Ernesto Carafoli

List of Publications by Year
in descending order

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390	28,537	4942 84	6979 154
papers	citations	h-index	g-index

409	409	409	14912
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Intracellular Calcium Homeostasis. Annual Review of Biochemistry, 1987, 56, 395-433.	5.0	2,127
2	Ion motive ATPases. I. Ubiquity, properties, and significance to cell function. Trends in Biochemical Sciences, 1987, 12, 146-150.	3.7	966
3	Calcium signaling: A tale for all seasons. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1115-1122.	3.3	726
4	Protein Identification by Mass Profile Fingerprinting. Biochemical and Biophysical Research Communications, 1993, 195, 58-64.	1.0	576
5	Calcium Pumps in Health and Disease. Physiological Reviews, 2009, 89, 1341-1378.	13.1	553
6	Cleavage of the Plasma Membrane Na+/Ca2+ Exchanger in Excitotoxicity. Cell, 2005, 120, 275-285.	13.5	511
7	Neuronal calcium signaling: function and dysfunction. Cellular and Molecular Life Sciences, 2014, 71, 2787-2814.	2.4	501
8	Generation, Control, and Processing of Cellular Calcium Signals. Critical Reviews in Biochemistry and Molecular Biology, 2001, 36, 107-260.	2.3	459
9	Nature and site of phospholamban regulation of the Ca2+ pump of sarcoplasmic reticulum. Nature, 1989, 342, 90-92.	13.7	446
10	Biogenesis: Plasma membrane calcium ATPase: 15 years of work on the purified enzyme ¹. FASEB Journal, 1994, 8, 993-1002.	0.2	391
11	The Interrelations between the Transport of Sodium and Calcium in Mitochondria of Various Mammalian Tissues. FEBS Journal, 1978, 82, 25-31.	0.2	386
12	Calmodulin-binding domains: just two faced or multi-faceted?. Trends in Biochemical Sciences, 1995, 20, 38-42.	3.7	372
13	Calpain: A Protease in Search of a Function?. Biochemical and Biophysical Research Communications, 1998, 247, 193-203.	1.0	352
14	The release of calcium from heart mitochondria by sodium. Journal of Molecular and Cellular Cardiology, 1974, 6, 361-371.	0.9	343
15	The Sodium-Induced Efflux of Calcium from Heart Mitochondria. A Possible Mechanism for the Regulation of Mitochondrial Calcium. FEBS Journal, 1976, 69, 453-462.	0.2	329
16	A survey of the interaction of calcium ions with mitochondria from different tissues and species. Biochemical Journal, 1971, 122, 681-690.	3.2	317
17	The effect of ruthenium red on Ca2+ transport and respiration in rat liver mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1972, 256, 43-54.	0.5	309
18	Why Calcium? How Calcium Became the Best Communicator. Journal of Biological Chemistry, 2016, 291, 20849-20857.	1.6	295

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19	The Regulation of Intracellular Calcium. Current Topics in Membranes and Transport, 1978, , 151-216.	0.6	287
20	An ATP-dependent Ca2+-pumping system in dog heart sarcolemma. Nature, 1980, 283, 765-767.	13.7	282
21	Tissue Distribution of the Four Gene Products of the Plasma Membrane Ca2+ Pump. Journal of Biological Chemistry, 1995, 270, 12184-12190.	1.6	258
22	The Calcium-Induced and Sodium-Induced Effluxes of Calcium from Heart Mitochondria. Evidence for a Sodium-Calcium Carrier. FEBS Journal, 1977, 79, 549-558.	0.2	256
23	Cleavage of plasma membrane calcium pumps by caspases: a link between apoptosis and necrosis. Cell Death and Differentiation, 2002, 9, 818-831.	5.0	247
