

Adalberto Vieyra

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85
papers

1,141
citations

19
h-index

28
g-index

91
ext. papers

1,340
ext. citations

3.7
avg. IF

3.92
L-index

#	Paper	IF	Citations
85	Extracellular vesicles released from mesenchymal stromal cells modulate miRNA in renal tubular cells and inhibit ATP depletion injury. <i>Stem Cells and Development</i> , 2014 , 23, 1809-19	4.4	90
84	Mesenchymal stem cells and cell-derived extracellular vesicles protect hippocampal neurons from oxidative stress and synapse damage induced by amyloid- β oligomers. <i>Journal of Biological Chemistry</i> , 2018 , 293, 1957-1975	5.4	89
83	A mutational study in the transmembrane domain of Ccc2p, the yeast Cu(I)-ATPase, shows different roles for each Cys-Pro-Cys cysteine. <i>Journal of Biological Chemistry</i> , 2004 , 279, 25986-94	5.4	39
82	Metabolic programming during lactation stimulates renal Na ⁺ transport in the adult offspring due to an early impact on local angiotensin II pathways. <i>PLoS ONE</i> , 2011 , 6, e21232	3.7	30
81	Extracellular vesicles as regulators of tumor fate: crosstalk among cancer stem cells, tumor cells and mesenchymal stem cells. <i>Stem Cell Investigation</i> , 2017 , 4, 75	5.1	28
80	Knockout of Toll-Like Receptors 2 and 4 Prevents Renal Ischemia-Reperfusion-Induced Cardiac Hypertrophy in Mice. <i>PLoS ONE</i> , 2015 , 10, e0139350	3.7	28
79	Paracrine interaction between bone marrow-derived stem cells and renal epithelial cells. <i>Cellular Physiology and Biochemistry</i> , 2011 , 28, 267-78	3.9	27
78	Adenosine inhibits the renal plasma-membrane (Ca ²⁺ + Mg ²⁺)-ATPase through a pathway sensitive to cholera toxin and sphingosine. <i>FEBS Journal</i> , 1999 , 263, 71-8		27
77	Placental oxidative stress in malnourished rats and changes in kidney proximal tubule sodium ATPases in offspring. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 1157-63	3	25
76	Renal molecular mechanisms underlying altered Na ⁺ handling and genesis of hypertension during adulthood in prenatally undernourished rats. <i>British Journal of Nutrition</i> , 2014 , 111, 1932-44	3.6	24
75	Placental malnutrition changes the regulatory network of renal Na-ATPase in adult rat progeny: Reprogramming by maternal tocopherol during lactation. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 505, 91-7	4.1	24
74	Ceramide is a potent activator of plasma membrane Ca ²⁺ -ATPase from kidney-proximal tubule cells with protein kinase A as an intermediate. <i>Journal of Biological Chemistry</i> , 2007 , 282, 24599-606	5.4	24
73	Adipose-Derived Mesenchymal Stromal Cells Under Hypoxia: Changes in Extracellular Vesicles Secretion and Improvement of Renal Recovery after Ischemic Injury. <i>Cellular Physiology and Biochemistry</i> , 2019 , 52, 1463-1483	3.9	24
72	Fetal development and renal function in adult rats prenatally subjected to sodium overload. <i>Pediatric Nephrology</i> , 2009 , 24, 1959-65	3.2	21
71	The plasma membrane Ca ²⁺ pump from proximal kidney tubules is exclusively localized and active in caveolae. <i>FEBS Letters</i> , 2004 , 576, 31-5	3.8	21
70	Luminal ANG II is internalized as a complex with ATR/ATR heterodimers to target endoplasmic reticulum in LLC-PK cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 313, F440-F449	4.3	20
69	Cardiac Inflammation after Ischemia-Reperfusion of the Kidney: Role of the Sympathetic Nervous System and the Renin-Angiotensin System. <i>Cellular Physiology and Biochemistry</i> , 2019 , 53, 587-605	3.9	20

