

# Francesco Tadini-Buoninsegni

## List of Publications by Year in descending order

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47  
papers

1,108  
citations

394421

19  
h-index

434195

31  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1522  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stimulation of Ca <sup>2+</sup> -ATPase Transport Activity by a Small-Molecule Drug. <i>ChemMedChem</i> , 2021, 16, 3293-3299.	3.2	15
2	Protein Adsorption on Solid Supported Membranes: Monitoring the Transport Activity of P-Type ATPases. <i>Molecules</i> , 2020, 25, 4167.	3.8	6
3	Label-Free Bioelectrochemical Methods for Evaluation of Anticancer Drug Effects at a Molecular Level. <i>Sensors</i> , 2020, 20, 1812.	3.8	15
4	Superparamagnetic iron oxide nanoparticles (SPIONs) modulate hERG ion channel activity. <i>Nanotoxicology</i> , 2019, 13, 1197-1209.	3.0	9
5	Phosphatidylserine flipping by the P4-ATPase ATP8A2 is electrogenic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16332-16337.	7.1	19
6	Niosomal Formulation of a Lipoyl-Carnosine Derivative Targeting TRPA1 Channels in Brain. <i>Pharmaceutics</i> , 2019, 11, 669.	4.5	7
7	Selectivity of the phospholamban ion channel investigated by single channel measurements. <i>Journal of Electroanalytical Chemistry</i> , 2018, 812, 244-248.	3.8	2
8	Molecular Insights into hERG Potassium Channel Blockade by Lubeluzole. <i>Cellular Physiology and Biochemistry</i> , 2018, 45, 2233-2245.	1.6	10
9	A Comparative Study of Phosphatidylcholine versus Phosphatidylserine-Based Solid Supported Membranes for the Preparation of Liposome-Rich Interfaces. <i>Langmuir</i> , 2018, 34, 12183-12190.	3.5	6
10	Drug Interactions With the Ca <sup>2+</sup> -ATPase From Sarco(Endo)Plasmic Reticulum (SERCA). <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 36.	3.5	37
11	Monitoring Interactions Inside Cells by Advanced Spectroscopies: Overview of Copper Transporters and Cisplatin. <i>Current Medicinal Chemistry</i> , 2018, 25, 462-477.	2.4	15
12	Mechanisms of charge transfer in human copper ATPases ATP7A and ATP7B. <i>IUBMB Life</i> , 2017, 69, 218-225.	3.4	26
13	Effect of cisplatin on the transport activity of P <sub>II</sub> -type ATPases. <i>Metallomics</i> , 2017, 9, 960-968.	2.4	12
14	Conformational memory in the association of the transmembrane protein phospholamban with the sarcoplasmic reticulum calcium pump SERCA. <i>Journal of Biological Chemistry</i> , 2017, 292, 21330-21339.	3.4	18
15	Lipoyl-Homotaurine Derivative (ADM_12) Reverts Oxaliplatin-Induced Neuropathy and Reduces Cancer Cells Malignancy by Inhibiting Carbonic Anhydrase IX (CAIX). <i>Journal of Medicinal Chemistry</i> , 2017, 60, 9003-9011.	6.4	12
16	Discovery of a new mexiletine-derived agonist of the hERG K <sup>+</sup> channel. <i>Biophysical Chemistry</i> , 2017, 229, 62-67.	2.8	9
17	Antimony-Phosphomolybdate ATPase Assay. <i>Methods in Molecular Biology</i> , 2016, 1377, 111-120.	0.9	4
18	Electrophysiological Measurements on Solid Supported Membranes. <i>Methods in Molecular Biology</i> , 2016, 1377, 293-303.	0.9	5