24	Ion motive ATPases. II. Energy coupling and work output. Trends in Biochemical Sciences, 1987, 12, 186-189.	3.7	241
25	The plasma membrane Ca2+ ATPase of animal cells: Structure, function and regulation. Archives of Biochemistry and Biophysics, 2008, 476, 65-74.	1.4	241
26	Mitochondrial fission and cristae disruption increase the response of cell models of Huntington's disease to apoptotic stimuli. EMBO Molecular Medicine, 2010, 2, 490-503.	3.3	240
27	The Plasma Membrane Ca2+ ATPase and the Plasma Membrane Sodium Calcium Exchanger Cooperate in the Regulation of Cell Calcium. Cold Spring Harbor Perspectives in Biology, 2011, 3, a004168-a004168.	2.3	237
28	Energy-Linked Ion Movements in Mitochondrial Systems. Advances in Enzymology and Related Areas of Molecular Biology, 2006, 29, 259-320.	1.3	225
29	Hydroperoxides can modulate the redox state of pyridine nucleotides and the calcium balance in rat liver mitochondria. Proceedings of the National Academy of Sciences of the United States of America, 1979, 76, 4340-4344.	3.3	221
30	The Steady State Maintenance of Accumulated Ca++ in Rat Liver Mitochondria. Journal of Biological Chemistry, 1965, 240, 2712-2720.	1.6	221
31	The Ca2+-pumping ATPase of plasma membranes purification, reconstitution and properties. Biochimica Et Biophysica Acta - Reviews on Bioenergetics, 1982, 683, 279-301.	0.8	208
32	The Regulation of the Na+ -Ca2+ Exchanger of Heart Sarcolemma. FEBS Journal, 1983, 132, 451-460.	0.2	205
33	Calcium signaling in the cell nucleus. FASEB Journal, 1997, 11, 1091-1109.	0.2	202
34	NMR Solution Structure of a Complex of Calmodulin with a Binding Peptide of the Ca2+Pumpâ€‚â€¡. Biochemistry, 1999, 38, 12320-12332.	1.2	202
35	The calcium cycle of mitochondria. FEBS Letters, 1979, 104, 1-5.	1.3	190
36	THE REGULATION OF INTRACELLULAR CALCIUM BY MITOCHONDRIA. Annals of the New York Academy of Sciences, 1978, 307, 269-284.	1.8	183

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37	The Calcium Signal. Scientific American, 1985, 253, 70-78.	1.0	170
38	The calmodulin binding domain of nitric oxide synthase and adenylyl cyclase. Biochemistry, 1993, 32, 6081-6088.	1.2	169
39	The homeostasis of calcium in heart cells. Journal of Molecular and Cellular Cardiology, 1985, 17, 203-212.	0.9	168
40	Calcium Homeostasis and Mitochondrial Dysfunction in Striatal Neurons of Huntington Disease. Journal of Biological Chemistry, 2008, 283, 5780-5789.	1.6	168
41	Calcineurin controls inositol 1,4,5-trisphosphate type 1 receptor expression in neurons. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 5797-5801.	3.3	163
42	The calmodulinâ€binding site of the plasma membrane Ca²⁺ pump interacts with the transduction domain of the enzyme. Protein Science, 1992, 1, 1613-1621.	3.1	161
43	The Calcium Pumping ATPase of the Plasma Membrane. Annual Review of Physiology, 1991, 53, 531-547.	5.6	160
44	Charge movements during the Na+-Ca2+ exchange in heart sarcolemmal vesicles.. Proceedings of the National Academy of Sciences of the United States of America, 1980, 77, 6354-6358.	3.3	159
45	Calcium and calmodulin function in the cell nucleus. BBA - Biomembranes, 1992, 1113, 259-270.	7.9	150
