

Ernesto Carafoli

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385
papers

25,111
citations

81
h-index

145
g-index

407
ext. papers

26,417
ext. citations

5.6
avg. IF

7.09
L-index

#	Paper	IF	Citations
385	Intracellular calcium homeostasis. <i>Annual Review of Biochemistry</i> , 1987 , 56, 395-433	29.1	1949
384	Ion motive ATPases. I. Ubiquity, properties, and significance to cell function. <i>Trends in Biochemical Sciences</i> , 1987 , 12, 146-150	10.3	878
383	Calcium signaling: a tale for all seasons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1115-22	11.5	643
382	Protein identification by mass profile fingerprinting. <i>Biochemical and Biophysical Research Communications</i> , 1993 , 195, 58-64	3.4	524
381	Cleavage of the plasma membrane Na ⁺ /Ca ²⁺ exchanger in excitotoxicity. <i>Cell</i> , 2005 , 120, 275-85	56.2	464
380	Calcium pumps in health and disease. <i>Physiological Reviews</i> , 2009 , 89, 1341-78	47.9	458
379	Nature and site of phospholamban regulation of the Ca ²⁺ pump of sarcoplasmic reticulum. <i>Nature</i> , 1989 , 342, 90-2	50.4	415
378	Generation, control, and processing of cellular calcium signals. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2001 , 36, 107-260	8.7	392
377	Biogenesis: Plasma membrane calcium ATPase: 15 years of work on the purified enzyme ¹ . <i>FASEB Journal</i> , 1994 , 8, 993-1002	0.9	365
376	The interrelations between the transport of sodium and calcium in mitochondria of various mammalian tissues. <i>FEBS Journal</i> , 1978 , 82, 25-31		354
375	Calmodulin-binding domains: just two faced or multi-faceted?. <i>Trends in Biochemical Sciences</i> , 1995 , 20, 38-42	10.3	351
374	Calpain: a protease in search of a function?. <i>Biochemical and Biophysical Research Communications</i> , 1998 , 247, 193-203	3.4	333
373	The release of calcium from heart mitochondria by sodium. <i>Journal of Molecular and Cellular Cardiology</i> , 1974 , 6, 361-71	5.8	312
372	The Sodium-Induced Efflux of Calcium from Heart Mitochondria. <i>FEBS Journal</i> , 1976 , 69, 453-462		305
371	Neuronal calcium signaling: function and dysfunction. <i>Cellular and Molecular Life Sciences</i> , 2014 , 71, 2787-814	8.14	298
370	A survey of the interaction of calcium ions with mitochondria from different tissues and species. <i>Biochemical Journal</i> , 1971 , 122, 681-90		290
369	The effect of ruthenium red on Ca ²⁺ transport and respiration in rat liver mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1972 , 256, 43-54	4.6	283

