

Leandro A Barbosa

List of Publications by Citations

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Version: 2024-04-10

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60 papers	527 citations	14 h-index	18 g-index
68 ext. papers	646 ext. citations	3.2 avg, IF	3.61 L-index

#	Paper	IF	Citations
60	21-Benzylidene digoxin: a proapoptotic cardenolide of cancer cells that up-regulates Na,K-ATPase and epithelial tight junctions. <i>PLoS ONE</i> , 2014 , 9, e108776	3.7	27
59	Iron overload: Effects on cellular biochemistry. <i>Clinica Chimica Acta</i> , 2020 , 504, 180-189	6.2	27
58	Effects of gamma-irradiation on the membrane ATPases of human erythrocytes from transfusional blood concentrates. <i>Annals of Hematology</i> , 2008 , 87, 113-9	3	24
57	TPA-induced signal transduction: a link between PKC and EGFR signaling modulates the assembly of intercellular junctions in Caco-2 cells. <i>Cell and Tissue Research</i> , 2003 , 312, 319-31	4.2	24
56	Development and evaluation of sustained-release etoposide-loaded poly(ϵ -caprolactone) implants. <i>AAPS PharmSciTech</i> , 2013 , 14, 890-900	3.9	20
55	Effects of Iron Overload on the Activity of Na,K-ATPase and Lipid Profile of the Human Erythrocyte Membrane. <i>PLoS ONE</i> , 2015 , 10, e0132852	3.7	19
54	Cytotoxic and cytostatic effects of digitoxigenin monodigitoxoside (DGX) in human lung cancer cells and its link to Na,K-ATPase. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 97, 684-696	7.5	19
53	Lipase Activity in the Larval Midgut of <i>Rhynchophorus palmarum</i> : Biochemical Characterization and the Effects of Reducing Agents. <i>Insects</i> , 2017 , 8,	2.8	18
52	Design and synthesis of new chacones substituted with azide/triazole groups and analysis of their cytotoxicity towards HeLa cells. <i>Molecules</i> , 2012 , 17, 10331-43	4.8	18
51	Efficacy of methotrexate-loaded poly(ϵ -caprolactone) implants in Ehrlich solid tumor-bearing mice. <i>Drug Delivery</i> , 2013 , 20, 168-79	7	17
50	Reduced CD8 T cells infiltration can be associated to a malignant transformation in potentially malignant oral epithelial lesions. <i>Clinical Oral Investigations</i> , 2019 , 23, 1913-1919	4.2	17
49	Ouabain-induced alterations of the apical junctional complex involve β and γ 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	2.3	15
48	New bufadienolides extracted from <i>Rhinella marina</i> inhibit Na,K-ATPase and induce apoptosis by activating caspases 3 and 9 in human breast and ovarian cancer cells. <i>Steroids</i> , 2019 , 152, 108490	2.8	14
47	Differences of lipid membrane modulation and oxidative stress by digoxin and 21-benzylidene digoxin. <i>Experimental Cell Research</i> , 2017 , 359, 291-298	4.2	14
46	The effect of gamma radiation on the lipid profile of irradiated red blood cells. <i>Annals of Hematology</i> , 2014 , 93, 753-60	3	14
45	Evaluation of guanylhydrazone derivatives as inhibitors of <i>Candida rugosa</i> digestive lipase: Biological, biophysical, theoretical studies and biotechnological application. <i>Bioorganic Chemistry</i> , 2019 , 87, 169-180	5.1	13
44	Iron overload impact on P-ATPases. <i>Annals of Hematology</i> , 2018 , 97, 377-385	3	12