46	Calcium pumps: structural basis for and mechanism of calcium transmembrane transport. Current Opinion in Chemical Biology, 2000, 4, 152-161.	2.8	147
47	Protein identification in DNA databases by peptide mass fingerprinting. Protein Science, 1994, 3, 1347-1350.	3.1	146
48	Calpain: A Cytosolic Proteinase Active at the Membranes. Journal of Membrane Biology, 1997, 156, 1-8.	1.0	146
49	A lipid requirement for the (Ca2+ + Mg2+)-activated ATPase of erythrocyte membranes. Archives of Biochemistry and Biophysics, 1977, 179, 578-583.	1.4	145
50	Exporting calcium from cells. Cell Calcium, 2005, 38, 281-289.	1.1	145
51	Interaction of calmodulin with the calmodulin binding domain of the plasma membrane calcium pump. Biochemistry, 1990, 29, 355-365.	1.2	144
52	Primary structure of the cAMP-dependent phosphorylation site of the plasma membrane calcium pump. Biochemistry, 1989, 28, 4253-4258.	1.2	142
53	The plasma membrane calcium pump in health and disease. FEBS Journal, 2013, 280, 5385-5397.	2.2	139
54	The plasma membrane calcium pump: Functional domains, regulation of the activity, and tissue specificity of isoform expression. Journal of Neurobiology, 1994, 25, 312-324.	3.7	134

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55	The Fatty Acid Composition of Subcellular Membranes of Rat Liver, Heart, and Brain : Diet-Induced Modifications. FEBS Journal, 1981, 121, 5-13.	0.2	132
56	Historical review: Mitochondria and calcium: ups and downs of an unusual relationship. Trends in Biochemical Sciences, 2003, 28, 175-181.	3.7	132
57	Uptake of Adenine Nucleotides by Respiring Mitochondria during Active Accumulation of Ca++ and Phosphate. Journal of Biological Chemistry, 1965, 240, 2254-2261.	1.6	127
58	Isolation of a soluble Ca2+ binding glycoprotein from ox liver mitochondria. Biochemical and Biophysical Research Communications, 1972, 47, 808-813.	1.0	125
59	Mapping of functional domains in the plasma membrane calcium pump using trypsin proteolysis. Biochemistry, 1990, 29, 8070-8076.	1.2	118
60	A Kinetic Study of the Energy-Linked Influx of Ca2+ into Heart Mitochondria. FEBS Journal, 1976, 69, 429-434.	0.2	117
61	The cardiotoxic antibiotic doxorubicin inhibits the Na+ /Ca2+ exchange of dog heart sarcolemmal vesicles. FEBS Letters, 1981, 130, 184-186.	1.3	116
62	A functional study of plasma-membrane calcium-pump isoform 2 mutants causing digenic deafness. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 1516-1521.	3.3	116
63	Intracellular Calcium Homeostasis and Signaling. Metal Ions in Life Sciences, 2013, 12, 119-168.	2.8	116
64	Small-angle x-ray scattering study of calmodulin bound to two peptides corresponding to parts of the calmodulin-binding domain of the plasma membrane calcium pump. Biochemistry, 1991, 30, 6247-6251.	1.2	114
65	Mutation of plasma membrane Ca ²⁺ ATPase isoform 3 in a family with X-linked congenital cerebellar ataxia impairs Ca ²⁺ homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 14514-14519.	3.3	113
66	A historical review of cellular calcium handling, with emphasis on mitochondria. Biochemistry (Moscow), 2005, 70, 187-194.	0.7	111
67	The effect of ruthenium red on the uptake and release of Ca2+ by mitochondria. Biochemical and Biophysical Research Communications, 1973, 50, 846-852.	1.0	110