368	An ATP-dependent Ca ²⁺ -pumping system in dog heart sarcolemma. <i>Nature</i> , 1980 , 283, 765-7	50.4	261
367	The Regulation of Intracellular Calcium. <i>Current Topics in Membranes and Transport</i> , 1978 , 151-216		240
366	The calcium-induced and sodium-induced effluxes of calcium from heart mitochondria. Evidence for a sodium-calcium carrier. <i>FEBS Journal</i> , 1977 , 79, 549-58		233
365	Tissue distribution of the four gene products of the plasma membrane Ca ²⁺ pump. A study using specific antibodies. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12184-90	5.4	228
364	Ion motive ATPases. II. Energy coupling and work output. <i>Trends in Biochemical Sciences</i> , 1987 , 12, 186-189	20.3	220
363	Cleavage of plasma membrane calcium pumps by caspases: a link between apoptosis and necrosis. <i>Cell Death and Differentiation</i> , 2002 , 9, 818-31	12.7	219
362	Hydroperoxides can modulate the redox state of pyridine nucleotides and the calcium balance in rat liver mitochondria. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1979 , 76, 4340-4	11.5	213
361	The plasma membrane Ca ²⁺ ATPase of animal cells: structure, function and regulation. <i>Archives of Biochemistry and Biophysics</i> , 2008 , 476, 65-74	4.1	212
360	Mitochondrial fission and cristae disruption increase the response of cell models of Huntington [®] disease to apoptotic stimuli. <i>EMBO Molecular Medicine</i> , 2010 , 2, 490-503	12	201
359	Why Calcium? How Calcium Became the Best Communicator. <i>Journal of Biological Chemistry</i> , 2016 , 291, 20849-20857	5.4	196
358	Calcium signaling in the cell nucleus. <i>FASEB Journal</i> , 1997 , 11, 1091-1109	0.9	187
357	The Ca ²⁺ -pumping ATPase of plasma membranes. Purification, reconstitution and properties. <i>Biochimica Et Biophysica Acta - Reviews on Bioenergetics</i> , 1982 , 683, 279-301		186
356	The regulation of the Na ⁺ -Ca ²⁺ exchanger of heart sarcolemma. <i>FEBS Journal</i> , 1983 , 132, 451-60		183
355	NMR solution structure of a complex of calmodulin with a binding peptide of the Ca ²⁺ pump. <i>Biochemistry</i> , 1999 , 38, 12320-32	3.2	182
354	The calcium cycle of mitochondria. <i>FEBS Letters</i> , 1979 , 104, 1-5	3.8	180
353	The regulation of intracellular calcium by mitochondria. <i>Annals of the New York Academy of Sciences</i> , 1978 , 307, 269-84	6.5	169
352	The plasma membrane Ca ²⁺ ATPase and the plasma membrane sodium calcium exchanger cooperate in the regulation of cell calcium. <i>Cold Spring Harbor Perspectives in Biology</i> , 2011 , 3,	10.2	167
351	Energy-linked ion movements in mitochondrial systems. <i>Advances in Enzymology and Related Areas of Molecular Biology</i> , 1967 , 29, 259-320		161

350	The calmodulin binding domain of nitric oxide synthase and adenylyl cyclase. <i>Biochemistry</i> , 1993 , 32, 6081-8	3.2	156
349	Charge movements during the Na ⁺ -Ca ²⁺ exchange in heart sarcolemmal vesicles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1980 , 77, 6354-8	11.5	154
348	The Steady State Maintenance of Accumulated Ca ⁺⁺ in Rat Liver Mitochondria. <i>Journal of Biological Chemistry</i> , 1965 , 240, 2712-2720	5.4	153
347	Calcineurin controls inositol 1,4,5-trisphosphate type 1 receptor expression in neurons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999 , 96, 5797-801	11.5	152
346	The calmodulin-binding site of the plasma membrane Ca ²⁺ pump interacts with the transduction domain of the enzyme. <i>Protein Science</i> , 1992 , 1, 1613-21	6.3	152
345	The homeostasis of calcium in heart cells. <i>Journal of Molecular and Cellular Cardiology</i> , 1985 , 17, 203-12	5.8	152
344	The calcium pumping ATPase of the plasma membrane. <i>Annual Review of Physiology</i> , 1991 , 53, 531-47	23.1	148
343	Calcium homeostasis and mitochondrial dysfunction in striatal neurons of Huntington disease. <i>Journal of Biological Chemistry</i> , 2008 , 283, 5780-9	5.4	144
342	Interaction of calmodulin with the calmodulin binding domain of the plasma membrane Ca ²⁺ pump. <i>Biochemistry</i> , 1990 , 29, 355-65	3.2	138
341	The calcium signal. <i>Scientific American</i> , 1985 , 253, 70-8	0.5	136
340	Calcium and calmodulin function in the cell nucleus. <i>BBA - Biomembranes</i> , 1992 , 1113, 259-70		134
339	Calpain: a cytosolic proteinase active at the membranes. <i>Journal of Membrane Biology</i> , 1997 , 156, 1-8	2.3	133
338	Primary structure of the cAMP-dependent phosphorylation site of the plasma membrane calcium pump. <i>Biochemistry</i> , 1989 , 28, 4253-8	3.2	133
337	A lipid requirement for the (Ca ²⁺ + Mg ²⁺)-activated ATPase of erythrocyte membranes. <i>Archives of Biochemistry and Biophysics</i> , 1977 , 179, 578-83	4.1	131
336	Calcium pumps: structural basis for and mechanism of calcium transmembrane transport. <i>Current Opinion in Chemical Biology</i> , 2000 , 4, 152-61	9.7	130
335	Protein identification in DNA databases by peptide mass fingerprinting. <i>Protein Science</i> , 1994 , 3, 1347-50	6.3	129
334	Exporting calcium from cells. <i>Cell Calcium</i> , 2005 , 38, 281-9	4	126
333	The plasma membrane calcium pump: functional domains, regulation of the activity, and tissue specificity of isoform expression. <i>Journal of Neurobiology</i> , 1994 , 25, 312-24		125