43	The effect of Radiation on the hemoglobin of stored red blood cells: the involvement of oxidative stress in hemoglobin conformation. <i>Annals of Hematology</i> , 2013 , 92, 899-906	3	12
42	Ouabain attenuates oxidative stress and modulates lipid composition in hippocampus of rats in lipopolysaccharide-induced hypocalcemic neuroinflammation in rats. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 4081-4091	4.7	12
41	Selectivity analyses of Benzylidene digoxin derivatives to different Na,K-ATPase isoforms: a molecular docking approach. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 85-97	5.6	12
40	Ouabain attenuates the oxidative stress induced by lipopolysaccharides in the cerebellum of rats. <i>Journal of Cellular Biochemistry</i> , 2018 , 119, 2156-2167	4.7	11
39	Cytotoxic effects of the cardenolide convallatoxin and its Na,K-ATPase regulation. <i>Molecular and Cellular Biochemistry</i> , 2017 , 428, 23-39	4.2	10
38	Benzylidene digoxin derivatives synthesis and molecular modeling: Evaluation of anticancer and the Na,K-ATPase activity effect. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 4397-4404	3.4	10
37	Cytotoxicity of AMANTADIG - a semisynthetic digitoxigenin derivative - alone and in combination with docetaxel in human hormone-refractory prostate cancer cells and its effect on Na/K-ATPase inhibition. <i>Biomedicine and Pharmacotherapy</i> , 2018 , 107, 464-474	7.5	10
36	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	4.7	9
35	21-Benzylidene digoxin, a novel digoxin hemi-synthetic derivative, presents an anti-inflammatory activity through inhibition of edema, tumour necrosis factor alpha production, inducible nitric oxide synthase expression and leucocyte migration. <i>International Immunopharmacology</i> , 2018 , 65, 174-181	5.8	9
34	Ouabain promotes partial epithelial to mesenchymal transition (EMT) changes in human autosomal dominant polycystic kidney disease (ADPKD) cells. <i>Experimental Cell Research</i> , 2017 , 355, 142-152	4.2	8
33	Ouabain Modulates the Lipid Composition of Hippocampal Plasma Membranes from Rats with LPS-induced Neuroinflammation. <i>Journal of Membrane Biology</i> , 2015 , 248, 1191-8	2.3	7
32	Could Na,K-ATPase play a role in potassium leakage from irradiated erythrocytes?. <i>Clinica Chimica Acta</i> , 2014 , 433, 58-61	6.2	7
31	Administração de antibióticos por via subcutânea: uma revisão integrativa da literatura. <i>ACTA Paulista De Enfermagem</i> , 2012 , 25, 817-822	0.7	7
30	Oxidative stress and Na,K-ATPase activity differential regulation in brainstem and forebrain of Wistar Audiogenic rats may lead to increased seizure susceptibility. <i>Brain Research</i> , 2018 , 1679, 171-178	3.7	7
29	Erythema multiforme associated with prophylactic use of phenytoin during cranial radiation therapy. <i>American Journal of Health-System Pharmacy</i> , 2008 , 65, 1048-50	2.2	6
28	21-Benzylidene digoxin decreases proliferation by inhibiting the EGFR/ERK signaling pathway and induces apoptosis in HeLa cells. <i>Steroids</i> , 2020 , 155, 108551	2.8	6
27	Antagonistic anticancer effect of paclitaxel and digoxin combination. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 13107-13114	4.7	5
26	The Influence of Fatty Acid Methyl Esters (FAMES) in the Biochemistry and the Na(+)/K(+)-ATPase Activity of <i>Culex quinquefasciatus</i> Larvae. <i>Journal of Membrane Biology</i> , 2016 , 249, 459-67	2.3	5

