Francesco Tadini-Buoninsegni

List of Publications by Year
in descending order

47	1,108	394421 19	434195 31
papers	citations	h-index	g-index

49	49	49	1522
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Translocation of Platinum Anticancer Drugs by Human Copper ATPases ATP7A and ATP7B. Angewandte Chemie - International Edition, 2014, 53, 1297-1301.	13.8	79
2	Pre-steady State Electrogenic Events of Ca2+/H+ Exchange and Transport by the Ca2+-ATPase. Journal of Biological Chemistry, 2006, 281, 37720-37727.	3.4	71
3	Istaroxime stimulates <scp>SERCA2a</scp> and accelerates calcium cycling in heart failure by relieving phospholamban inhibition. British Journal of Pharmacology, 2013, 169, 1849-1861.	5.4	68
4	Mimicking the Intramolecular Hydrogen Bond: Synthesis, Biological Evaluation, and Molecular Modeling of Benzoxazines and Quinazolines as Potential Antimalarial Agents. Journal of Medicinal Chemistry, 2012, 55, 10387-10404.	6.4	58
5	A voltammetric study of monolayers and bilayers self-assembled on metal electrodes. Electrochimica Acta, 2000, 45, 1885-1892.	5.2	49
6	Charge transfer in P-type ATPases investigated on planar membranes. Archives of Biochemistry and Biophysics, 2008, 476, 75-86.	3.0	46
7	Ca²⁺/H⁺ exchange, lumenal Ca²⁺ release and Ca²⁺/ATP coupling ratios in the sarcoplasmic reticulum ATPase. Journal of Cell Communication and Signaling, 2014, 8, 5-11.	3.4	45
8	Biochemical characterization of P-type copper ATPases. Biochemical Journal, 2014, 463, 167-176.	3.7	44
9	A sulfurâ€based transport pathway in Cu ⁺ â€<scp>ATP</scp> ases. EMBO Reports, 2015, 16, 728-740.	4.5	41
10	Clotrimazole Inhibits the Ca2+-ATPase (SERCA) by Interfering with Ca2+ Binding and Favoring the E2 Conformation. Journal of Biological Chemistry, 2006, 281, 9547-9551.	3.4	37
11	Drug Interactions With the Ca2+-ATPase From Sarco(Endo)Plasmic Reticulum (SERCA). Frontiers in Molecular Biosciences, 2018, 5, 36.	3.5	37
12	Distinctive Features of Catalytic and Transport Mechanisms in Mammalian Sarco-endoplasmic Reticulum Ca2+ ATPase (SERCA) and Cu+ (ATP7A/B) ATPases. Journal of Biological Chemistry, 2012, 287, 32717-32727.	3.4	36
13	Inhibition of hERG potassium channel by the antiarrhythmic agent mexiletine and its metabolite mâ€hydroxymexiletine. Pharmacology Research and Perspectives, 2015, 3, e00160.	2.4	35
14	ATP dependent charge movement in ATP7B Cu⁺â€ATPase is demonstrated by preâ€steady state electrical measurements. FEBS Letters, 2010, 584, 4619-4622.	2.8	34
15	A Method to Measure Hydrolytic Activity of Adenosinetriphosphatases (ATPases). PLoS ONE, 2013, 8, e58615.	2.5	29
16	Mechanisms of charge transfer in human copper ATPases ATP7A and ATP7B. IUBMB Life, 2017, 69, 218-225.	3.4	26
17	Photocurrents Generated by Bacteriorhodopsin Adsorbed on Thiol/Lipid Bilayers Supported by Mercury. Langmuir, 2002, 18, 6345-6355.	3.5	21
18	Effects of High-Affinity Inhibitors on Partial Reactions, Charge Movements, and Conformational States of the Ca²⁺Transport ATPase (Sarco-Endoplasmic Reticulum) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 57 Td (Ca<sup>	2.5	21