332	Historical review: mitochondria and calcium: ups and downs of an unusual relationship. <i>Trends in Biochemical Sciences</i> , 2003 , 28, 175-81	10.3	119
331	The fatty acid composition of subcellular membranes of rat liver, heart, and brain: diet-induced modifications. <i>FEBS Journal</i> , 1981 , 121, 5-13		119
330	Isolation of a soluble Ca ²⁺ binding glycoprotein from ox liver mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 1972 , 47, 808-13	3.4	115
329	Mapping of functional domains in the plasma membrane Ca ²⁺ pump using trypsin proteolysis. <i>Biochemistry</i> , 1990 , 29, 8070-6	3.2	111
328	The cardiotoxic antibiotic doxorubicin inhibits the Na ⁺ /Ca ²⁺ exchange of dog heart sarcolemmal vesicles. <i>FEBS Letters</i> , 1981 , 130, 184-6	3.8	109
327	A Kinetic Study of the Energy-Linked Influx of Ca ²⁺ into Heart Mitochondria. <i>FEBS Journal</i> , 1976 , 69, 429-434		108
326	The plasma membrane calcium pump in health and disease. <i>FEBS Journal</i> , 2013 , 280, 5385-97	5.7	107
325	A functional study of plasma-membrane calcium-pump isoform 2 mutants causing digenic deafness. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 1516-21	11.5	104
324	The energy-state of mitochondria during the transport of Ca ²⁺ . <i>FEBS Journal</i> , 1980 , 110, 211-6		103
323	Calcium uptake in isolated hepatic plasma-membrane vesicles. <i>FEBS Journal</i> , 1982 , 129, 7-12		102
322	The effect of ruthenium red on the uptake and release of Ca ²⁺ by mitochondria. <i>Biochemical and Biophysical Research Communications</i> , 1973 , 50, 846-52	3.4	99
321	Small-angle X-ray scattering study of calmodulin bound to two peptides corresponding to parts of the calmodulin-binding domain of the plasma membrane Ca ²⁺ pump. <i>Biochemistry</i> , 1991 , 30, 6247-51	3.2	98
320	Uptake of Adenine Nucleotides by Respiring Mitochondria during Active Accumulation of Ca ⁺⁺ and Phosphate. <i>Journal of Biological Chemistry</i> , 1965 , 240, 2254-2261	5.4	96
319	A historical review of cellular calcium handling, with emphasis on mitochondria. <i>Biochemistry (Moscow)</i> , 2005 , 70, 187-94	2.9	94
318	Effects of PMCA and SERCA pump overexpression on the kinetics of cell Ca(2+) signalling. <i>EMBO Journal</i> , 2000 , 19, 4926-35	13	94
317	Mutation of plasma membrane Ca ²⁺ ATPase isoform 3 in a family with X-linked congenital cerebellar ataxia impairs Ca ²⁺ homeostasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 14514-9	11.5	93
316	The interaction of La ³⁺ with mitochondria in relation to respiration-coupled Ca ²⁺ transport. <i>Archives of Biochemistry and Biophysics</i> , 1971 , 143, 506-15	4.1	93
315	Identification of two domains which mediate the binding of activating phospholipids to the plasma-membrane Ca ²⁺ pump. <i>FEBS Journal</i> , 1992 , 204, 939-46		92

