Ernesto Carafoli

List of Publications by Year in Descending Order

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	Obituary for Dr. William Lennarz.. *Biochemical and Biophysical Research Communications*, **2022**, 600, 51-53	3.4	
384	Chloroquine and hydroxychloroquine in the prophylaxis and therapy of COVID-19 infection. *Biochemical and Biophysical Research Communications*, **2021**, 538, 156-162	3.4	4
383	History of the COVID-19 pandemic: Origin, explosion, worldwide spreading. *Biochemical and Biophysical Research Communications*, **2021**, 538, 14-23	3.4	24
382	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	3.4	24
381	Remdesivir: From Ebola to COVID-19. *Biochemical and Biophysical Research Communications*, **2021**, 538, 145-150	3.4	18
380	BCG vaccination policy and preventive chloroquine usage: do they have an impact on COVID-19 pandemic?. *Cell Death and Disease*, **2020**, 11, 516	9.8	39
379	Is hydroxychloroquine beneficial for COVID-19 patients?. *Cell Death and Disease*, **2020**, 11, 512	9.8	57
378	COVID19: an announced pandemic. *Cell Death and Disease*, **2020**, 11, 799	9.8	23
377	For love of BBRC. *Biochemical and Biophysical Research Communications*, **2019**, 520, 659-665	3.4	1
376	A V1143F mutation in the neuronal-enriched isoform 2 of the PMCA pump is linked with ataxia. *Neurobiology of Disease*, **2018**, 115, 157-166	7.5	10
375	The PMCA pumps in genetically determined neuronal pathologies. *Neuroscience Letters*, **2018**, 663, 2-11	3.3	12
374	Mammalian Calcium Pumps in Health and Disease **2018**, 49-59		
373	The complex structure of the creativity process. *Rendiconti Lincei*, **2017**, 28, 449-462	1.7	
372	A novel PMCA3 mutation in an ataxic patient with hypomorphic phosphomannomutase 2 (PMM2) heterozygote mutations: Biochemical characterization of the pump defect. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 3303-3312	6.9	13
371	The plasma membrane calcium pumps: focus on the role in (neuro)pathology. *Biochemical and Biophysical Research Communications*, **2017**, 483, 1116-1124	3.4	35
370	The ataxia related G1107D mutation of the plasma membrane Ca ATPase isoform 3 affects its interplay with calmodulin and the autoinhibition process. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2017**, 1863, 165-173	6.9	16
369	Why Calcium? How Calcium Became the Best Communicator. *Journal of Biological Chemistry*, **2016**, 291, 20849-20857	5.4	196

368	The Plasma Membrane Ca(2+) ATPase: Purification by Calmodulin Affinity Chromatography, and Reconstitution of the Purified Protein. *Methods in Molecular Biology*, **2016**, 1377, 57-70	1.4	4
367	The creativity process: freedom and constraints. *Rendiconti Lincei*, **2016**, 27, 413-425	1.7	1
366	Calcium Handling by Endoplasmic Reticulum and Mitochondria in a Cell Model of Huntington Disease. *PLOS Currents*, **2016**, 8,		7
365	The Plasma Membrane Calcium ATPase: Historical Appraisal and Some New Concepts **2016**, 3-11		0
364	Spontaneous shaker rat mutant - a new model for X-linked tremor/ataxia. *DMM Disease Models and Mechanisms*, **2016**, 9, 553-62	4.1	14
363	Research funding: Reform oversight of Italy science funds. *Nature*, **2016**, 533, 179	50.4	
362	Historical perspective: An interview of Vladimir Skulachev by Ernesto Carafoli. *Biochemical and Biophysical Research Communications*, **2016**, 479, 411-416	3.4	
361	Historical perspective: An interview with renowned Immunologist Dr. Michael Sela. *Biochemical and Biophysical Research Communications*, **2015**, 464, 376-8	3.4	
360	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 1 Mutations. *Journal of Biological Chemistry*, **2015**, 290, 16132-41	5.4	35
359	Scientific misconduct: the dark side of science. *Rendiconti Lincei*, **2015**, 26, 369-382	1.7	11