68	The Energy-State of Mitochondria during the Transport of Ca2+. FEBS Journal, 1980, 110, 211-216.	0.2	109
69	Identification of two domains which mediate the binding of activating phospholipids to the plasma-membrane Ca2+ pump. FEBS Journal, 1992, 204, 939-946.	0.2	109
70	Effects of PMCA and SERCA pump overexpression on the kinetics of cell Ca2+ signalling. EMBO Journal, 2000, 19, 4926-4935.	3.5	108
71	Ca2+ metabolism in yeast cells and mitochondria. Biochimica Et Biophysica Acta - Bioenergetics, 1970, 205, 18-26.	0.5	106
72	The fateful encounter of mitochondria with calcium: How did it happen?. Biochimica Et Biophysica Acta - Bioenergetics, 2010, 1797, 595-606.	0.5	106

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73	The Plasma Membrane Calcium Pump: New Ways to Look at an Old Enzyme. Journal of Biological Chemistry, 2014, 289, 10261-10268.	1.6	106
74	Calcium in Health and Disease. Metal Ions in Life Sciences, 2013, 13, 81-137.	2.8	105
75	Calcium Uptake in Isolated Hepatic Plasma-Membrane Vesicles. FEBS Journal, 1982, 129, 7-12.	0.2	104
76	The interaction of La3+ with mitochondria in relation to respiration-coupled Ca2+ transport. Archives of Biochemistry and Biophysics, 1971, 143, 506-515.	1.4	103
77	Nicotinic Acid Adenine Dinucleotide Phosphate-induced Ca2+ Release. Journal of Biological Chemistry, 2000, 275, 8301-8306.	1.6	101
78	The Expression of Plasma Membrane Ca2+ Pump Isoforms in Cerebellar Granule Neurons Is Modulated by Ca2+. Journal of Biological Chemistry, 1999, 274, 1667-1676.	1.6	100
79	Ca²⁺, K⁺ Redistributions and Î±â€Adrenergic Activation of Glycogenolysis in Perfused Rat Livers. FEBS Journal, 1980, 106, 241-248.	0.2	96
80	Downstream Regulatory Element Antagonist Modulator Regulates Ca2+ Homeostasis and Viability in Cerebellar Neurons. Journal of Neuroscience, 2005, 25, 10822-10830.	1.7	93
81	The Proton Pump of Cytochrome c Oxidase and Its Stoichiometry. FEBS Journal, 1978, 89, 119-123.	0.2	90
82	The calcium-signalling saga: tap water and protein crystals. Nature Reviews Molecular Cell Biology, 2003, 4, 326-332.	16.1	90
83	A Comparative Functional Analysis of Plasma Membrane Ca2+ Pump Isoforms in Intact Cells. Journal of Biological Chemistry, 2003, 278, 24500-24508.	1.6	90
84	NAADP+initiates the Ca2+response during fertilization of starfish oocytes. FASEB Journal, 2001, 15, 2257-2267.	0.2	87
85	Calmodulin and calmodulin-binding proteins in the nucleus. Cell Calcium, 1994, 16, 289-296.	1.1	86
86	3-(Trifluoromethyl)-3-(m-[125I]iodophenyl)diazirine, a hydrophobic, photoreactive probe, labels calmodulin and calmodulin fragments in a calcium(2+)-dependent way. Biochemistry, 1984, 23, 400-403.	1.2	84
87	Influence of Ca²⁺ and Trifluoperazine on the Structure of Calmodulin. FEBS Journal, 1982, 124, 619-627.	0.2	84
88	Calcineurin Controls the Transcription of Na+/Ca2+ Exchanger Isoforms in Developing Cerebellar Neurons. Journal of Biological Chemistry, 2000, 275, 20903-20910.	1.6	83
89	Is hydroxychloroquine beneficial for COVID-19 patients?. Cell Death and Disease, 2020, 11, 512.	2.7	82
90	Immunolocalization of the plasma membrane Ca2+ pump isoforms in the rat brain. Brain Research, 1997, 748, 21-29.	1.1	81

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91	The plasma membrane calcium pump: Recent developments and future perspectives. Experientia, 1996, 52, 1091-1100.	1.2	80