314	The fateful encounter of mitochondria with calcium: how did it happen?. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2010 , 1797, 595-606	4.6	91
313	The plasma membrane calcium pump: new ways to look at an old enzyme. <i>Journal of Biological Chemistry</i> , 2014 , 289, 10261-10268	5.4	89
312	Ca ²⁺ metabolism in yeast cells and mitochondria. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1970 , 205, 18-26	4.6	89
311	Ca ²⁺ , K ⁺ redistributions and alpha-adrenergic activation of glycogenolysis in perfused rat livers. <i>FEBS Journal</i> , 1980 , 106, 241-8		88
310	Nicotinic acid adenine dinucleotide phosphate-induced Ca(2+) release. Interactions among distinct Ca(2+) mobilizing mechanisms in starfish oocytes. <i>Journal of Biological Chemistry</i> , 2000 , 275, 8301-6	5.4	87
309	The expression of plasma membrane Ca ²⁺ pump isoforms in cerebellar granule neurons is modulated by Ca ²⁺ . <i>Journal of Biological Chemistry</i> , 1999 , 274, 1667-76	5.4	87
308	A comparative functional analysis of plasma membrane Ca ²⁺ pump isoforms in intact cells. <i>Journal of Biological Chemistry</i> , 2003 , 278, 24500-8	5.4	86
307	NAADP ⁺ initiates the Ca ²⁺ response during fertilization of starfish oocytes. <i>FASEB Journal</i> , 2001 , 15, 2257-67	0.9	84
306	The proton pump of cytochrome c oxidase and its stoichiometry. <i>FEBS Journal</i> , 1978 , 89, 119-23		82
305	The calcium-signalling saga: tap water and protein crystals. <i>Nature Reviews Molecular Cell Biology</i> , 2003 , 4, 326-32	48.7	81
304	Downstream regulatory element antagonist modulator regulates Ca ²⁺ homeostasis and viability in cerebellar neurons. <i>Journal of Neuroscience</i> , 2005 , 25, 10822-30	6.6	81
303	Calmodulin and calmodulin-binding proteins in the nucleus. <i>Cell Calcium</i> , 1994 , 16, 289-96	4	81
302	Immunolocalization of the plasma membrane Ca ²⁺ pump isoforms in the rat brain. <i>Brain Research</i> , 1997 , 748, 21-9	3.7	76
301	Calcineurin controls the transcription of Na ⁺ /Ca ²⁺ exchanger isoforms in developing cerebellar neurons. <i>Journal of Biological Chemistry</i> , 2000 , 275, 20903-10	5.4	76
300	Calcium in health and disease. <i>Metal Ions in Life Sciences</i> , 2013 , 13, 81-137	2.6	75
299	3-(Trifluoromethyl)-3-(m-[¹²⁵ I]iodophenyl)diazirine, a hydrophobic, photoreactive probe, labels calmodulin and calmodulin fragments in a Ca ²⁺ -dependent way. <i>Biochemistry</i> , 1984 , 23, 400-3	3.2	74
298	Intracellular calcium homeostasis and signaling. <i>Metal Ions in Life Sciences</i> , 2013 , 12, 119-68	2.6	73
297	The plasma membrane calcium pump: recent developments and future perspectives. <i>Experientia</i> , 1996 , 52, 1091-100		71

