1997, 21, 253-256.	1.1	17
185	Store-Operated Calcium Channels: How Do We Measure Them, and Why Do We Care?. Science Signaling, 2004, 2004, pe37-pe37.	1.6	17
186	Roles of Phospholipid Metabolism in Secretory Cells. , 1982, , 53-105.		17
187	Role of Inositol Phosphates in the Actions of Substance P on NK1Receptors in Exocrine Gl and Cells. Annals of the New York Academy of Sciences, 1991, 632, 94-102.	1.8	16
188	cGMP is not required for capacitative Ca2+ entry in Jurkat T-lymphocytes. Cell Calcium, 1996, 19, 351-354.	1.1	16
189	PLC-Î³: an old player has a new role. Nature Cell Biology, 2002, 4, E280-E281.	4.6	16
190	The Integration of Receptor-Regulated Intracellular Calcium Release and Calcium Entry across the Plasma Membrane. Current Topics in Cellular Regulation, 1990, 31, 111-127.	9.6	16
191	Signalling mechanisms for TRPC3 channels. Novartis Foundation Symposium, 2004, 258, 123-33; discussion 133-9, 155-9, 263-6.	1.2	15
192	On the role of cellular calcium in the response of the parotid to dibutyryl and monobutyryl cyclic AMP. Life Sciences, 1978, 22, 631-638.	2.0	14
193	Inositol lipids and TRPC channel activation. Biochemical Society Symposia, 2007, 74, 37-45.	2.7	14
194	Activation by calcium of membrane channels for potassium in exocrine gland cells. Cell Calcium, 1983, 4, 439-449.	1.1	13
195	Store-operated Ca2+ entry and Ca2+ responses to hypothalamic releasing hormones in anterior pituitary cells from Orai1â^'/â^' and heptaTRPC knockout mice. Biochimica Et Biophysica Acta - Molecular Cell Research, 2019, 1866, 1124-1136.	1.9	13
196	Inositol Phosphate Metabolism and Signal Transduction. The American Review of Respiratory Disease, 1990, 141, S115-S118.	2.9	12
197	Oxygen consumption in the parotid gland. Life Sciences, 1978, 22, 1731-1735.	2.0	11
198	Stimulation of 45CA efflux from rat lacrimal gland slices by carbachol and epinephrine. Life Sciences, 1979, 25, 2211-2215.	2.0	11

#	Article	IF	Citations
199	Calcium Signalling in Lacrimal Acinar Cells. Advances in Experimental Medicine and Biology, 1998, 438, 123-128.	0.8	11
200	Calium, prostaglandins and the phosphatidylinositol effect in exocrine gland cells. Cell Calcium, 1981, 2, 561-571.	1.1	10
201	Retention of nerve terminals in dispersed parotid acinar cells. Life Sciences, 1979, 25, 1017-1021.	2.0	9
202	Effect of carbachol on ouabain-sensitive uptake of 86Rb by dispersed lacrimal gland cells. Life Sciences, 1979, 24, 1119-1123.	2.0	8
203	Receptors and the Inositol Phosphate-Calcium Signaling System. Receptors, 1994, , 257-283.	0.2	8
204	Role of Calcium in the Actions of Agents Affecting Membrane Permeability. , 1978, , 173-194.		8
205	Pharmacology of Store-Operated Calcium Entry Channels. , 2017, , 311-324.		8
206	SOC: now also store-operated cyclase. Nature Cell Biology, 2009, 11, 381-382.	4.6	6
207	TRPC3 amplifies B-cell receptor-induced ERK signalling via protein kinase D-dependent Rap1 activation. Biochemical Journal, 2016, 473, 201-210.	1.7	6
208	Role of calcium in stimulation of 36Cl uptake by dispersed pancreatic acinar cells. Biochemical and Biophysical Research Communications, 1980, 95, 1461-1466.	1.0	5
209	Chapter 30 Relationship between Receptors, Calcium Channels, and Responses in Exocrine Gland Cells. Methods in Cell Biology, 1981, 23, 503-511.	0.5	5
210	General Aspects of Calcium Signaling. Molecular Biology Intelligence Unit, 1997, , 1-52.	0.2	5
211	Phosphoinositides and alpha-1 Adrenergic Receptors. Receptors, 1987, , 189-208.	0.2	4
212	The Inositol Phosphate-Calcium Signalling System in Lacrimal Gland Cells. Advances in Experimental Medicine and Biology, 1994, 350, 115-119.	0.8	4
213	Inositol Phosphate Metabolism and Cellular Signal Transduction. Advances in Experimental Medicine and Biology, 1989, 255, 37-48.	0.8	4
214	Regulation of calcium entry in exocrine gland cells and other epithelial cells. Journal of Medical Investigation, 2009, 56, 362-367.	0.2	4
215	Inositol 1,4,5-trisphosphate 3-kinase activity in high-speed supernatants from rat pancreatoma cells, AR4-2J. Biochemical Journal, 1991, 274, 622-623.	1.7	3
216	Phosphoinositides and Calcium Signaling. , 1987, , 1-38.		3