25	Screening of the BRCA1 gene in Brazilian patients with breast and/or ovarian cancer via high-resolution melting reaction analysis. <i>Familial Cancer</i> , 2016 , 15, 173-81	3	5
24	Semente de linhaça e o efeito de seus compostos sobre as células mamárias. <i>Revista Brasileira De Farmacognosia</i> , 2009 , 19, 727-732	2	5
23	Spontaneous thrombosis of a malformation of the vein of Galen. <i>Arquivos De Neuro-Psiquiatria</i> , 2010 , 68, 648-50	1.6	5
22	Synthesis of Cardiac Steroids and Their Role on Heart Failure and Cancer. <i>Studies in Natural Products Chemistry</i> , 2018 , 57, 79-113	1.5	5
21	Chemical composition and antimicrobial activity of cuticular and internal lipids of the insect <i>Rhynchophorus palmarum</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2020 , 105, e21723	2.3	4
20	Effects of high fat diet on kidney lipid content and the Na,K-ATPase activity. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2018 , 54,	1.8	4
19	Evaluation of neuroprotective activity of digoxin and semisynthetic derivatives against partial chemical ischemia. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 17108-17122	4.7	3
18	Properties of novel surfactin-derived biosurfactants obtained through solid-phase synthesis. <i>Journal of Peptide Science</i> , 2018 , 24, e3129	2.1	3
17	Oxidative stress assessment in sickle cell anemia patients treated with hydroxyurea. <i>Annals of Hematology</i> , 2020 , 99, 937-945	3	2
16	In vitro Cytotoxic Activity of Ethalcohen-substituted Michael-aldol Type Adducts Against Hela and RKO Cell Lines. <i>Journal of Biological Sciences</i> , 2013 , 13, 628-633	0.4	2
15	Na, K-ATPase Cell Signaling Pathways and Cancer 2016 , 51-61		2
14	Cytotoxicity of glucoevatromonoside alone and in combination with chemotherapy drugs and their effects on Na,K-ATPase and ion channels on lung cancer cells. <i>Molecular and Cellular Biochemistry</i> , 2021 , 476, 1825-1848	4.2	2
13	Effects of digoxin and Na, K-ATPase immunoexpression on human oral squamous carcinomas. <i>Anticancer Research</i> , 2014 , 34, 5397-403	2.3	2
12	Assays with recombinant soluble isoforms of DC-SIGN, a dengue virus ligand, show variation in their ability to bind to mannose residues. <i>Archives of Virology</i> , 2019 , 164, 2793-2797	2.6	1
11	Evaluation of the Erythrocyte Membrane in Head and Neck Cancer Patients. <i>Journal of Membrane Biology</i> , 2020 , 253, 617-629	2.3	1
10	CD4, CD8 and PD1 immunoexpression in oral premalignant lesions (PML) and oral squamous cell carcinoma (OSCC) and its association with malignant transformation.. <i>Journal of Clinical Oncology</i> , 2018 , 36, 113-113	2.2	1
9	Evaluation of Cardiotonic Steroid Modulation of Cellular Cholesterol and Phospholipid. <i>Journal of Membrane Biology</i> , 2021 , 254, 499-512	2.3	1
8	Evaluation of the effect of cafeteria diet on the kidney Na,K-ATPase activity, and oxidative stress. <i>Journal of Cellular Biochemistry</i> , 2019 , 120, 19052-19063	4.7	0

7	Effect of Fe on Na,K-ATPase: Unexpected activation of ATP hydrolysis.. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022 , 1864, 183868	3.8	o
6	Implications of Synthetic Modifications of the Cardiotonic Steroid Lactone Ring on Cytotoxicity. <i>Journal of Membrane Biology</i> , 2021 , 254, 487-497	2.3	o
5	The Benzylidene Digoxin Derivative BD-15 Increases the β -Na, K-ATPase Activity in Rat Hippocampus and Prefrontal Cortex and no Change on Heart. <i>Journal of Membrane Biology</i> , 2021 , 254, 189-199	2.3	o
4	Cytotoxic effect of carbohydrate derivatives of digitoxigenin involves modulation of plasma membrane Ca ²⁺ -ATPase. <i>Journal of Cellular Biochemistry</i> , 2021 , 122, 1903-1914	4.7	o
3	Adverse reactions to docetaxel: an active survey. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2015 , 51, 551-559	1.8	
2	Clinical pathology differences in laboratory utilization in hospice and nonhospice units. <i>American Journal of Hospice and Palliative Medicine</i> , 2009 , 26, 79-83	2.6	
1	Tumor Tissue Oxidative Stress Changes and Na, K-ATPase Evaluation in Head and Neck Squamous Cell Carcinoma. <i>Journal of Membrane Biology</i> , 2021 , 254, 475-486	2.3	