92	Calcium - a universal carrier of biological signals. FEBS Journal, 2005, 272, 1073-1089.	2.2	80
93	Cation and Anion Balance during Active Accumulation of Ca++ and Mg++ by Isolated Mitochondria. Journal of Biological Chemistry, 1964, 239, 3055-3061.	1.6	77
94	ELECTRON MICROSCOPE STUDIES ON THE ACTIVE ACCUMULATION OF SR++ BY RAT-LIVER MITOCHONDRIA. Journal of Cell Biology, 1966, 29, 37-61.	2.3	74
95	Calcium, protease action, and the regulation of the cell cycle. Cell Calcium, 1998, 23, 123-130.	1.1	74
96	Localization of two genes encoding plasma membrane Ca2+-transporting ATPases to human chromosomes 1q25â€“32 and 12q21â€“23. Genomics, 1991, 9, 629-641.	1.3	73
97	NMR Solution Structure of Phospholamban. Helvetica Chimica Acta, 2000, 83, 2141-2152.	1.0	73
98	Calcium Controls the Transcription of Its Own Transporters and Channels in Developing Neurons. Biochemical and Biophysical Research Communications, 1999, 266, 624-632.	1.0	72
99	History of the COVID-19 pandemic: Origin, explosion, worldwide spreading. Biochemical and Biophysical Research Communications, 2021, 538, 14-23.	1.0	72
100	Expression, Purification, and Characterization of Isoform 1 of the Plasma Membrane Ca2+ Pump. Journal of Biological Chemistry, 2003, 278, 38141-38148.	1.6	71
101	Binding of Cytosolic Proteins to Myofibrils in Ischemic Rat Hearts. Circulation Research, 1996, 78, 821-828.	2.0	70
102	Facilitated nuclear transport of calmodulin in tissue culture cells.. Journal of Cell Biology, 1994, 127, 1527-1536.	2.3	67
103	The plasma membrane calcium pump is the preferred calpain substrate within the erythrocyte. Cell Calcium, 1994, 15, 28-35.	1.1	67
104	Inhibitory Interaction of the 14-3-3Ïµ Protein with Isoform 4 of the Plasma Membrane Ca2+-ATPase Pump. Journal of Biological Chemistry, 2005, 280, 37195-37203.	1.6	67
105	Quantitative Analysis of the Proton and Charge Stoichiometry of Cytochrome c Oxidase from Beef Heart Reconstituted into Phospholipid Vesicles. FEBS Journal, 1980, 111, 299-306.	0.2	65
106	Rearrangement of nuclear calmodulin during proliferative liver cell activation. Biochemical and Biophysical Research Communications, 1988, 150, 1162-1169.	1.0	64
107	Active accumulation of Sr2+ by rat-liver mitochondria III. Stimulation of respiration by Sr2+ and its stoichiometry. Biochimica Et Biophysica Acta - General Subjects, 1965, 97, 107-117.	1.1	63
108	Mitochondria and disease. Molecular Aspects of Medicine, 1980, 3, 295-429.	2.7	63

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109	Active accumulation of Sr2+ by rat-liver mitochondria I. General features. Biochimica Et Biophysica Acta - General Subjects, 1965, 97, 88-98.	1.1	62
110	Interaction of Ca2+ with Blowfly Flight Muscle Mitochondria. Journal of Biological Chemistry, 1971, 246, 964-972.	1.6	62
111	Mitochondria, Ca2+ transport and the regulation of heart contraction and metabolism. Journal of Molecular and Cellular Cardiology, 1975, 7, 83-89.	0.9	59
112	Localization and properties of a high-affinity (Ca2+ + Mg2+)-ATPase in isolated kidney cortex plasma membranes. FEBS Letters, 1982, 144, 226-230.	1.3	59
113	The mitochondrial phosphate carrier reconstituted in liposomes is inhibited by doxorubicin. FEBS Letters, 1983, 159, 123-126.	1.3	59