296	Calcium, protease action, and the regulation of the cell cycle. <i>Cell Calcium</i> , 1998 , 23, 123-30	4	70
295	Calcium--a universal carrier of biological signals. Delivered on 3 July 2003 at the Special FEBS Meeting in Brussels. <i>FEBS Journal</i> , 2005 , 272, 1073-89	5.7	67
294	Influence of Ca ²⁺ and trifluoperazine on the structure of calmodulin. A 1H-nuclear magnetic resonance study. <i>FEBS Journal</i> , 1982 , 124, 619-27		67
293	NMR Solution Structure of Phospholamban. <i>Helvetica Chimica Acta</i> , 2000 , 83, 2141-2152	2	66
292	Electron microscope studies on the active accumulation of Sr ⁺⁺ by rat-liver mitochondria. <i>Journal of Cell Biology</i> , 1966 , 29, 37-61	7.3	66
291	The plasma membrane calcium pump is the preferred calpain substrate within the erythrocyte. <i>Cell Calcium</i> , 1994 , 15, 28-35	4	65
290	Localization of two genes encoding plasma membrane Ca ²⁺ (+)-transporting ATPases to human chromosomes 1q25-32 and 12q21-23. <i>Genomics</i> , 1991 , 9, 629-41	4.3	65
289	Binding of cytosolic proteins to myofibrils in ischemic rat hearts. <i>Circulation Research</i> , 1996 , 78, 821-8	15.7	64
288	Facilitated nuclear transport of calmodulin in tissue culture cells. <i>Journal of Cell Biology</i> , 1994 , 127, 1527-36		63
287	Expression, purification, and characterization of isoform 1 of the plasma membrane Ca ²⁺ pump: focus on calpain sensitivity. <i>Journal of Biological Chemistry</i> , 2003 , 278, 38141-8	5.4	62
286	Rearrangement of nuclear calmodulin during proliferative liver cell activation. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 150, 1162-9	3.4	62
285	Quantitative analysis of the proton and charge stoichiometry of cytochrome c oxidase from beef heart reconstituted into phospholipid vesicles. <i>FEBS Journal</i> , 1980 , 111, 299-306		62
284	Calcium controls the transcription of its own transporters and channels in developing neurons. <i>Biochemical and Biophysical Research Communications</i> , 1999 , 266, 624-32	3.4	61
283	ACTIVE ACCUMULATION OF SR ²⁺ BY RAT-LIVER MITOCHONDRIA. 3. STIMULATION OF RESPIRATION BY SR ²⁺ AND ITS STOICHIOMETRY. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1965 , 97, 107-17	4	60
282	ACTIVE ACCUMULATION OF SR ²⁺ BY RAT-LIVER MITOCHONDRIA. I. GENERAL FEATURES. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1965 , 97, 88-98	4	60
281	Cation and Anion Balance during Active Accumulation of Ca ⁺⁺ and Mg ⁺⁺ by Isolated Mitochondria. <i>Journal of Biological Chemistry</i> , 1964 , 239, 3055-3061	5.4	59
280	Inhibitory interaction of the 14-3-3{epsilon} protein with isoform 4 of the plasma membrane Ca ²⁺ -ATPase pump. <i>Journal of Biological Chemistry</i> , 2005 , 280, 37195-203	5.4	58
279	Is hydroxychloroquine beneficial for COVID-19 patients?. <i>Cell Death and Disease</i> , 2020 , 11, 512	9.8	57

278	Mitochondria and disease. <i>Molecular Aspects of Medicine</i> , 1980 , 3, 295-429	16.7	57
277	Calcium-mediated cellular signals: a story of failures. <i>Trends in Biochemical Sciences</i> , 2004 , 29, 371-9	10.3	56
276	Localization and properties of a high-affinity (Ca ²⁺ + Mg ²⁺)-ATPase in isolated kidney cortex plasma membranes. <i>FEBS Letters</i> , 1982 , 144, 226-30	3.8	56
275	Fluorescence energy transfer analysis of calmodulin-peptide complexes. <i>Biochemistry</i> , 1992 , 31, 12819-25	5.2	54
274	The mitochondrial phosphate carrier reconstituted in liposomes is inhibited by doxorubicin. <i>FEBS Letters</i> , 1983 , 159, 123-6	3.8	54
273	The novel mouse mutation Oblivion inactivates the PMCA2 pump and causes progressive hearing loss. <i>PLoS Genetics</i> , 2008 , 4, e1000238	6	53
272	Expression, partial purification and functional properties of the muscle-specific calpain isoform p94. <i>FEBS Journal</i> , 1999 , 265, 839-46		52
271	PEST sequences do not influence substrate susceptibility to calpain proteolysis. <i>Journal of Biological Chemistry</i> , 1995 , 270, 2032-5	5.4	52
270	Effects of calmodulin on the (Ca ²⁺ + Mg ²⁺)-ATPase partially purified from erythrocyte membranes. <i>Archives of Biochemistry and Biophysics</i> , 1979 , 198, 124-30	4.1	52
269	Mitochondria, Ca ²⁺ transport and the regulation of heart contraction and metabolism. <i>Journal of Molecular and Cellular Cardiology</i> , 1975 , 7, 83-7	5.8	52
268	The novel PMCA2 pump mutation Tommy impairs cytosolic calcium clearance in hair cells and links to deafness in mice. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37693-703	5.4	51
267	Microdiversity of human-plasma-membrane calcium-pump isoform 2 generated by alternative RNA splicing in the N-terminal coding region. <i>FEBS Journal</i> , 1992 , 205, 333-40		51
266	Membrane transport of calcium: an overview. <i>Methods in Enzymology</i> , 1988 , 157, 3-11	1.7	51
265	Calcineurin controls the expression of isoform 4CII of the plasma membrane Ca ²⁺ pump in neurons. <i>Journal of Biological Chemistry</i> , 2000 , 275, 3706-12	5.4	50
264	The resolution of calcium fluxes in heart and liver mitochondria using the lanthanide series. <i>FEBS Letters</i> , 1979 , 104, 352-4	3.8	50
263	The organization of the human gene NCX1 encoding the sodium-calcium exchanger. <i>Genomics</i> , 1996 , 37, 105-12	4.3	48
262	Binding of calcium by calmodulin: influence of the calmodulin binding domain of the plasma membrane calcium pump. <i>Biochemistry</i> , 1992 , 31, 3171-6	3.2	48
261	The Ca ²⁺ -Na ⁺ antiporter of heart mitochondria operates electroneutrally. <i>Biochemical and Biophysical Research Communications</i> , 1980 , 95, 193-6	3.4	47