358	Neuronal calcium signaling: function and dysfunction. *Cellular and Molecular Life Sciences*, **2014**, 71, 2787-814	6.3	298
357	Brain science and human culture. *Rendiconti Lincei*, **2014**, 25, 275-276	1.7	11
356	Discussion forum on mitochondrial calcium. Historical introduction. *Biochemical and Biophysical Research Communications*, **2014**, 449, 365-6	3.4	3
355	Mammalian Calcium Pumps in Health and Disease **2014**, 43-53		2
354	The plasma membrane calcium pump: new ways to look at an old enzyme. *Journal of Biological Chemistry*, **2014**, 289, 10261-10268	5.4	89
353	On beauty and truth in art and science. *Rendiconti Lincei*, **2013**, 24, 67-88	1.7	2
352	An interview by Dr. Ernesto Carafoli with Dr. Gottfried Schatz. *Biochemical and Biophysical Research Communications*, **2013**, 434, 411-2	3.4	
351	An interview of Dr. Ernesto Carafoli with Charles Weissmann. *Biochemical and Biophysical Research Communications*, **2013**, 440, 461-2	3.4	

350	Neuronal Ca(2+) dyshomeostasis in Huntington disease. *Prion*, **2013**, 7, 76-84	2.3	34
349	Intracellular calcium homeostasis and signaling. *Metal Ions in Life Sciences*, **2013**, 12, 119-68	2.6	73
348	The plasma membrane calcium pump in health and disease. *FEBS Journal*, **2013**, 280, 5385-97	5.7	107
347	Plasma membrane calcium ATPases and related disorders. *International Journal of Biochemistry and Cell Biology*, **2013**, 45, 753-62	5.6	24
346	Amarcord: I remember. *Journal of Biological Chemistry*, **2013**, 288, 25668-25682	5.4	1
345	Special issue focused on the International Symposium on Biology and Translational Aspects of Neurodegeneration at Venice, Italy, March 2012. *Prion*, **2013**, 7, 1-1	2.3	7
344	Calcium in health and disease. *Metal Ions in Life Sciences*, **2013**, 13, 81-137	2.6	75
343	Calcium pumps: why so many?. *Comprehensive Physiology*, **2012**, 2, 1045-60	7.7	28
342	Introduction to thematic minireview series on calcium. *Journal of Biological Chemistry*, **2012**, 287, 31623	5.4	1
341	Mutation of plasma membrane Ca2+ ATPase isoform 3 in a family with X-linked congenital cerebellar ataxia impairs Ca2+ homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 14514-9	11.5	93
340	Crystal structure of sarcoplasmic reticulum Ca2+-ATPase (SERCA) from bovine muscle. *Journal of Structural Biology*, **2012**, 178, 38-44	3.4	29
339	Hair cells, plasma membrane Ca□+ ATPase and deafness. *International Journal of Biochemistry and Cell Biology*, **2012**, 44, 679-83	5.6	20
338	Perspectives in neuroaesthetics foreword. *Rendiconti Lincei*, **2012**, 23, 225-226	1.7	0
337	Reduced Mid1 Expression and Delayed Neuromotor Development in daDREAM Transgenic Mice. *Frontiers in Molecular Neuroscience*, **2012**, 5, 58	6.1	7
336	The interplay of mitochondria with calcium: an historical appraisal. *Cell Calcium*, **2012**, 52, 1-8	4	41
335	Ca2+-activated nucleotidase 1, a novel target gene for the transcriptional repressor DREAM (downstream regulatory element antagonist modulator), is involved in protein folding and degradation. *Journal of Biological Chemistry*, **2012**, 287, 18478-91	5.4	10
334	Pitfalls in the detection of cholesterol in Huntington disease models. *PLOS Currents*, **2012**, 4, e505886e9a1968		82
333	Mutations in PMCA2 and hereditary deafness: a molecular analysis of the pump defect. *Cell Calcium* , **2011**, 50, 569-76	4	25

332	The plasma membrane Ca□+ ATPase and the plasma membrane sodium calcium exchanger cooperate in the regulation of cell calcium. *Cold Spring Harbor Perspectives in Biology*, **2011**, 3,	10.2	167
331	Ca2+ dysfunction in neurodegenerative disorders: Alzheimer☹ disease. *BioFactors*, **2011**, 37, 189-96	6.1	32
330	The plasma membrane calcium pump in the hearing process: physiology and pathology. *Science China Life Sciences*, **2011**, 54, 686-90	8.5	14
329	Calcium Pumps **2010**, 943-947		1