114	[1] Membrane transport of calcium: An overview. Methods in Enzymology, 1988, 157, 3-11.	0.4	59
115	COVID19: an announced pandemic. Cell Death and Disease, 2020, 11, 799.	2.7	59
116	The resolution of calcium fluxes in heart and liver mitochondria using the lanthanide series. FEBS Letters, 1979, 104, 352-354.	1.3	58
117	Fluorescence energy transfer analysis of calmodulin.cntdot.peptide complexes. Biochemistry, 1992, 31, 12819-12825.	1.2	58
118	Calcineurin Controls the Expression of Isoform 4CII of the Plasma Membrane Ca2+ Pump in Neurons. Journal of Biological Chemistry, 2000, 275, 3706-3712.	1.6	58
119	Calcium-mediated cellular signals: a story of failures. Trends in Biochemical Sciences, 2004, 29, 371-379.	3.7	58
120	Ca2+ Signaling in HEK-293 and Skeletal Muscle Cells Expressing Recombinant Ryanodine Receptors Harboring Malignant Hyperthermia and Central Core Disease Mutations. Journal of Biological Chemistry, 2005, 280, 15380-15389.	1.6	58
121	Microdiversity of human-plasma-membrane calcium-pump isoform 2 generated by alternative RNA splicing in the N-terminal coding region. FEBS Journal, 1992, 205, 333-340.	0.2	57
122	PEST Sequences Do Not Influence Substrate Susceptibility to Calpain Proteolysis. Journal of Biological Chemistry, 1995, 270, 2032-2035.	1.6	57
123	Expression, partial purification and functional properties of themuscle-specific calpain isoform p94. FEBS Journal, 1999, 265, 839-846.	0.2	56
124	The Novel Mouse Mutation Oblivion Inactivates the PMCA2 Pump and Causes Progressive Hearing Loss. PLoS Genetics, 2008, 4, e1000238.	1.5	56
125	Effects of calmodulin on the (Ca2+ + Mg2+)ATPase partially purified from erythrocyte membranes. Archives of Biochemistry and Biophysics, 1979, 198, 124-130.	1.4	55
126	Binding of calcium by calmodulin: influence of the calmodulin binding domain of the plasma membrane calcium pump. Biochemistry, 1992, 31, 3171-3176.	1.2	55

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127	The Novel PMCA2 Pump Mutation Tommy Impairs Cytosolic Calcium Clearance in Hair Cells and Links to Deafness in Mice. Journal of Biological Chemistry, 2010, 285, 37693-37703.	1.6	53
128	Ca2+ transporting activity of membrane fractions isolated from the post-mitochondrial supernatant of rat liver. Cell Calcium, 1982, 3, 263-281.	1.1	52
129	Active accumulation of Sr2+ by rat-liver mitochondria II. Competition between Ca2+ and Sr2+. Biochimica Et Biophysica Acta - General Subjects, 1965, 97, 99-106.	1.1	50
130	The Ca2+-Na+ antiporter of heart mitochondria operates electroneutrally. Biochemical and Biophysical Research Communications, 1980, 95, 193-196.	1.0	50
131	Regulation of the calcium ion pump of sarcoplasmic reticulum: Reversible inhibition by phospholamban and by the calmodulin binding domain of the plasma membrane calcium pump. Biochemistry, 1992, 31, 371-376.	1.2	50
132	The Organization of the Human Gene NCX1 Encoding the Sodiumâ€“Calcium Exchanger. Genomics, 1996, 37, 105-112.	1.3	50
133	Phosphorylation of Calmodulin Alters Its Potency as an Activator of Target Enzymes. Biochemistry, 1998, 37, 6523-6532.	1.2	50
134	Tyrosine phosphorylation modulates the interaction of calmodulin with its target proteins. FEBS Journal, 1999, 262, 790-802.	0.2	49
