

Leandro A Barbosa

List of Publications by Year in descending order

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65
papers

741
citations

516710

16
h-index

677142

22
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68
all docs

68
docs citations

68
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Iron overload: Effects on cellular biochemistry. <i>Clinica Chimica Acta</i> , 2020, 504, 180-189.	1.1	52
2	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.	5.6	34
3	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.	2.5	32
4	Lipase Activity in the Larval Midgut of <i>Rhynchophorus palmarum</i> : Biochemical Characterization and the Effects of Reducing Agents. <i>Insects</i> , 2017, 8, 100.	2.2	30
5	Effects of γ -irradiation on the membrane ATPases of human erythrocytes from transfusional blood concentrates. <i>Annals of Hematology</i> , 2008, 87, 113-119.	1.8	28
6	Development and Evaluation of Sustained-Release Etoposide-Loaded Poly(μ -Caprolactone) Implants. <i>AAPS PharmSciTech</i> , 2013, 14, 890-900.	3.3	27
7	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, 319-331.	2.9	25
8	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.	2.5	25
9	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.	3.0	24
10	Efficacy of methotrexate-loaded poly(μ -caprolactone) implants in Ehrlich solid tumor-bearing mice. <i>Drug Delivery</i> , 2013, 20, 168-179.	5.7	22
11	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.	4.1	20
12	Ouabain attenuates oxidative stress and modulates lipid composition in hippocampus of rats in lipopolysaccharide-induced hypocalcemic hippocampal neuroinflammation in rats. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 4081-4091.	2.6	20
13	Design and Synthesis of New Chalcones Substituted with Azide/Triazole Groups and Analysis of Their Cytotoxicity Towards HeLa Cells. <i>Molecules</i> , 2012, 17, 10331-10343.	3.8	19
14	Ouabain-Induced Alterations of the Apical Junctional Complex Involve Ca^{2+} and Ca^{2+} 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.	2.1	17
15	The effect of gamma radiation on the lipid profile of irradiated red blood cells. <i>Annals of Hematology</i> , 2014, 93, 753-760.	1.8	17
16	Differences of lipid membrane modulation and oxidative stress by digoxin and 21-benzylidene digoxin. <i>Experimental Cell Research</i> , 2017, 359, 291-298.	2.6	16
17	Iron overload impact on P-ATPases. <i>Annals of Hematology</i> , 2018, 97, 377-385.	1.8	16
18	Ouabain attenuates the oxidative stress induced by lipopolysaccharides in the cerebellum of rats. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 2156-2167.	2.6	16

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19	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.	1.8	16
20	Selectivity analyses of $\hat{1}^3$ -benzylidene digoxin derivatives to different Na,K-ATPase $\hat{1}^{\pm}$ isoforms: a molecular docking approach. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018, 33, 85-97.	5.2	15
21	The effect of $\hat{1}^3$ -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.	1.8	14
22	$\hat{1}^3$ -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.	3.0	14
23	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.	5.6	13
24	21"Benzyldene 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.	3.8	12
25	Cytotoxic effects of the cardenolide convallatoxin and its Na,K-ATPase regulation. <i>Molecular and Cellular Biochemistry</i> , 2017, 428, 23-39.	3.1	11
26	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.	2.6	11
27	Erythema multiforme associated with prophylactic use of phenytoin during cranial radiation therapy. <i>American Journal of Health-System Pharmacy</i> , 2008, 65, 1048-1050.	1.0	10
28	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, 173-181.	1.9	10
29	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.	2.6	10
30	21-Benzyldene digoxin decreases proliferation by inhibiting the EGFR/ERK signaling pathway and induces apoptosis in HeLa cells. <i>Steroids</i> , 2020, 155, 108551.	1.8	10
31	Administra"o de antibi"ticos por via subcut"nea: uma revis"o integrativa da literatura. <i>ACTA Paulista De Enfermagem</i> , 2012, 25, 817-822.	0.6	10
32	Semente de linha"sa e o efeito de seus compostos sobre as c"lulas mam"rias. <i>Revista Brasileira De Farmacognosia</i> , 2009, 19, 727-732.	1.4	9
33	Could Na,K-ATPase play a role in potassium leakage from irradiated erythrocytes?. <i>Clinica Chimica Acta</i> , 2014, 433, 58-61.	1.1	9
34	Ouabain Modulates the Lipid Composition of Hippocampal Plasma Membranes from Rats with LPS-induced Neuroinflammation. <i>Journal of Membrane Biology</i> , 2015, 248, 1191-1198.	2.1	8
35	Effects of high fat diet on kidney lipid content and the Na,K-ATPase activity. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2018, 54, .	1.2	8
36	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.	1.5	8