260	Ca ²⁺ transporting activity of membrane fractions isolated from the post-mitochondrial supernatant of rat liver. <i>Cell Calcium</i> , 1982 , 3, 263-81	4	47
259	ACTIVE ACCUMULATION OF SR ²⁺ BY RAT-LIVER MITOCHONDRIA. II. COMPETITION BETWEEN CA ²⁺ AND SR ²⁺ . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1965 , 97, 99-106	4	47
258	Phosphorylation of calmodulin alters its potency as an activator of target enzymes. <i>Biochemistry</i> , 1998 , 37, 6523-32	3.2	46
257	Tyrosine phosphorylation modulates the interaction of calmodulin with its target proteins. <i>FEBS Journal</i> , 1999 , 262, 790-802		45
256	The role of inorganic phosphate in the release of Ca ²⁺ from rat-liver mitochondria. <i>FEBS Journal</i> , 1980 , 110, 319-25		45
255	The anticalmodulin drugs trifluoperazine and R24571 remove the activation of the purified erythrocyte Ca ²⁺ -ATPase by acidic phospholipids and by controlled proteolysis. <i>FEBS Letters</i> , 1982 , 143, 65-8	3.8	45
254	Regulation of the calcium ion pump of sarcoplasmic reticulum: reversible inhibition by phospholamban and by the calmodulin binding domain of the plasma membrane calcium ion pump. <i>Biochemistry</i> , 1992 , 31, 371-6	3.2	44
253	Identification and primary structure of the cardiolipin-binding domain of mitochondrial creatine kinase. <i>FEBS Journal</i> , 1988 , 171, 1-9		44
252	ATP synthesis catalyzed by the purified erythrocyte Ca-ATPase in the absence of calcium gradients. <i>Biochemistry</i> , 1984 , 23, 2595-600	3.2	44
251	The oxidation of exogenous and endogenous cytochrome C in mitochondria. A biochemical and ultrastructural study. <i>Journal of Cell Biology</i> , 1969 , 40, 602-21	7.3	44
250	A comparative study of the role of mitochondria and the sarcoplasmic reticulum in the uptake and release of Ca ⁺⁺ by the rat diaphragm. <i>Journal of Cellular Physiology</i> , 1969 , 74, 17-30	7	44
249	Interactions between prostaglandin E 1 and calcium at the level of the mitochondrial membrane. <i>Archives of Biochemistry and Biophysics</i> , 1973 , 154, 40-6	4.1	44
248	Purification and Reconstitution of the Ca ²⁺ -Pumping ATPase of Red Blood Cells. <i>Methods</i> , 1994 , 6, 3-10	4.6	43
247	Study of calmodulin binding to the alternatively spliced C-terminal domain of the plasma membrane Ca ²⁺ pump. <i>Biochemistry</i> , 1992 , 31, 11785-92	3.2	43
246	Interaction of Ca ²⁺ with Blowfly Flight Muscle Mitochondria. <i>Journal of Biological Chemistry</i> , 1971 , 246, 964-972	5.4	43
245	Purified red blood cell Ca ²⁺ -pump ATPase: evidence for direct inhibition by presumed anti-calmodulin drugs in the absence of calmodulin. <i>Cell Calcium</i> , 1982 , 3, 545-59	4	42
244	Separate pathways for Ca ²⁺ uptake and release in liver mitochondria. <i>FEBS Letters</i> , 1978 , 96, 339-42	3.8	42
243	The interplay of mitochondria with calcium: an historical appraisal. <i>Cell Calcium</i> , 2012 , 52, 1-8	4	41

