

# Carlos L Frederico Fontes

## List of Publications by Year in descending order

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49  
papers

874  
citations

471061

17  
h-index

525886

27  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Fe <sup>3+</sup> on Na,K-ATPase: Unexpected activation of ATP hydrolysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183868.	1.4	2
2	Salinity-dependent modulation by protein kinases and the fxyd2 peptide of gill (Na <sup>+</sup> , K <sup>+</sup> )-ATPase activity in the freshwater shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, , 183982.	1.4	2
3	Cytotoxicity of glucoevatromonoside alone and in combination with chemotherapy drugs and their effects on Na <sup>+</sup> ,K <sup>+</sup> -ATPase and ion channels on lung cancer cells. <i>Molecular and Cellular Biochemistry</i> , 2021, 476, 1825-1848.	1.4	3
4	Cytochrome c Oxidase at Full Thrust: Regulation and Biological Consequences to Flying Insects. <i>Cells</i> , 2021, 10, 470.	1.8	4
5	Conformational states of the pig kidney Na <sup>+</sup> /K <sup>+</sup> -ATPase differently affect bufadienolides and cardenolides: A directed structure-activity and structure-kinetics study. <i>Biochemical Pharmacology</i> , 2020, 171, 113679.	2.0	17
6	Osmotic and ionic regulation, and modulation by protein kinases, FXD2 peptide and ATP of gill (Na <sup>+</sup> ,) Tj ETQq0 0 0 rgBT /Overlock 10 T Biochemistry and Physiology - B <i>Biochemistry and Molecular Biology</i> , 2020, 250, 110507.	0.7	16
7	Biochemical Characterization and Allosteric Modulation by Magnesium of (Na <sup>+</sup> , K <sup>+</sup> )-ATPase Activity in the Gills of the Red Mangrove Crab <i>Goniopsis cruentata</i> (Brachyura, Grapsidae). <i>Journal of Membrane Biology</i> , 2020, 253, 229-245.	1.0	4
8	Mitochondrial glycerol phosphate oxidation is modulated by adenylates through allosteric regulation of cytochrome c oxidase activity in mosquito flight muscle. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 114, 103226.	1.2	9
9	Dopamine binding directly up-regulates (Na <sup>+</sup> , K <sup>+</sup> )-ATPase activity in the gills of the freshwater shrimp <i>Macrobrachium amazonicum</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular &amp; Integrative Physiology</i> , 2019, 233, 39-47.	0.8	2
10	Involvement of Src signaling in the synergistic effect between cisplatin and digoxin on cancer cell viability. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 3352-3362.	1.2	10
11	Properties of novel surfactinâ€derived biosurfactants obtained through solidâ€phase synthesis. <i>Journal of Peptide Science</i> , 2018, 24, e3129.	0.8	4
12	Polyamines regulate phosphorylationâ€dephosphorylation kinetics in a crustacean gill (Na <sup>+</sup> ,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 302	1.4	9
13	Chelerythrine inhibits the sarco/endoplasmic reticulum Ca <sup>2+</sup> -ATPase and results in cell Ca <sup>2+</sup> imbalance. <i>Archives of Biochemistry and Biophysics</i> , 2015, 570, 58-65.	1.4	10
14	Modulation By K <sup>+</sup> Plus NH <sub>4</sub> <sup>+</sup> of Microsomal (Na <sup>+</sup> , K <sup>+</sup> )-ATPase Activity in Selected Ontogenetic Stages of the Diadromous River Shrimp <i>Macrobrachium amazonicum</i> (Decapoda, Palaemonidae). <i>PLoS ONE</i> , 2014, 9, e89625.	1.1	18
15	The Influence of Ouabain on Human Dendritic Cells Maturation. <i>Mediators of Inflammation</i> , 2014, 2014, 1-15.	1.4	9
16	Ouabain-Induced Alterations of the Apical Junctional Complex Involve $\hat{1}\pm 1$ and $\hat{1}^21$ Na,K-ATPase Downregulation and ERK1/2 Activation Independent of Caveolae in Colorectal Cancer Cells. <i>Journal of Membrane Biology</i> , 2014, 247, 23-33.	1.0	17
17	Could Na,K-ATPase play a role in potassium leakage from irradiated erythrocytes?. <i>Clinica Chimica Acta</i> , 2014, 433, 58-61.	0.5	9
18	Synergistic stimulation by potassium and ammonium of K <sup>+</sup> -phosphatase activity in gill microsomes from the crab <i>Callinectes ornatus</i> acclimated to low salinity: Novel property of a primordial pump. <i>Archives of Biochemistry and Biophysics</i> , 2013, 530, 55-63.	1.4	8