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37	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, 459-467.	2.1	7
38	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.	2.2	7
39	Evaluation of neuroprotective activity of digoxin and semisynthetic derivatives against partial chemical ischemia. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 17108-17122.	2.6	7
40	Antagonistic anticancer effect of paclitaxel and digoxin combination. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 13107-13114.	2.6	7
41	Spontaneous thrombosis of a malformation of the vein of Galen. <i>Arquivos De Neuro-Psiquiatria</i> , 2010, 68, 648-650.	0.8	7
42	Synthesis of Cardiac Steroids and Their Role on Heart Failure and Cancer. <i>Studies in Natural Products Chemistry</i> , 2018, 57, 79-113.	1.8	5
43	Properties of novel surfactin-derived biosurfactants obtained through solid-phase synthesis. <i>Journal of Peptide Science</i> , 2018, 24, e3129.	1.4	4
44	Evaluation of the Erythrocyte Membrane in Head and Neck Cancer Patients. <i>Journal of Membrane Biology</i> , 2020, 253, 617-629.	2.1	4
45	Oxidative stress assessment in sickle cell anemia patients treated with hydroxyurea. <i>Annals of Hematology</i> , 2020, 99, 937-945.	1.8	4
46	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.	3.1	3
47	Implications of Synthetic Modifications of the Cardiotonic Steroid Lactone Ring on Cytotoxicity. <i>Journal of Membrane Biology</i> , 2021, 254, 487-497.	2.1	3
48	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.	2.6	3
49	In vitro Cytotoxic Activity of Î ² -chalcogen-substituted Michael-aldol Type Adducts Against Hela and RKO Cell Lines. <i>Journal of Biological Sciences</i> , 2013, 13, 628-633.	0.3	3
50	Evaluation of Cardiotonic Steroid Modulation of Cellular Cholesterol and Phospholipid. <i>Journal of Membrane Biology</i> , 2021, 254, 499-512.	2.1	3
51	The Î ³ -Benzylidene Digoxin Derivative BD-15 Increases the Î± ₃ -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.	2.1	2
52	Na, K-ATPase Cell Signaling Pathways and Cancer. , 2016, , 51-61.		2
53	Effect of Fe ³⁺ on Na,K-ATPase: Unexpected activation of ATP hydrolysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2022, 1864, 183868.	2.6	2
54	Effects of digoxin and Na, K-ATPase immunoexpression on human oral squamous carcinomas. <i>Anticancer Research</i> , 2014, 34, 5397-403.	1.1	2

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55	Adverse reactions to docetaxel: an active survey. <i>Brazilian Journal of Pharmaceutical Sciences</i> , 2015, 51, 551-559.	1.2	1
56	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.	2.6	1
57	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.	2.1	1
58	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.	2.1	1
59	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.	1.6	1
60	Biochemical Evaluation of the Effects of Hydroxyurea in Vitro on Red Blood Cells. <i>Antioxidants</i> , 2021, 10, 1599.	5.1	1
61	Cold agglutinin disease (CAD)with autoimmune haemolytic anaemia: a case report of a coronary artery disease patient. <i>Revista Brasileira De Hematologia E Hemoterapia</i> , 2008, 30, .	0.7	1
62	Osteoradionecrosis of the jaw infected with <i>Actinomyces</i> sp: a challenge for clinical practice. <i>Bioscience Journal</i> , 2015, 31, 296-302.	0.4	1
63	Clinical Pathology Differences in Laboratory Utilization in Hospice and Nonhospice Units. <i>American Journal of Hospice and Palliative Medicine</i> , 2009, 26, 79-83.	1.4	0
64	21- β -benzylidene digoxin effect on tight junctions proteins. <i>FASEB Journal</i> , 2013, 27, .	0.5	0
65	Osteoradionecrosis of the jaw infected with <i>Actinomyces</i> sp: a challenge for clinical practice. <i>Bioscience Journal</i> , 0, , 296-302.	0.4	0