135	BCG vaccination policy and preventive chloroquine usage: do they have an impact on COVID-19 pandemic?. Cell Death and Disease, 2020, 11, 516.	2.7	49
136	A comparative study of the role of mitochondria and the sarcoplasmic reticulum in the uptake and release of Ca++ by the rat diaphragm. Journal of Cellular Physiology, 1969, 74, 17-29.	2.0	48
137	The interplay of mitochondria with calcium: An historical appraisal. Cell Calcium, 2012, 52, 1-8.	1.1	48
138	Interactions between prostaglandin E1 and calcium at the level of the mitochondrial membrane. Archives of Biochemistry and Biophysics, 1973, 154, 40-46.	1.4	47
139	The anticalmodulin drugs trifluoperazine and R24571 remove the activation of the purified erythrocyte Ca2+-ATPase by acidic phospholipids and by controlled proteolysis. FEBS Letters, 1982, 143, 65-68.	1.3	47
140	Biodiversity loss and COVID-19 pandemic: The role of bats in the origin and the spreading of the disease. Biochemical and Biophysical Research Communications, 2021, 538, 2-13.	1.0	47
141	THE OXIDATION OF EXOGENOUS AND ENDOGENOUS CYTOCHROME C IN MITOCHONDRIA. Journal of Cell Biology, 1969, 40, 602-621.	2.3	46
142	Identification and primary structure of the cardiolipin-binding domain of mitochondrial creatine kinase. FEBS Journal, 1988, 171, 1-9.	0.2	46
143	Study of calmodulin binding to the alternatively spliced C-terminal domain of the plasma membrane calcium pump. Biochemistry, 1992, 31, 11785-11792.	1.2	46
144	Colocalization of the Dihydropyridine Receptor, the Plasma-Membrane Calcium ATPase Isoform 1 and the Sodium/Calcium Exchanger to the Junctional-Membrane Domain of Transverse Tubules of Rabbit Skeletal Muscle. FEBS Journal, 1996, 237, 483-488.	0.2	46

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145	The Role of Inorganic Phosphate in the Release of Ca2+ from Rat-Liver Mitochondria. FEBS Journal, 1980, 110, 319-325.	0.2	45
146	ATP synthesis catalyzed by the purified erythrocyte calcium-ATPase in the absence of calcium gradients. Biochemistry, 1984, 23, 2595-2600.	1.2	45
147	Purification and Reconstitution of the Ca2+-Pumping ATPase of Red Blood Cells. Methods, 1994, 6, 3-10.	1.9	45
148	Neuronal Ca²⁺dyshomeostasis in Huntington disease. Prion, 2013, 7, 76-84.	0.9	45
149	Effects of prostaglandins on the interaction of Ca2+ with mitochondria. Archives of Biochemistry and Biophysics, 1975, 171, 418-423.	1.4	44
150	The plasma membrane calcium pumps: focus on the role in (neuro)pathology. Biochemical and Biophysical Research Communications, 2017, 483, 1116-1124.	1.0	44
151	THE CALCIUM-TRANSPORTING ATPase OF ERYTHROCYTES. Annals of the New York Academy of Sciences, 1982, 402, 304-328.	1.8	43
152	Purified red blood cell Ca2+-pump ATPase: Evidence for direct inhibition by presumed anti-calmodulin drugs in the absence of calmodulin. Cell Calcium, 1982, 3, 545-559.	1.1	43
153	A high-affinity, calmodulin-dependent Ca2+ pump in the basal-lateral plasma membranes of kidney cortex. FEBS Journal, 1983, 136, 71-76.	0.2	43
154	Super-stoichiometric Ratios between Ion Movements and Electron Transport in Rat Liver Mitochondria. Journal of Biological Chemistry, 1967, 242, 1199-1204.	1.6	43
155	Separate pathways for Ca2+uptake and release in liver mitochondria. FEBS Letters, 1978, 96, 339-342.	1.3	42