328	Plasma membrane Ca2+-ATPase overexpression depletes both mitochondrial and endoplasmic reticulum Ca2+ stores and triggers apoptosis in insulin-secreting BRIN-BD11 cells. *Journal of Biological Chemistry*, **2010**, 285, 30634-43	5.4	27
327	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, 37693-703	5.4	51
326	Deletions and mutations in the acidic lipid-binding region of the plasma membrane Ca2+ pump: a study on different splicing variants of isoform 2. *Journal of Biological Chemistry*, **2010**, 285, 30779-91	5.4	19
325	The fateful encounter of mitochondria with calcium: how did it happen?. *Biochimica Et Biophysica Acta - Bioenergetics*, **2010**, 1797, 595-606	4.6	91
324	Mitochondrial fission and cristae disruption increase the response of cell models of Huntington☹ disease to apoptotic stimuli. *EMBO Molecular Medicine*, **2010**, 2, 490-503	12	201
323	Calcium pumps in health and disease. *Physiological Reviews*, **2009**, 89, 1341-78	47.9	458
322	A proteomic study of calpain-3 and its involvement in limb girdle muscular dystrophy type 2a. *Cell Calcium*, **2009**, 46, 356-63	4	8
321	Science and art: biology and psychology of creativity. *Rendiconti Lincei*, **2009**, 20, 177-197	1.7	1
320	Scientific and Artistic Creativity: In Search of Unifying Analogies **2009**, 239-264		1
319	Inhibitory interaction of the 14-3-3 proteins with ubiquitous (PMCA1) and tissue-specific (PMCA3) isoforms of the plasma membrane Ca2+ pump. *Cell Calcium*, **2008**, 43, 550-61	4	30
318	The plasma membrane Ca2+ ATPase of animal cells: structure, function and regulation. *Archives of Biochemistry and Biophysics*, **2008**, 476, 65-74	4.1	212
317	Interplay of the Ca2+-binding protein DREAM with presenilin in neuronal Ca2+ signaling. *Journal of Biological Chemistry*, **2008**, 283, 27494-27503	5.4	21
316	Calcium homeostasis and mitochondrial dysfunction in striatal neurons of Huntington disease. *Journal of Biological Chemistry*, **2008**, 283, 5780-9	5.4	144
315	The novel mouse mutation Oblivion inactivates the PMCA2 pump and causes progressive hearing loss. *PLoS Genetics*, **2008**, 4, e1000238	6	53

314	Calcium and signal transduction. *Biochemistry and Molecular Biology Education*, **2008**, 36, 175-80	1.3	13
313	The unusual history and unique properties of the calcium signal. *New Comprehensive Biochemistry*, **2007**, 3-22		7
312	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, 1516-21	11.5	104
311	The plasma membrane calcium pump. *New Comprehensive Biochemistry*, **2007**, 179-197		7
310	Plasma-membrane calcium pumps and hereditary deafness. *Biochemical Society Transactions*, **2007**, 35, 913-8	5.1	9
309	The role of phosphorylation on the structure and dynamics of phospholamban: a model from molecular simulations. *Proteins: Structure, Function and Bioinformatics*, **2007**, 66, 930-40	4.2	26
308	Inhibitory interaction of the plasma membrane Na+/Ca2+ exchangers with the 14-3-3 proteins. *Journal of Biological Chemistry*, **2006**, 281, 19645-54	5.4	21
307	Cleavage of the plasma membrane Na+/Ca2+ exchanger in excitotoxicity. *Cell*, **2005**, 120, 275-85	56.2	464
306	Calcium--a universal carrier of biological signals. Delivered on 3 July 2003 at the Special FEBS Meeting in Brussels. *FEBS Journal*, **2005**, 272, 1073-89	5.7	67
305	Exporting calcium from cells. *Cell Calcium*, **2005**, 38, 281-9	4	126
304	A historical review of cellular calcium handling, with emphasis on mitochondria. *Biochemistry (Moscow)*, **2005**, 70, 187-94	2.9	94
303	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, 15380-9	5.4	37
302	Inhibitory interaction of the 14-3-3{epsilon} protein with isoform 4 of the plasma membrane Ca(2+)-ATPase pump. *Journal of Biological Chemistry*, **2005**, 280, 37195-203	5.4	58