242	The transport of Ca ²⁺ in a purified population of inside-out vesicles from rat liver mitochondria. <i>FEBS Letters</i> , 1979 , 99, 194-8	3.8	41
241	A high-affinity, calmodulin-dependent Ca ²⁺ pump in the basal-lateral plasma membranes of kidney cortex. <i>FEBS Journal</i> , 1983 , 136, 71-6		41
240	The interaction of Ca ²⁺ with mitochondria, with special reference to the structural role of Ca ²⁺ in mitochondrial and other membranes. <i>Molecular and Cellular Biochemistry</i> , 1975 , 8, 133-40	4.2	41
239	Effects of prostaglandins on the interaction of Ca ²⁺ with mitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1975 , 171, 418-23	4.1	41
238	Subcellular targeting of the endoplasmic reticulum and plasma membrane Ca ²⁺ pumps: a study using recombinant chimeras. <i>FASEB Journal</i> , 1995 , 9, 670-80	0.9	40
237	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. <i>FEBS Journal</i> , 1996 , 237, 483-8		40
236	BCG vaccination policy and preventive chloroquine usage: do they have an impact on COVID-19 pandemic?. <i>Cell Death and Disease</i> , 2020 , 11, 516	9.8	39
235	Expression and functional characterization of isoforms 4 of the plasma membrane calcium pump. <i>Biochemistry</i> , 1996 , 35, 7946-53	3.2	39
234	The transport of calcium by mitochondria. Problems and perspectives. <i>Biochimie</i> , 1973 , 55, 755-62	4.6	38
233	Ca ²⁺ signaling in HEK-293 and skeletal muscle cells expressing recombinant ryanodine receptors harboring malignant hyperthermia and central core disease mutations. <i>Journal of Biological Chemistry</i> , 2005 , 280, 15380-9	5.4	37
232	Calcium ATPase in erythrocytes of spontaneously hypertensive rats of the Milan strain. <i>Journal of Hypertension</i> , 1985 , 3, 645-8	1.9	37
231	Calmodulin in the membrane transport of Ca ⁺⁺ . <i>Cell Calcium</i> , 1981 , 2, 353-63	4	37
230	The interaction of Ca ²⁺ with mitochondria from human myometrium. <i>Archives of Biochemistry and Biophysics</i> , 1977 , 182, 657-66	4.1	36
229	A Novel Mutation in Isoform 3 of the Plasma Membrane Ca ²⁺ Pump Impairs Cellular Ca ²⁺ Homeostasis in a Patient with Cerebellar Ataxia and Laminin Subunit 1 Mutations. <i>Journal of Biological Chemistry</i> , 2015 , 290, 16132-41	5.4	35
228	The plasma membrane calcium pumps: focus on the role in (neuro)pathology. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 483, 1116-1124	3.4	35
227	The calmodulin-binding domain of the inducible (macrophage) nitric oxide synthase. <i>FEBS Journal</i> , 1995 , 233, 701-8		35
226	Calmodulin-dependent protein phosphorylation and calcium uptake in rat-liver microsomes. <i>FEBS Journal</i> , 1984 , 141, 15-20		35
225	Interactions of a mitochondrial Ca ²⁺ -binding glycoprotein with lipid bilayer membranes. <i>FEBS Letters</i> , 1974 , 45, 99-103	3.8	35

224	Neuronal Ca(2+) dyshomeostasis in Huntington disease. <i>Prion</i> , 2013 , 7, 76-84	2.3	34
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