156	Calcium ATPase in Erythrocytes of Spontaneously Hypertensive Rats of the Milan Strain. Journal of Hypertension, 1985, 3, 645-648.	0.3	42
157	Expression and Functional Characterization of Isoforms 4 of the Plasma Membrane Calcium Pump. Biochemistry, 1996, 35, 7946-7953.	1.2	42
158	The interaction of Ca2+ with mitochondria, with special reference to the structural role of Ca2+ in mitochondrial and other membranes. Molecular and Cellular Biochemistry, 1975, 8, 133-140.	1.4	41
159	The transport of Ca2+in a purified population of inside-out vesicles from rat liver mitochondria. FEBS Letters, 1979, 99, 194-198.	1.3	41
160	Subcellular targeting of the endoplasmic reticulum and plasma membrane Ca 2+ pumps: a study using recombinant chimeras. FASEB Journal, 1995, 9, 670-680.	0.2	41
161	A Novel Mutation in Isoform 3 of the Plasma Membrane Ca2+ Pump Impairs Cellular Ca2+ Homeostasis in a Patient with Cerebellar Ataxia and Laminin Subunit 1Î± Mutations. Journal of Biological Chemistry, 2015, 290, 16132-16141.	1.6	41
162	The transport of calcium by mitochondria. Problems and perspectives. Biochimie, 1973, 55, 755-762.	1.3	40

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163	The Ca2+-pumping ATPase and the major substrates of the cGMP-dependent protein kinase in smooth muscle sarcolemma are distinct entities. FEBS Journal, 1988, 172, 7-16.	0.2	40
164	The Calmodulin-binding Domain of the Inducible (Macrophage) Nitric Oxide Synthase. FEBS Journal, 1995, 233, 701-708.	0.2	40
165	Calmodulin in the membrane transport of Ca++. Cell Calcium, 1981, 2, 353-363.	1.1	39
166	Remdesivir: From Ebola to COVID-19. Biochemical and Biophysical Research Communications, 2021, 538, 145-150.	1.0	39
167	Rebounds and Oscillations in Respiration-linked Movements of Ca++ and H+ in Rat Liver Mitochondria. Journal of Biological Chemistry, 1966, 241, 2644-2652.	1.6	39
168	Dicyclohexylcarbodiimide Does not Inhibit Proton Pumping by Cytochrome c Oxidase of Paracoccus denitrificans. FEBS Journal, 1983, 134, 33-37.	0.2	38
169	Calmodulin-dependent protein phosphorylation and calcium uptake in rat-liver microsomes. FEBS Journal, 1984, 141, 15-20.	0.2	38
170	Mutation of Conserved Residues in Transmembrane Domains 4, 6, and 8 Causes Loss of Ca2+Transport by the Plasma Membrane Ca2+Pumpâ€. Biochemistry, 1996, 35, 3290-3296.	1.2	38
171	Interactions of a mitochondrial Ca2+-binding glycoprotein with lipid bilayer membranes. FEBS Letters, 1974, 45, 99-103.	1.3	37
172	Localization of two genes encoding plasma membrane Ca²⁺ ATPases isoforms 2 (ATP2B2) and 3 (ATP2B3) to human chromosomes 3p26→p25 and Xq28, respectively. Cytogenetic and Genome Research, 1994, 67, 41-45.	0.6	37
173	Ca2+ dysfunction in neurodegenerative disorders: Alzheimer's disease. BioFactors, 2011, 37, 189-196.	2.6	37
174	The interaction of Ca2+ with mitochondria from human myometrium. Archives of Biochemistry and Biophysics, 1977, 182, 657-666.	1.4	36
175	Molecular and cellular biology of plasma membrane calcium ATPase. Trends in Cardiovascular Medicine, 1993, 3, 177-184.	2.3	36
176	Isolation and Characterization of a Stable Chinese Hamster Ovary Cell Line Overexpressing the Plasma Membrane Ca2+-ATPase. Journal of Biological Chemistry, 1995, 270, 14643-14650.	1.6	36
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