301	Downstream regulatory element antagonist modulator regulates Ca2+ homeostasis and viability in cerebellar neurons. *Journal of Neuroscience*, **2005**, 25, 10822-30	6.6	81
300	Calcium-mediated cellular signals: a story of failures. *Trends in Biochemical Sciences*, **2004**, 29, 371-9	10.3	56
299	Plasma Membrane Calcium Pumps **2004**, 211-233		1
298	Calcium signaling: a historical account. *Biological Research*, **2004**, 37, 497-505	7.6	7
297	Historical review: mitochondria and calcium: ups and downs of an unusual relationship. *Trends in Biochemical Sciences*, **2003**, 28, 175-81	10.3	119

296	The Regulation of the Calcium Signal by Membrane Pumps. *Helvetica Chimica Acta*, **2003**, 86, 3875-3888	2	4
295	Control of the Na+/Ca2+ exchanger 3 promoter by cyclic adenosine monophosphate and Ca2+ in differentiating neurons. *Journal of Neurochemistry*, **2003**, 84, 282-93	6	21
294	The calcium-signalling saga: tap water and protein crystals. *Nature Reviews Molecular Cell Biology*, **2003**, 4, 326-32	48.7	81
293	Expression, purification, and characterization of isoform 1 of the plasma membrane Ca2+ pump: focus on calpain sensitivity. *Journal of Biological Chemistry*, **2003**, 278, 38141-8	5.4	62
292	A comparative functional analysis of plasma membrane Ca2+ pump isoforms in intact cells. *Journal of Biological Chemistry*, **2003**, 278, 24500-8	5.4	86
291	Calcium Pumps **2003**, 57-61		
290	The gene promoter of human Na+/Ca2+ exchanger isoform 3 (SLC8A3) is controlled by cAMP and calcium. *Annals of the New York Academy of Sciences*, **2002**, 976, 282-4	6.5	5
289	A study of the activity of the plasma membrane Na/Ca exchanger in the cellular environment. *Annals of the New York Academy of Sciences*, **2002**, 976, 376-81	6.5	4
288	A structural model of the complex formed by phospholamban and the calcium pump of sarcoplasmic reticulum obtained by molecular mechanics. *ChemBioChem*, **2002**, 3, 1200-8	3.8	31
287	Cleavage of plasma membrane calcium pumps by caspases: a link between apoptosis and necrosis. *Cell Death and Differentiation*, **2002**, 9, 818-31	12.7	219
286	Calcium signaling: a tale for all seasons. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 1115-22	11.5	643
285	Differential membrane targeting of the SERCA and PMCA calcium pumps: experiments with recombinant chimeras. *FASEB Journal*, **2002**, 16, 519-28	0.9	9
284	Recombinant expression of the plasma membrane Na(+)/Ca(2+) exchanger affects local and global Ca(2+) homeostasis in Chinese hamster ovary cells. *Journal of Biological Chemistry*, **2002**, 277, 38693-9	5.4	13
283	The human SLC8A3 gene and the tissue-specific Na+/Ca2+ exchanger 3 isoforms. *Gene*, **2002**, 298, 1-7	3.8	21
282	Synthesis and purification of unphosphorylated and phosphorylated Phospholamban **2002**, 709-710		
281	NAADP+ initiates the Ca2+ response during fertilization of starfish oocytes. *FASEB Journal*, **2001**, 15, 2257-67	0.9	84
280	Generation, control, and processing of cellular calcium signals. *Critical Reviews in Biochemistry and Molecular Biology*, **2001**, 36, 107-260	8.7	392
279	NMR Solution Structure of Phospholamban. *Helvetica Chimica Acta*, **2000**, 83, 2141-2152	2	66

278	Characterization of L-carnitine transport into rat skeletal muscle plasma membrane vesicles. *FEBS Journal*, **2000**, 267, 1985-94		26
277	The N-terminal portion of the main cytosolic loop mediates K+ sensitivity in the retinal rod Na+/Ca2+-K+-exchanger. *FEBS Journal*, **2000**, 267, 2461-72		7
276	Calcium signalling, coming of age. *FEBS Journal*, **2000**, 267, 5268		
275	Calcium pumps: structural basis for and mechanism of calcium transmembrane transport. *Current Opinion in Chemical Biology*, **2000**, 4, 152-61	9.7	130
274	Effects of PMCA and SERCA pump overexpression on the kinetics of cell Ca(2+) signalling. *EMBO Journal*, **2000**, 19, 4926-35	13	94