68	The impact of stem cells on electron fluxes, proton translocation, and ATP synthesis in kidney mitochondria after ischemia/reperfusion. <i>Cell Transplantation</i> , 2014 , 23, 207-20	4	19
67	Chronic undernutrition alters renal active Na ⁺ transport in young rats: potential hidden basis for pathophysiological alterations in adulthood?. <i>European Journal of Nutrition</i> , 2009 , 48, 437-45	5.2	19
66	Bone marrow mononuclear cells attenuate interstitial fibrosis and stimulate the repair of tubular epithelial cells after unilateral ureteral obstruction. <i>Cellular Physiology and Biochemistry</i> , 2009 , 24, 585-94	2.9	18
65	Ang-(3-4) suppresses inhibition of renal plasma membrane calcium pump by Ang II. <i>Regulatory Peptides</i> , 2009 , 155, 81-90		18
64	Protein kinase C-mediated inhibition of renal Ca ²⁺ ATPase by physiological concentrations of angiotensin II is reversed by AT1- and AT2-receptor antagonists. <i>Regulatory Peptides</i> , 2005 , 127, 151-7		18
63	Adipose Mesenchymal Cells-Derived EVs Alleviate DOCA-Salt-Induced Hypertension by Promoting Cardio-Renal Protection. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020 , 16, 63-77	6.4	18
62	ANG-(3-4) inhibits renal Na ⁺ -ATPase in hypertensive rats through a mechanism that involves dissociation of ANG II receptors, heterodimers, and PKA. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 306, F855-63	4.3	17
61	Ouabain-Insensitive Na ⁺ -ATPase Activity in Trypanosoma cruzi Epimastigotes. <i>Zeitschrift Fur Naturforschung - Section C Journal of Biosciences</i> , 1999 , 54, 100-104	1.7	17
60	Pyrite suspended in artificial sea water catalyzes hydrolysis of adsorbed ATP: enhancing effect of acetate. <i>Origins of Life and Evolution of Biospheres</i> , 1999 , 29, 361-74	1.5	17
59	Exposure of luminal membranes of LLC-PK1 cells to ANG II induces dimerization of AT1/AT2 receptors to activate SERCA and to promote Ca ²⁺ mobilization. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 302, F875-83	4.3	16
58	Extracellular Vesicles Derived from Induced Pluripotent Stem Cells Promote Renoprotection in Acute Kidney Injury Model. <i>Cells</i> , 2020 , 9,	7.9	15
57	Cyclic AMP-dependent protein kinase controls energy interconversion during the catalytic cycle of the yeast copper-ATPase. <i>FEBS Letters</i> , 2008 , 582, 891-5	3.8	15
56	Pyrophosphate synthesis from phospho(enol)pyruvate catalyzed by precipitated magnesium phosphate with "enzyme-like" activity. <i>Journal of Molecular Evolution</i> , 1992 , 35, 277-85	3.1	15
55	Mechanisms involving Ang II and MAPK/ERK1/2 signaling pathways underlie cardiac and renal alterations during chronic undernutrition. <i>PLoS ONE</i> , 2014 , 9, e100410	3.7	15
54	Altered signaling pathways linked to angiotensin II underpin the upregulation of renal Na(+)-ATPase in chronically undernourished rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2014 , 1842, 2357-66	6.9	14
53	Angiotensin-(3-4) counteracts the Angiotensin II inhibitory action on renal Ca ²⁺ -ATPase through a cAMP/PKA pathway. <i>Regulatory Peptides</i> , 2012 , 177, 27-34		14
52	Ceramide-activated protein kinases A and C zeta inhibit kidney proximal tubule cell Na(+)-ATPase. <i>Archives of Biochemistry and Biophysics</i> , 2010 , 498, 57-61	4.1	14
51	Modulation of adenosine 5Rmonophosphate adsorption onto aqueous resident pyrite: potential mechanisms for prebiotic reactions. <i>Origins of Life and Evolution of Biospheres</i> , 2001 , 31, 343-62	1.5	14