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19	Global Analysis of Type Three Secretion System and Quorum Sensing Inhibition of <i>Pseudomonas savastanoi</i> by Polyphenols Extracts from Vegetable Residues. <i>PLoS ONE</i> , 2016, 11, e0163357.	2.5	15
20	Inhibition of hERG potassium channel by the antiarrhythmic agent mexiletine and its metabolite m-hydroxymexiletine. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00160.	2.4	35
21	A sulfur-based transport pathway in <i>Cu</i> -ATPases. <i>EMBO Reports</i> , 2015, 16, 728-740.	4.5	41
22	Hofmeister effect of anions on calcium translocation by sarcoplasmic reticulum $\text{Ca}^{2+}$ -ATPase. <i>Scientific Reports</i> , 2015, 5, 14282.	3.3	16
23	Translocation of Platinum Anticancer Drugs by Human Copper ATPases ATP7A and ATP7B. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 1297-1301.	13.8	79
24	Biochemical characterization of P-type copper ATPases. <i>Biochemical Journal</i> , 2014, 463, 167-176.	3.7	44
25	$\text{Ca}^{2+}/\text{H}^{+}$ exchange, luminal $\text{Ca}^{2+}$ release and $\text{Ca}^{2+}/\text{ATP}$ coupling ratios in the sarcoplasmic reticulum ATPase. <i>Journal of Cell Communication and Signaling</i> , 2014, 8, 5-11.	3.4	45
26	Binding of a Monoclonal Antibody to the Phospholamban Cytoplasmic Domain Interferes with the Channel Activity of Phospholamban Reconstituted in a Tethered Bilayer Lipid Membrane. <i>Langmuir</i> , 2014, 30, 10384-10388.	3.5	6
27	Anticancer Ruthenium(III) Complex KP1019 Interferes with ATP-Dependent $\text{Ca}^{2+}$ Translocation by Sarco-endoplasmic Reticulum $\text{Ca}^{2+}$ -ATPase (SERCA). <i>ChemMedChem</i> , 2014, 9, 1660-1664.	3.2	18
28	Enhanced Adsorption of $\text{Ca}$ -ATPase Containing Vesicles on a Negatively Charged Solid-Supported-Membrane for the Investigation of Membrane Transporters. <i>Langmuir</i> , 2013, 29, 13883-13889.	3.5	9
29	Istaroxime stimulates SERCA2a and accelerates calcium cycling in heart failure by relieving phospholamban inhibition. <i>British Journal of Pharmacology</i> , 2013, 169, 1849-1861.	5.4	68
30	A Method to Measure Hydrolytic Activity of Adenosinetriphosphatases (ATPases). <i>PLoS ONE</i> , 2013, 8, e58615.	2.5	29
31	Distinctive Features of Catalytic and Transport Mechanisms in Mammalian Sarco-endoplasmic Reticulum $\text{Ca}^{2+}$ ATPase (SERCA) and $\text{Cu}^{+}$ (ATP7A/B) ATPases. <i>Journal of Biological Chemistry</i> , 2012, 287, 32717-32727.	3.4	36
32	Mimicking the Intramolecular Hydrogen Bond: Synthesis, Biological Evaluation, and Molecular Modeling of Benzoxazines and Quinazolines as Potential Antimalarial Agents. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10387-10404.	6.4	58
33	The $\text{Ca}^{2+}$ -ATPase (SERCA1) Is Inhibited by 4-Aminoquinoline Derivatives through Interference with Catalytic Activation by $\text{Ca}^{2+}$ , Whereas the ATPase E2 State Remains Functional. <i>Journal of Biological Chemistry</i> , 2011, 286, 38383-38389.	3.4	11
34	ATP dependent charge movement in ATP7B $\text{Cu}$ -ATPase is demonstrated by pre-steady state electrical measurements. <i>FEBS Letters</i> , 2010, 584, 4619-4622.	2.8	34
35	Confining the Sodium Pump in a Phosphoenzyme Form: The Effect of Lead(II) Ions. <i>Biophysical Journal</i> , 2010, 99, 2087-2096.	0.5	2
36	Inhibitory Effect of $\text{Pb}^{2+}$ on the Transport Cycle of the $\text{Na}^{+}, \text{K}^{+}$ -ATPase. <i>Chemical Research in Toxicology</i> , 2009, 22, 1699-1704.	3.3	12

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37	High-yield Heterologous Expression of Wild Type and Mutant Ca <sup>2+</sup> ATPase: Characterization of Ca <sup>2+</sup> Binding Sites by Charge Transfer. <i>Journal of Molecular Biology</i> , 2009, 391, 858-871.	4.2	20
38	Effect of Clotrimazole on the Pump Cycle of the Na,K-ATPase. <i>Biophysical Journal</i> , 2008, 95, 1813-1825.	0.5	16
39	Charge transfer in P-type ATPases investigated on planar membranes. <i>Archives of Biochemistry and Biophysics</i> , 2008, 476, 75-86.	3.0	46
40	Electrogenic steps of the SR Ca-ATPase enzymatic cycle and the effect of curcumin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008, 1778, 405-413.	2.6	8
41	Effects of High-Affinity Inhibitors on Partial Reactions, Charge Movements, and Conformational States of the Ca <sup>2+</sup> Transport ATPase (Sarco-Endoplasmic Reticulum) Tj ETQq1 1 0.784314 rgBT /Overlook 10 Tf 50 577 Td	10.7	50
42	Clotrimazole Inhibits the Ca <sup>2+</sup> -ATPase (SERCA) by Interfering with Ca <sup>2+</sup> Binding and Favoring the E2 Conformation. <i>Journal of Biological Chemistry</i> , 2006, 281, 9547-9551.	3.4	37
43	Pre-steady State Electrogenic Events of Ca <sup>2+</sup> /H <sup>+</sup> Exchange and Transport by the Ca <sup>2+</sup> -ATPase. <i>Journal of Biological Chemistry</i> , 2006, 281, 37720-37727.	3.4	71
44	Investigation of Na <sup>+</sup> ,K <sup>+</sup> -ATPase on a solid supported membrane: the role of acylphosphatase on the ion transport mechanism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2003, 1611, 70-80.	2.6	18
45	Photocurrents Generated by Bacteriorhodopsin Adsorbed on Thiol/Lipid Bilayers Supported by Mercury. <i>Langmuir</i> , 2002, 18, 6345-6355.	3.5	21
46	A voltammetric study of monolayers and bilayers self-assembled on metal electrodes. <i>Electrochimica Acta</i> , 2000, 45, 1885-1892.	5.2	49
47	Bacteriorhodopsin-containing membrane fragments adsorbed on mercury-supported biomimetic membranes. <i>Electrochemistry Communications</i> , 1999, 1, 131-134.	4.7	6