273	Calcineurin controls the expression of isoform 4CII of the plasma membrane Ca(2+) pump in neurons. *Journal of Biological Chemistry*, **2000**, 275, 3706-12	5.4	50
272	Single amino acid mutations in transmembrane domain 5 confer to the plasma membrane Ca2+ pump properties typical of the Ca2+ pump of endo(sarco)plasmic reticulum. *Journal of Biological Chemistry*, **2000**, 275, 31361-8	5.4	29
271	Affinity purification of mu-calpain from erythrocytes on an immobilized peptide from the plasma membrane calcium pump. Some studies on erythrocyte mu-calpain. *Methods in Molecular Biology*, **2000**, 144, 41-6	1.4	1
270	Nicotinic acid adenine dinucleotide phosphate-induced Ca(2+) release. Interactions among distinct Ca(2+) mobilizing mechanisms in starfish oocytes. *Journal of Biological Chemistry*, **2000**, 275, 8301-6	5.4	87
269	Calcineurin controls the transcription of Na+/Ca2+ exchanger isoforms in developing cerebellar neurons. *Journal of Biological Chemistry*, **2000**, 275, 20903-10	5.4	76
268	Breakdown of cytoskeletal proteins during meiosis of starfish oocytes and proteolysis induced by calpain. *Experimental Cell Research*, **2000**, 259, 117-26	4.2	25
267	The Na+/Ca2+ Exchanger: Structural Aspects, Function and Regulation **2000**, 173-188		2
266	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, 5797-801	11.5	152
265	Identification and functional expression of the plasma membrane calcium ATPase gene family from Caenorhabditis elegans. *Journal of Biological Chemistry*, **1999**, 274, 4254-8	5.4	13
264	The expression of plasma membrane Ca2+ pump isoforms in cerebellar granule neurons is modulated by Ca2+. *Journal of Biological Chemistry*, **1999**, 274, 1667-76	5.4	87
263	Expression, partial purification and functional properties of themuscle-specific calpain isoform p94. *FEBS Journal*, **1999**, 265, 839-46		52
262	Tyrosine phosphorylation modulates the interaction of calmodulin with its target proteins. *FEBS Journal*, **1999**, 262, 790-802		45
261	Plasma membrane calcium ATPase isoforms in astrocytes. *Glia*, **1999**, 28, 150-155	9	30

260	NMR solution structure of a complex of calmodulin with a binding peptide of the Ca2+ pump. *Biochemistry*, **1999**, 38, 12320-32	3.2	182
259	Calcium controls the transcription of its own transporters and channels in developing neurons. *Biochemical and Biophysical Research Communications*, **1999**, 266, 624-32	3.4	61
258	Microinjection of Ca2+ store-enriched microsome fractions to dividing newt eggs induces extra-cleavage furrows via inositol 1,4,5-trisphosphate-induced Ca2+ release. *Developmental Biology*, **1999**, 214, 160-7	3.1	13
257	Serine/threonine phosphorylation of calmodulin modulates its interaction with the binding domains of target enzymes. *Biochemical Journal*, **1999**, 344, 403-411	3.8	16
256	Serine/threonine phosphorylation of calmodulin modulates its interaction with the binding domains of target enzymes. *Biochemical Journal*, **1999**, 344, 403	3.8	12
255	Calcium, protease action, and the regulation of the cell cycle. *Cell Calcium*, **1998**, 23, 123-30	4	70
254	Phosphorylation of calmodulin alters its potency as an activator of target enzymes. *Biochemistry*, **1998**, 37, 6523-32	3.2	46
253	Calpain: a protease in search of a function?. *Biochemical and Biophysical Research Communications*, **1998**, 247, 193-203	3.4	333
252	The effect of ethanol on the plasma membrane calcium pump is isoform-specific. *Journal of Biological Chemistry*, **1998**, 273, 29811-5	5.4	20
251	A novel molecular determinant for cAMP-dependent regulation of the frog heart Na+-Ca2+ exchanger. *Journal of Biological Chemistry*, **1998**, 273, 18819-25	5.4	21
250	Cloning of the multipartite promoter of the sodium-calcium exchanger gene NCX1 and characterization of its activity in vascular smooth muscle cells. *Journal of Biological Chemistry*, **1998**, 273, 7643-9	5.4	30