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19	Herpes simplex type 1 activates glycolysis through engagement of the enzyme 6-phosphofructo-1-kinase (PFK-1). <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2012, 1822, 1198-1206.	1.8	78
20	Identification of a crab gill FXD2 protein and regulation of crab microsomal Na,K-ATPase activity by mammalian FXD2 peptide. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2012, 1818, 2588-2597.	1.4	25
21	Regulatory phosphorylation of FXD2 by PKC and cross interactions between FXD2, plasmalemmal Ca-ATPase and Na,K-ATPase. <i>Archives of Biochemistry and Biophysics</i> , 2011, 505, 75-82.	1.4	11
22	The nerve growth factor reduces APOBEC3G synthesis and enhances HIV-1 transcription and replication in human primary macrophages. <i>Blood</i> , 2011, 117, 2944-2952.	0.6	18
23	Na <sup>+</sup> ,K <sup>+</sup> -ATPase Activity in the Posterior Gills of the Blue Crab, <i>Callinectes ornatus</i> (Decapoda,) <i>TJ ETQq1 1 0.784314 rgBT /Overlock 10 T Membrane Biology</i> , 2011, 244, 9-20.	1.0	18
24	The Effects of the Diterpenes Isolated from the Brazilian Brown Algae <i>Dictyota paffii</i> and <i>Dictyota menstrualis</i> against the Herpes Simplex Type-1 Replicative Cycle. <i>Planta Medica</i> , 2010, 76, 339-344.	0.7	61
25	Promising novel compounds for the generation of new anti-HIV-RT therapeutic drugs. <i>HIV Therapy</i> , 2009, 3, 255-267.	0.6	0
26	Characterization of HIV-1 Enzyme Reverse Transcriptase Inhibition by the Compound 6-Chloro-1,4-Dihydro-4-Oxo-1-( $\beta$ -D-Ribofuranosyl) Quinoline-3-Carboxylic Acid Through Kinetic and In Silico Studies. <i>Current HIV Research</i> , 2009, 7, 327-335.	0.2	11
27	Effects of $\beta$ -irradiation on the membrane ATPases of human erythrocytes from transfusional blood concentrates. <i>Annals of Hematology</i> , 2008, 87, 113-119.	0.8	28
28	The dolabellane diterpene Dolabelladienetriol is a typical noncompetitive inhibitor of HIV-1 reverse transcriptase enzyme. <i>Antiviral Research</i> , 2008, 77, 64-71.	1.9	71
29	Inhibition of HSV-1 replication and HSV DNA polymerase by the chloroquinolinic ribonucleoside 6-chloro-1,4-dihydro-4-oxo-1-( $\beta$ -D-ribofuranosyl) quinoline-3-carboxylic acid and its aglycone. <i>Antiviral Research</i> , 2008, 77, 20-27.	1.9	23
30	The crustacean gill (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase: Allosteric modulation of high- and low-affinity ATP-binding sites by sodium and potassium. <i>Archives of Biochemistry and Biophysics</i> , 2008, 479, 139-144.	1.4	13
31	Regulation by the exogenous polyamine spermidine of Na,K-ATPase activity from the gills of the euryhaline swimming crab <i>Callinectes danae</i> (Brachyura, Portunidae). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2008, 149, 622-629.	0.7	13
32	The Compound 6-Chloro-1,4-Dihydro-4-Oxo-1-( $\beta$ -D-Ribofuranosyl) Quinoline-3-Carboxylic Acid Inhibits HIV-1 Replication by Targeting the Enzyme Reverse Transcriptase. <i>Current HIV Research</i> , 2008, 6, 209-217.	0.2	13
33	The Alkaloid 4-Methylaaptamine Isolated from the Sponge <i>Aaptos aaptos</i> Impairs Herpes simplex Virus Type 1 Penetration and Immediate-Early Protein Synthesis. <i>Planta Medica</i> , 2007, 73, 200-205.	0.7	46
34	Characterization and partial isolation of ouabain-insensitive Na <sup>+</sup> -ATPase in MDCK I cells. <i>Biochimie</i> , 2007, 89, 1425-1432.	1.3	20
35	Fluorescence Spectroscopic Studies of Pressure Effects on Na <sup>+</sup> ,K <sup>+</sup> -ATPase Reconstituted into Phospholipid Bilayers and Model Raft Mixtures. <i>Biochemistry</i> , 2007, 46, 1672-1683.	1.2	33
36	In vitro Antiviral Effect of Meroditerpenes Isolated from the Brazilian Seaweed <i>Styopodium zonale</i> (Dictyotales). <i>Planta Medica</i> , 2007, 73, 1221-1224.	0.7	36