50	Bone marrow mononuclear cells shift bioactive lipid pattern in injured kidney towards tissue repair in rats with unilateral ureteral obstruction. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 3867-74	4.3	13
49	A scrutiny of the biochemical pathways from Ang II to Ang-(3-4) in renal basolateral membranes. <i>Regulatory Peptides</i> , 2009 , 158, 47-56		13
48	Sphingosine-1-phosphate formation activates phosphatidylinositol-4 kinase in basolateral membranes from kidney cells: crosstalk in cell signaling through sphingolipids and phospholipids. <i>Journal of Biochemistry</i> , 2003 , 134, 529-36	3.1	13
47	Adsorption of 5Radenosine monophosphate onto precipitated calcium phosphate: effects of inorganic polyphosphates and carbamyl phosphate. <i>Origins of Life and Evolution of Biospheres</i> , 1990 , 20, 27-41	1.5	13
46	Is angiotensin-(3-4) (Val-Tyr), the shortest angiotensin II-derived peptide, opening new vistas on the renin-angiotensin system?. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2017 , 18, 1470320316689338	3.2	12
45	Undernutrition affects cell survival, oxidative stress, Ca ²⁺ handling and signaling pathways in vas deferens, crippling reproductive capacity. <i>PLoS ONE</i> , 2013 , 8, e69682	3.7	12
44	Ca ²⁺ /calmodulin-dependent protein kinase II is an essential mediator in the coordinated regulation of electrocyte Ca ²⁺ -ATPase by calmodulin and protein kinase A. <i>Journal of Biological Chemistry</i> , 2005 , 280, 30611-8	5.4	12
43	Surface charges and interfaces: implications for mineral roles in prebiotic chemistry. <i>Anais Da Academia Brasileira De Ciencias</i> , 2000 , 72, 317-22	1.4	12
42	Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: a model for primitive energy-conservation pathways. <i>Origins of Life and Evolution of Biospheres</i> , 1995 , 25, 335-50	1.5	12
41	Adsorption of 5RAMP and catalytic synthesis of 5RADP onto phosphate surfaces: correlation to solid matrix structures. <i>Origins of Life and Evolution of Biospheres</i> , 1995 , 25, 351-73	1.5	11
40	Modulation of hepatic copper-ATPase activity by insulin and glucagon involves protein kinase A (PKA) signaling pathway. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 2086-2097	6.9	10
39	Perinatal Na ⁺ overload programs raised renal proximal Na ⁺ transport and enalapril-sensitive alterations of Ang II signaling pathways during adulthood. <i>PLoS ONE</i> , 2012 , 7, e43791	3.7	10
38	Perinatal Tocopherol overload programs alterations in kidney development and renal angiotensin II signaling pathways at birth and at juvenile age: Mechanisms underlying the development of elevated blood pressure. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 2458-2471	6.9	9
37	The contralateral kidney presents with impaired mitochondrial functions and disrupted redox homeostasis after 14 days of unilateral ureteral obstruction in mice. <i>PLoS ONE</i> , 2019 , 14, e0218986	3.7	9
36	Prenatal undernutrition changes renovascular responses of nimesulide in rat kidneys. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2011 , 108, 115-21	3.1	9
35	Diacylglycerol kinase activity in purified basolateral membranes of kidney tubules. I. Evidence for coupling with phospholipase C. <i>International Journal of Biochemistry and Cell Biology</i> , 2005 , 37, 79-90	5.6	9
34	Progressive inactivation of plasma membrane (Ca ²⁺ +Mg ²⁺)ATPase by Cd ²⁺ in the absence of ATP and reversible inhibition during catalysis. <i>Biochemistry</i> , 1998 , 37, 15261-5	3.2	9
33	Proteomics of cell-cell interactions in health and disease. <i>Proteomics</i> , 2016 , 16, 328-44	4.8	9

32	Mechanisms of kidney repair by human mesenchymal stromal cells after ischemia: a comprehensive view using label-free MS(E). <i>Proteomics</i> , 2014 , 14, 1480-93	4.8	8
31	Proteomics in the World of Induced Pluripotent Stem Cells. <i>Cells</i> , 2019 , 8,	7.9	7
30	Reduced cholesterol levels in renal membranes of undernourished rats may account for urinary Na ⁺ loss. <i>European Journal of Nutrition</i> , 2013 , 52, 1233-42	5.2	7
29	Golgi membranes from liver express an ATPase with femtomolar copper affinity, inhibited by cAMP-dependent protein kinase. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 358-62	5.6	6
28	Phosphate sorption and desorption on pyrite in primitive aqueous scenarios: relevance of acidic --> alkaline transitions. <i>Origins of Life and Evolution of Biospheres</i> , 2007 , 37, 27-45	1.5	6
27	Phosphate immobilization by oxide precursors: implications on phosphate availability before life on earth. <i>Origins of Life and Evolution of Biospheres</i> , 2003 , 33, 37-52	1.5	6
26	Long-term effect of a chronic low-protein multideficient diet on the heart: Hypertension and heart failure in chronically malnourished young adult rats. <i>International Journal of Cardiology</i> , 2017 , 238, 43-56 ^{3,2}	3.2	5
25	Two serine residues control sequential steps during catalysis of the yeast copper ATPase through different mechanisms that involve kinase-mediated phosphorylations. <i>Journal of Biological Chemistry</i> , 2011 , 286, 6879-89	5.4	5
24	Divalent cations modify adsorption of 5RAMP onto precipitated calcium phosphate: a model for cation modulation of adsorptive processes in primitive aqueous environments. <i>Journal of Molecular Evolution</i> , 1996 , 43, 425-30	3.1	5
23	Tartrate-resistant phosphatase type 5 in <i>Trypanosoma cruzi</i> 's important for resistance to oxidative stress promoted by hydrogen peroxide. <i>Experimental Parasitology</i> , 2019 , 205, 107748	2.1	4
22	Rats undernourished in utero have altered Ca ²⁺ signaling and reduced fertility in adulthood. <i>Physiological Reports</i> , 2015 , 3, e12587	2.6	4
21	Histone Deacetylase Activity and the Renin-Angiotensin-Aldosterone System: Key Elements in Cardiorenal Alterations Provoked by Chronic Malnutrition in Male Adult Rats. <i>Cellular Physiology and Biochemistry</i> , 2020 , 54, 1143-1162	3.9	4
20	Bioactive lipids are altered in the kidney of chronic undernourished rats: is there any correlation with the progression of prevalent nephropathies?. <i>Lipids in Health and Disease</i> , 2017 , 16, 245	4.4	3
19	Mineral interface in extreme habitats: a niche for primitive molecular evolution for the appearance of different forms of life on earth. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2007 , 146, 10-21	3.2	3
18	Type 2 diabetes mellitus alters cardiac mitochondrial content and function in a non-obese mice model. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020 , 92, e20191340	1.4	3
17	The Functioning of Na-ATPases from Protozoan Parasites: Are These Pumps Targets for Antiparasitic Drugs?. <i>Cells</i> , 2020 , 9,	7.9	3
16	ATP7B activity is stimulated by PKC ϵ in porcine liver. <i>International Journal of Biochemistry and Cell Biology</i> , 2014 , 54, 60-7	5.6	2
15	Early changes on proximal tubule Na ⁺ -ATPase activity precede blood pressure elevation and renal dysfunction induced by intrauterine undernutrition: reprogramming by Tocopherol. <i>FASEB Journal</i> , 2013 , 27, 907.3	0.9	2