249	Plasma membrane calcium pump: structure, function, and relationships **1998**, 85-88		
248	Functional properties of recombinant calpain I and of mutants lacking domains III and IV of the catalytic subunit. *Journal of Biological Chemistry*, **1997**, 272, 25802-8	5.4	22
247	Calcium signaling in the cell nucleus. *FASEB Journal*, **1997**, 11, 1091-1109	0.9	187
246	Subcellular and tissue distribution, partial purification, and sequencing of calmodulin-stimulated Ca2+-transporting ATPases from barley (Hordeum vulgare L.) and tobacco (Nicotiana tabacum). *FEBS Journal*, **1997**, 244, 31-8		11
245	Purification of the cardiac sarcoplasmic reticulum membrane protein phospholamban from recombinant Escherichia coli. *FEBS Journal*, **1997**, 248, 814-9		5
244	Immunolocalization of the plasma membrane Ca2+ pump isoforms in the rat brain. *Brain Research*, **1997**, 748, 21-9	3.7	76
243	Calpain: a cytosolic proteinase active at the membranes. *Journal of Membrane Biology*, **1997**, 156, 1-8	2.3	133

242	The Plasma Membrane Calcium Pump **1997**, 73-84		
241	Regulation of Calcium Signalling in Cells **1997**, 1-15		2
240	A new splicing variant in the frog heart sarcolemmal Na-Ca exchanger creates a putative ATP-binding site. *Annals of the New York Academy of Sciences*, **1996**, 779, 37-45	6.5	18
239	Molecular biological studies of the cardiac sodium-calcium exchanger. *Annals of the New York Academy of Sciences*, **1996**, 779, 103-9	6.5	11
238	Expression and functional characterization of isoforms 4 of the plasma membrane calcium pump. *Biochemistry*, **1996**, 35, 7946-53	3.2	39
237	The organization of the human gene NCX1 encoding the sodium-calcium exchanger. *Genomics*, **1996**, 37, 105-12	4.3	48
236	Mutation of conserved residues in transmembrane domains 4,6 and 8 causes loss of Ca2+ transport by the plasma membrane Ca2+ pump. *Biochemistry*, **1996**, 35, 3290-6	3.2	34
235	The targeting of the plasma membrane calcium pump in the cell. *Bioscience Reports*, **1996**, 16, 129-137	4.1	2
234	Detection of a new polymorphism in the plasma-membrane Ca2+ ATPase isoform-3 gene and its exclusion as a candidate for X-linked myotubular myopathy (MTM1). *Human Genetics*, **1996**, 98, 681-4	6.3	2
233	The plasma membrane calcium pump: recent developments and future perspectives. *Experientia*, **1996**, 52, 1091-100		71
232	Purification of active calpain by affinity chromatography on an immobilized peptide inhibitor. *FEBS Journal*, **1996**, 241, 948-54		22
231	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, 483-8		40
230	Expression of an active Na+/Ca2+ exchanger isoform lacking the six C-terminal transmembrane segments. *FEBS Journal*, **1996**, 239, 897-904		20
229	Binding of cytosolic proteins to myofibrils in ischemic rat hearts. *Circulation Research*, **1996**, 78, 821-8	15.7	64
228	The 70 kD component of the heart sarcolemmal Na+/Ca(2+)-exchanger preparation is the C-terminal portion of the protein. *Cell Calcium*, **1995**, 17, 263-9	4	25
227	An alternative splicing site modifies the carboxyl-terminal trans-membrane domains of the Na+/Ca2+ exchanger. *Journal of Biological Chemistry*, **1995**, 270, 6917-24	5.4	29
226	Subcellular targeting of the endoplasmic reticulum and plasma membrane Ca2+ pumps: a study using recombinant chimeras. *FASEB Journal*, **1995**, 9, 670-80	0.9	40
225	Purification of mu-calpain by a novel affinity chromatography approach. New insights into the mechanism of the interaction of the protease with targets. *Journal of Biological Chemistry*, **1995**, 270, 14576-81	5.4	30

224	Isolation and characterization of a stable Chinese hamster ovary cell line overexpressing the plasma membrane Ca(2+)-ATPase. *Journal of Biological Chemistry*, **1995**, 270, 14643-50	5.4	32