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37	The chloroquinolinic derivative 6-chloro-1,4-dihydro-4-oxo-1-( $\beta$ -D-ribofuranosyl) quinoline-3-carboxylic acid inhibits HSV-1 adsorption by impairing its adsorption on HVEM. <i>Archives of Virology</i> , 2007, 152, 1417-1424.	0.9	9
38	The $\beta$ subunit of Na <sup>+</sup> , K <sup>+</sup> -ATPase: Role on ATPase activity and regulatory phosphorylation by PKA. <i>International Journal of Biochemistry and Cell Biology</i> , 2006, 38, 1901-1913.	1.2	24
39	Ouabain induces an increase of retinal ganglion cell survival in vitro: The involvement of protein kinase C. <i>Brain Research</i> , 2005, 1049, 89-94.	1.1	28
40	Characterization of a RAB5 homologue in <i>Trypanosoma cruzi</i> . <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 638-645.	1.0	17
41	Characterization of RAB-like4, the first identified RAB-like protein from <i>Trypanosoma cruzi</i> with GTPase activity. <i>Biochemical and Biophysical Research Communications</i> , 2005, 333, 808-817.	1.0	7
42	Gill microsomal (Na <sup>+</sup> ,K <sup>+</sup> )-ATPase from the blue crab <i>Callinectes danae</i> : Interactions at cationic sites. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 2521-2535.	1.2	36
43	Influence of nitric oxide donors on the intrinsic fluorescence of Na <sup>+</sup> ,K <sup>+</sup> -ATPase and effects on the membrane lipids. <i>Nitric Oxide - Biology and Chemistry</i> , 2005, 13, 10-20.	1.2	9
44	Dimethyl Sulfoxide-Induced Conformational State of Na <sup>+</sup> /K <sup>+</sup> -ATPase Studied by Proteolytic Cleavage. <i>Archives of Biochemistry and Biophysics</i> , 2002, 399, 89-95.	1.4	13
45	Stimulation of Ouabain Binding to Na,K-ATPase in 40% Dimethyl Sulfoxide by a Factor from Na,K-ATPase Preparations. <i>Archives of Biochemistry and Biophysics</i> , 1999, 366, 215-223.	1.4	20
46	Effect of a Low Molecular Weight Factor from Na <sup>+</sup> , K <sup>+</sup> -ATPase Preparations on Ouabain Binding. <i>Annals of the New York Academy of Sciences</i> , 1997, 834, 631-633.	1.8	1
47	The effect of dimethylsulfoxide on the substrate site of Na <sup>+</sup> /K <sup>+</sup> -ATPase studied through phosphorylation by inorganic phosphate and ouabain binding. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1995, 1235, 43-51.	1.4	10
48	The role of Mg <sup>2+</sup> and K <sup>+</sup> in the phosphorylation of Na <sup>+</sup> ,K <sup>+</sup> -ATPase by ATP in the presence of dimethylsulfoxide but in the absence of Na <sup>+</sup> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1992, 1104, 215-225.	1.4	16
49	Phosphorylation of Na <sup>+</sup> ,K <sup>+</sup> -ATPase by ATP in the presence of K <sup>+</sup> and dimethylsulfoxide but in the absence of Na <sup>+</sup> . <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 1990, 1023, 266-273.	1.4	12