14	A ferric reductase of <i>Trypanosoma cruzi</i> (TcFR) is involved in iron metabolism in the parasite. <i>Experimental Parasitology</i> , 2020 , 217, 107962	2.1	2
13	Acute Myocardial Infarction Reduces Respiration in Rat Cardiac Fibers, despite Adipose Tissue Mesenchymal Stromal Cell Transplant. <i>Stem Cells International</i> , 2020 , 2020, 4327965	5	1
12	Alpha-Tocopherol during lactation and after weaning alters the programming effect of prenatal high salt intake on cardiac and renal functions of adult male offspring. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2019 , 46, 1151-1165	3	1
11	Pyrite Suspended in Artificial Sea Water Catalyzes Hydrolysis of Adsorbed ATP: Enhancing Effect of Acetate. <i>Origins of Life and Evolution of Biospheres</i> , 1999 , 29, 547-547	1.5	1
10	Undernutrition - thirty years of the Regional Basic Diet: the legacy of Nañe Teodósio in different fields of knowledge. <i>Nutritional Neuroscience</i> , 2021 , 1-22	3.6	1
9	Angiotensin-(3-4) normalizes blood pressure, decreases Na and energy intake, but preserves urinary Na excretion in overweight hypertensive rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2021 , 1867, 166012	6.9	1
8	Diminazene aceturate, an angiotensin converting enzyme 2 (ACE2) activator, promotes cardioprotection in ischemia/reperfusion-induced cardiac injury.. <i>Peptides</i> , 2022 , 151, 170746	3.8	0
7	Bone Marrow Mononuclear Cells Restore Normal Mitochondrial Ca Handling and Ca-Induced Depolarization of the Internal Mitochondrial Membrane by Inhibiting the Permeability Transition Pore After Ischemia/Reperfusion.. <i>Cell Transplantation</i> , 2022 , 31, 9636897221085883	4	0
6	Liver steatosis, cardiac and renal fibrosis, and hypertension in overweight rats: Angiotensin-(3-4)-sensitive hepatocardiorenal syndrome.. <i>Metabolism Open</i> , 2022 , 14, 100176	2.8	0
5	The Role of the Second Na ⁺ Pump in Mammals and Parasites 2016 , 93-112		
4	An Iron Transporter Is Involved in Iron Homeostasis, Energy Metabolism, Oxidative Stress, and Metacyclogenesis in .. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 789401	5.9	
3	Adsorption and Catalysis of Nucleotide Hydrolysis by Pyrite in Media Simulating Primeval Aqueous Environments. <i>Cellular Origin and Life in Extreme Habitats</i> , 2004 , 161-164		
2	Ceramide-1-Phosphate as a Potential Regulator of the Second Sodium Pump from Kidney Proximal Tubules by Triggering Distinct Protein Kinase Pathways in a Hierarchic Way. <i>Current Issues in Molecular Biology</i> , 2022 , 44, 998-1011	2.9	
1	Sphingosine 1-Phosphate Prevents Human Embryonic Stem Cell Death Following Ischemic Injury. <i>European Journal of Lipid Science and Technology</i> , 2020 , 2200019	3	