223	Tissue distribution of the four gene products of the plasma membrane Ca2+ pump. A study using specific antibodies. *Journal of Biological Chemistry*, **1995**, 270, 12184-90	5.4	228
222	A signal for endoplasmic reticulum retention located at the carboxyl terminus of the plasma membrane Ca(2+)-ATPase isoform 4CI. *Journal of Biological Chemistry*, **1995**, 270, 2679-88	5.4	20
221	PEST sequences do not influence substrate susceptibility to calpain proteolysis. *Journal of Biological Chemistry*, **1995**, 270, 2032-5	5.4	52
220	The secondary structure of phospholamban: a two-dimensional NMR study. *Biochemical and Biophysical Research Communications*, **1995**, 217, 1200-7	3.4	16
219	Calmodulin-binding domains: just two faced or multi-faceted?. *Trends in Biochemical Sciences*, **1995**, 20, 38-42	10.3	351
218	The calmodulin-binding domain of the inducible (macrophage) nitric oxide synthase. *FEBS Journal*, **1995**, 233, 701-8		35
217	Calcium-Dependent Mechanisms in Drug Toxicity and Cell Killing **1995**, 453-460		
216	Biogenesis: Plasma membrane calcium ATPase: 15 years of work on the purified enzyme1. *FASEB Journal*, **1994**, 8, 993-1002	0.9	365
215	Facilitated nuclear transport of calmodulin in tissue culture cells. *Journal of Cell Biology*, **1994**, 127, 1527-36	7.5	63
214	Protein identification in DNA databases by peptide mass fingerprinting. *Protein Science*, **1994**, 3, 1347-50	6.3	129
213	The plasma membrane calcium pump: functional domains, regulation of the activity, and tissue specificity of isoform expression. *Journal of Neurobiology*, **1994**, 25, 312-24		125
212	Calmodulin and calmodulin-binding proteins in the nucleus. *Cell Calcium*, **1994**, 16, 289-96	4	81
211	The plasma membrane calcium pump is the preferred calpain substrate within the erythrocyte. *Cell Calcium*, **1994**, 15, 28-35	4	65
210	Purification and Reconstitution of the Ca2+-Pumping ATPase of Red Blood Cells. *Methods*, **1994**, 6, 3-10	4.6	43
209	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, 41-5	1.9	29
208	Protein identification by mass profile fingerprinting. *Biochemical and Biophysical Research Communications*, **1993**, 195, 58-64	3.4	524
207	The calmodulin binding domain of nitric oxide synthase and adenylyl cyclase. *Biochemistry*, **1993**, 32, 6081-8	3.2	156

206	Synthetic peptides corresponding to the calmodulin-binding domains of skeletal muscle myosin light chain kinase and human erythrocyte Ca2+ pump interact with and permeabilize liposomes and cell membranes. *Biochemistry*, **1993**, 32, 6721-8	3.2	6
205	Total synthesis and functional properties of the membrane-intrinsic protein phospholamban. *Protein Science*, **1993**, 2, 339-47	6.3	25
204	Molecular and cellular biology of plasma membrane calcium ATPase. *Trends in Cardiovascular Medicine*, **1993**, 3, 177-84	6.9	31
203	Photoaffinity labeling study of the interaction of calmodulin with the plasma membrane Ca2+ pump. *Biochemistry*, **1992**, 31, 8245-51	3.2	16
202	The molecular basis of the modulation of the plasma membrane calcium pump by calmodulin. *Annals of the New York Academy of Sciences*, **1992**, 671, 58-68; discussion 68-9	6.5	20
201	Binding of calcium by calmodulin: influence of the calmodulin binding domain of the plasma membrane calcium pump. *Biochemistry*, **1992**, 31, 3171-6	3.2	48
200	Fluorescence energy transfer analysis of calmodulin-peptide complexes. *Biochemistry*, **1992**, 31, 12819-25	3.2	54
199	Study of calmodulin binding to the alternatively spliced C-terminal domain of the plasma membrane Ca2+ pump. *Biochemistry*, **1992**, 31, 11785-92	3.2	43
198	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. *Biochemistry*, **1992**, 31, 371-6	3.2	44
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