

# Crystal structures of the calcium pump and sarcolipin in

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Citation Report

#	ARTICLE	IF	CITATIONS
3	New crystal structures of PII-type ATPases: excitement continues. <i>Current Opinion in Structural Biology</i> , 2013, 23, 507-514.	2.6	58
4	Somatic mutations in ATP1A1 and CACNA1D underlie a common subtype of adrenal hypertension. <i>Nature Genetics</i> , 2013, 45, 1055-1060.	9.4	446
5	Conserved Regulation of Cardiac Calcium Uptake by Peptides Encoded in Small Open Reading Frames. <i>Science</i> , 2013, 341, 1116-1120.	6.0	311
6	Phosphorylated Phospholamban Stabilizes a Compact Conformation of the Cardiac Calcium-ATPase. <i>Biophysical Journal</i> , 2013, 105, 1812-1821.	0.2	45
7	Quantifying Long-Term Scientific Impact. <i>Science</i> , 2013, 342, 127-132.	6.0	604
8	The Structural Basis for Phospholamban Inhibition of the Calcium Pump in Sarcoplasmic Reticulum. <i>Journal of Biological Chemistry</i> , 2013, 288, 30181-30191.	1.6	107
9	Allosteric regulation of SERCA by phosphorylation-mediated conformational shift of phospholamban. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17338-17343.	3.3	112
10	On Allosteric Modulation of P-Type $\text{Cu}^{+}$ -ATPases. <i>Journal of Molecular Biology</i> , 2013, 425, 2299-2308.	2.0	30
11	Aqueous $\text{Mg}^{2+}$ and $\text{Ca}^{2+}$ Ligand Exchange Mechanisms Identified with 2DIR Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12268-12275.	1.2	6
12	Crystal structure of a $\text{Na}^{+}$ -bound $\text{Na}^{+}, \text{K}^{+}$ -ATPase preceding the E1P state. <i>Nature</i> , 2013, 502, 201-206.	13.7	271
13	Crystal Structure of $\text{Na}^{+}, \text{K}^{+}$ -ATPase in the $\text{Na}^{+}$ -Bound State. <i>Science</i> , 2013, 342, 123-127.	6.0	168
14	SERCA mutant E309Q binds two $\text{Ca}^{2+}$ ions but adopts a catalytically incompetent conformation. <i>EMBO Journal</i> , 2013, 32, 3231-3243.	3.5	44
16	Microsecond Molecular Dynamics Simulations of $\text{Mg}^{2+}$ - and $\text{K}^{+}$ - Bound E1 Intermediate States of the Calcium Pump. <i>PLoS ONE</i> , 2014, 9, e95979.	1.1	39
17	S-Palmitoylation and S-Oleoylation of Rabbit and Pig Sarcolipin. <i>Journal of Biological Chemistry</i> , 2014, 289, 33850-33861.	1.6	37
18	Second Transmembrane Helix (M2) and Long Range Coupling in $\text{Ca}^{2+}$ -ATPase. <i>Journal of Biological Chemistry</i> , 2014, 289, 31241-31252.	1.6	9
19	Six Homeoproteins and a linc-RNA at the Fast MYH Locus Lock Fast Myofiber Terminal Phenotype. <i>PLoS Genetics</i> , 2014, 10, e1004386.	1.5	56
20	Comparing crystal structures of $\text{Ca}^{2+}$ -ATPase in the presence of different lipids. <i>FEBS Journal</i> , 2014, 281, 4249-4262.	2.2	57
21	Critical Roles of Interdomain Interactions for Modulatory ATP Binding to Sarcoplasmic Reticulum $\text{Ca}^{2+}$ -ATPase. <i>Journal of Biological Chemistry</i> , 2014, 289, 29123-29134.	1.6	3

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22	Quality assessment of recombinant proteins by infrared spectroscopy. Characterisation of a protein aggregation related band of the Ca <sup>2+</sup> -ATPase. <i>Analyst</i> , The, 2014, 139, 4231-4240.	1.7	14
23	Molecular Mechanism of Na <sup>+</sup> ,K <sup>+</sup> -ATPase Malfunction in Mutations Characteristic of Adrenal Hypertension. <i>Biochemistry</i> , 2014, 53, 746-754.	1.2	23
26	Visualizing functional motions of membrane transporters at high temporal and spatial resolutions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, e106.	0.5	0
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29	Ca <sup>2+</sup> /H <sup>+</sup> exchange, luminal Ca <sup>2+</sup> release and Ca <sup>2+</sup> /ATP coupling ratios in the sarcoplasmic reticulum ATPase. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 5-11.	1.8	45
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31	Non-covalent binding of membrane lipids to membrane proteins. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2014, 1838, 1548-1559.	1.4	133
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36	Microsecond Molecular Simulations Reveal a Transient Proton Pathway in the Calcium Pump. <i>Journal of the American Chemical Society</i> , 2015, 137, 7055-7058.	6.6	18
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40	Specific Activation of the Plant P-type Plasma Membrane H <sup>+</sup> -ATPase by Lysophospholipids Depends on the Autoinhibitory N- and C-terminal Domains. <i>Journal of Biological Chemistry</i> , 2015, 290, 16281-16291.	1.6	33
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51	Atomic-Level Mechanisms for Phospholamban Regulation of the Calcium Pump. <i>Biophysical Journal</i> , 2015, 108, 1697-1708.	0.2	35
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59	Mn <sup>2+</sup> transport by Ca <sup>2+</sup> -ATPase of sarcoplasmic reticulum. <i>FEBS Letters</i> , 2016, 590, 2086-2095.	1.3	2

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116	Thermodynamics of Cation Binding to the Sarcoendoplasmic Reticulum Calcium ATPase Pump and Impacts on Enzyme Function. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 2692-2705.	2.3	15
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