#	Article	IF	Citations
19	High-yield Heterologous Expression of Wild Type and Mutant Ca2+ ATPase: Characterization of Ca2+ Binding Sites by Charge Transfer. Journal of Molecular Biology, 2009, 391, 858-871.	4.2	20
20	Phosphatidylserine flipping by the P4-ATPase ATP8A2 is electrogenic. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16332-16337.	7.1	19
21	Investigation of Na+,K+-ATPase on a solid supported membrane: the role of acylphosphatase on the ion transport mechanism. Biochimica Et Biophysica Acta - Biomembranes, 2003, 1611, 70-80.	2.6	18
22	Anticancer Ruthenium(III) Complex KP1019 Interferes with ATPâ€Dependent Ca²⁺ Translocation by Sarcoâ€Endoplasmic Reticulum Ca²⁺â€ATPase (SERCA). ChemMedChem, 2014, 9, 1660-1664.	3.2	18
23	Conformational memory in the association of the transmembrane protein phospholamban with the sarcoplasmic reticulum calcium pump SERCA. Journal of Biological Chemistry, 2017, 292, 21330-21339.	3.4	18
24	Effect of Clotrimazole on the Pump Cycle of the Na,K-ATPase. Biophysical Journal, 2008, 95, 1813-1825.	0.5	16
25	Hofmeister effect of anions on calcium translocation by sarcoplasmic reticulum Ca2+-ATPase. Scientific Reports, 2015, 5, 14282.	3.3	16
26	Monitoring Interactions Inside Cells by Advanced Spectroscopies: Overview of Copper Transporters and Cisplatin. Current Medicinal Chemistry, 2018, 25, 462-477.	2.4	15
27	Label-Free Bioelectrochemical Methods for Evaluation of Anticancer Drug Effects at a Molecular Level. Sensors, 2020, 20, 1812.	3.8	15
28	Stimulation of Ca²⁺â€ATPase Transport Activity by a Smallâ€Molecule Drug. ChemMedChem, 2021, 16, 3293-3299.	3.2	15
29	Global Analysis of Type Three Secretion System and Quorum Sensing Inhibition of Pseudomonas savastanoi by Polyphenols Extracts from Vegetable Residues. PLoS ONE, 2016, 11, e0163357.	2.5	15
30	Inhibitory Effect of Pb²⁺ on the Transport Cycle of the Na⁺,K⁺-ATPase. Chemical Research in Toxicology, 2009, 22, 1699-1704.	3.3	12
31	Effect of cisplatin on the transport activity of P_{II}-type ATPases. Metallomics, 2017, 9, 960-968.	2.4	12
32	Lipoyl-Homotaurine Derivative (ADM_12) Reverts Oxaliplatin-Induced Neuropathy and Reduces Cancer Cells Malignancy by Inhibiting Carbonic Anhydrase IX (CAIX). Journal of Medicinal Chemistry, 2017, 60, 9003-9011.	6.4	12
33	The Ca2+-ATPase (SERCA1) Is Inhibited by 4-Aminoquinoline Derivatives through Interference with Catalytic Activation by Ca2+, Whereas the ATPase E2 State Remains Functional. Journal of Biological Chemistry, 2011, 286, 38383-38389.	3.4	11
34	Molecular Insights into hERG Potassium Channel Blockade by Lubeluzole. Cellular Physiology and Biochemistry, 2018, 45, 2233-2245.	1.6	10
35	Enhanced Adsorption of Ca-ATPase Containing Vesicles on a Negatively Charged Solid-Supported-Membrane for the Investigation of Membrane Transporters. Langmuir, 2013, 29, 13883-13889.	3.5	9
36	Discovery of a new mexiletine-derived agonist of the hERG K + channel. Biophysical Chemistry, 2017, 229, 62-67.	2.8	9

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37	Superparamagnetic iron oxide nanoparticles (SPIONs) modulate hERG ion channel activity. Nanotoxicology, 2019, 13, 1197-1209.	3.0	9
38	Electrogenic steps of the SR Ca-ATPase enzymatic cycle and the effect of curcumin. Biochimica Et Biophysica Acta - Biomembranes, 2008, 1778, 405-413.	2.6	8
39	Niosomal Formulation of a Lipoyl-Carnosine Derivative Targeting TRPA1 Channels in Brain. Pharmaceutics, 2019, 11, 669.	4.5	7
40	Bacteriorhodopsin-containing membrane fragments adsorbed on mercury-supported biomimetic membranes. Electrochemistry Communications, 1999, 1, 131-134.	4.7	6
41	Binding of a Monoclonal Antibody to the Phospholamban Cytoplasmic Domain Interferes with the Channel Activity of Phospholamban Reconstituted in a Tethered Bilayer Lipid Membrane. Langmuir, 2014, 30, 10384-10388.	3.5	6
42	A Comparative Study of Phosphatidylcholine versus Phosphatidylserine-Based Solid Supported Membranes for the Preparation of Liposome-Rich Interfaces. Langmuir, 2018, 34, 12183-12190.	3.5	6
43	Protein Adsorption on Solid Supported Membranes: Monitoring the Transport Activity of P-Type ATPases. Molecules, 2020, 25, 4167.	3.8	6
44	Electrophysiological Measurements on Solid Supported Membranes. Methods in Molecular Biology, 2016, 1377, 293-303.	0.9	5
45	Antimony-Phosphomolybdate ATPase Assay. Methods in Molecular Biology, 2016, 1377, 111-120.	0.9	4
46	Confining the Sodium Pump in a Phosphoenzyme Form: The Effect of Lead(II) Ions. Biophysical Journal, 2010, 99, 2087-2096.	0.5	2
47	Selectivity of the phospholamban ion channel investigated by single channel measurements. Journal of Electroanalytical Chemistry, 2018, 812, 244-248.	3.8	2