#	Article	IF	Citations
217	Store-Operated Calcium Channels. , 2010, , 911-914.		2
218	Introduction. Advances in Experimental Medicine and Biology, 2017, 993, 3-13.	0.8	2
219	Capacitative Calcium Entry. Molecular Biology Intelligence Unit, 1997, , 53-75.	0.2	2
220	A G protein couples receptors to phospholipase C in exocrine pancreas and parotid glands. Biochemical Society Transactions, 1986, 14, 1017-1017.	1.6	1
221	Calcium Signaling: Septins Organize the SOC Channel. Current Biology, 2013, 23, R684-R685.	1.8	1
222	A personal journey. Cell Calcium, 2018, 72, 127-131.	1.1	1
223	Fluorescent Indicators â€šÃ„Ã¬ Facts and Artifacts. , 2005, , 51-84.		1
224	Modification of Membrane Function by Drugs. , 1986, , 369-383.		1
225	RECEPTOR CONTROL OF ION FLUXES IN EXOCRINE CELLS. Biochemical Society Transactions, 1981, 9, 33P-33P.	1.6	0
226	Effects of protein kinase C and calcium on receptor-regulated formation of isomers of inositol trisphosphate. Biochemical Society Transactions, 1986, 14, 1018-1018.	1.6	0
227	A Role for G Proteins in the Action of Ca2+-Mobilizing Hormones. Annals of the New York Academy of Sciences, 1987, 494, 162-164.	1.8	0
228	Store operated calcium entry in NIH-3T3 cells. Journal of Medical Investigation, 2009, 56, 381-382.	0.2	0
229	Store-operated Ca2+ Channels. , 2003, , 31-33.		0
230	Inositol Phosphate Signaling. , 2003, , 310-315.		0
231	Trpc3. The AFCS-nature Molecule Pages, 0, , .	0.2	0
232	Multiple Mechanisms of TRPC Activation. Frontiers in Neuroscience, 2006, , 31-43.	0.0	0
233	Trpc7. The AFCS-nature Molecule Pages, 0, , .	0.2	0
234	Trpc6. The AFCS-nature Molecule Pages, 0, , .	0.2	0

#	Article	IF	Citations
235	Modification of Membrane Function by Drugs. , 1987, , 369-383.		0
236	Regulation of Inositol Trisphosphate Formation and Action. , 1988, , 287-302.		0
237	RECEPTOR-REGULATED CALCIUM ENTRY. , 1993, , 255-263.		0
238	The Signal for Capacitative Calcium Entry. Molecular Biology Intelligence Unit, 1997, , 77-121.	0.2	0
239	Physiological, Pharmacological and Pathological Aspects of Capacitative Calcium Entry. Molecular Biology Intelligence Unit, 1997, , 179-205.	0.2	0
240	Electrophysiology and Regulation of Capacitative Calcium Entry. Molecular Biology Intelligence Unit, 1997, , 123-152.	0.2	0