Adalberto Vieyra

List of Publications by Year in Descending Order

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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.

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	Diminazene aceturate, an angiotensin converting enzyme 2 (ACE2) activator, promotes cardioprotection in ischemia/reperfusion-induced cardiac injury.. *Peptides*, **2022**, 151, 170746	3.8	0
84	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.. *Cell Transplantation*, **2022**, 31, 9636897221085883	4	0
83	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. *Current Issues in Molecular Biology*, **2022**, 44, 998-1011	2.9	
82	Liver steatosis, cardiac and renal fibrosis, and hypertension in overweight rats: Angiotensin-(3-4)-sensitive hepatocardiorenal syndrome.. *Metabolism Open*, **2022**, 14, 100176	2.8	0
81	An Iron Transporter Is Involved in Iron Homeostasis, Energy Metabolism, Oxidative Stress, and Metacyclogenesis in .. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 789401	5.9	
80	Undernutrition - thirty years of the Regional Basic Diet: the legacy of Naᵭde Teodᵭio in different fields of knowledge. *Nutritional Neuroscience*, **2021**, 1-22	3.6	1
79	Angiotensin-(3-4) normalizes blood pressure, decreases Na and energy intake, but preserves urinary Na excretion in overweight hypertensive rats. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2021**, 1867, 166012	6.9	1
78	Acute Myocardial Infarction Reduces Respiration in Rat Cardiac Fibers, despite Adipose Tissue Mesenchymal Stromal Cell Transplant. *Stem Cells International*, **2020**, 2020, 4327965	5	1
77	Extracellular Vesicles Derived from Induced Pluripotent Stem Cells Promote Renoprotection in Acute Kidney Injury Model. *Cells*, **2020**, 9,	7.9	15
76	Type 2 diabetes mellitus alters cardiac mitochondrial content and function in a non-obese mice model. *Anais Da Academia Brasileira De Ciencias*, **2020**, 92, e20191340	1.4	3
75	Histone Deacetylase Activity and the Renin-Angiotensin-Aldosterone System: Key Elements in Cardiorenal Alterations Provoked by Chronic Malnutrition in Male Adult Rats. *Cellular Physiology and Biochemistry*, **2020**, 54, 1143-1162	3.9	4
74	Adipose Mesenchymal Cells-Derived EVs Alleviate DOCA-Salt-Induced Hypertension by Promoting Cardio-Renal Protection. *Molecular Therapy - Methods and Clinical Development*, **2020**, 16, 63-77	6.4	18
73	The Functioning of Na-ATPases from Protozoan Parasites: Are These Pumps Targets for Antiparasitic Drugs?. *Cells*, **2020**, 9,	7.9	3
72	A ferric reductase of Trypanosoma cruzi (TcFR) is involved in iron metabolism in the parasite. *Experimental Parasitology*, **2020**, 217, 107962	2.1	2
71	Tartrate-resistant phosphatase type 5 in ˜Trypanosoma cruzi˙is important for resistance to oxidative stress promoted by hydrogen peroxide. *Experimental Parasitology*, **2019**, 205, 107748	2.1	4
70	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. *Clinical and Experimental Pharmacology and Physiology*, **2019**, 46, 1151-1165	3	1
69	Proteomics in the World of Induced Pluripotent Stem Cells. *Cells*, **2019**, 8,	7.9	7

68	The contralateral kidney presents with impaired mitochondrial functions and disrupted redox homeostasis after 14 days of unilateral ureteral obstruction in mice. *PLoS ONE*, **2019**, 14, e0218986	3.7	9
67	Adipose-Derived Mesenchymal Stromal Cells Under Hypoxia: Changes in Extracellular Vesicles Secretion and Improvement of Renal Recovery after Ischemic Injury. *Cellular Physiology and Biochemistry*, **2019**, 52, 1463-1483	3.9	24
66	Cardiac Inflammation after Ischemia-Reperfusion of the Kidney: Role of the Sympathetic Nervous System and the Renin-Angiotensin System. *Cellular Physiology and Biochemistry*, **2019**, 53, 587-605	3.9	20
65	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. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 2458-2471	6.9	9
64	Mesenchymal stem cells and cell-derived extracellular vesicles protect hippocampal neurons from oxidative stress and synapse damage induced by amyloid-□ oligomers. *Journal of Biological Chemistry*, **2018**, 293, 1957-1975	5.4	89
63	Is angiotensin-(3-4) (Val-Tyr), the shortest angiotensin II-derived peptide, opening new vistas on the renin-angiotensin system?. *JRAAS - Journal of the Renin-Angiotensin-Aldosterone System*, **2017**, 18, 1470320316689338	3	12
62	Luminal ANG II is internalized as a complex with ATR/ATR heterodimers to target endoplasmic reticulum in LLC-PK cells. *American Journal of Physiology - Renal Physiology*, **2017**, 313, F440-F449	4.3	20
61	Long-term effect of a chronic low-protein multideficient diet on the heart: Hypertension and heart failure in chronically malnourished young adult rats. *International Journal of Cardiology*, **2017**, 238, 43-56	3.2	5
60	Bioactive lipids are altered in the kidney of chronic undernourished rats: is there any correlation with the progression of prevalent nephropathies?. *Lipids in Health and Disease*, **2017**, 16, 245	4.4	3
59	Extracellular vesicles as regulators of tumor fate: crosstalk among cancer stem cells, tumor cells and mesenchymal stem cells. *Stem Cell Investigation*, **2017**, 4, 75	5.1	28
58	Modulation of hepatic copper-ATPase activity by insulin and glucagon involves protein kinase A (PKA) signaling pathway. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 2086-2097	6.9	10
57	The Role of the Second Na+ Pump in Mammals and Parasites **2016**, 93-112		
56	Proteomics of cell-cell interactions in health and disease. *Proteomics*, **2016**, 16, 328-44	4.8	9
55	Rats undernourished in utero have altered Ca2+ signaling and reduced fertility in adulthood. *Physiological Reports*, **2015**, 3, e12587	2.6	4
54	Knockout of Toll-Like Receptors 2 and 4 Prevents Renal Ischemia-Reperfusion-Induced Cardiac Hypertrophy in Mice. *PLoS ONE*, **2015**, 10, e0139350	3.7	28
53	Extracellular vesicles released from mesenchymal stromal cells modulate miRNA in renal tubular cells and inhibit ATP depletion injury. *Stem Cells and Development*, **2014**, 23, 1809-19	4.4	90
52	Altered signaling pathways linked to angiotensin II underpin the upregulation of renal Na(+)-ATPase in chronically undernourished rats. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2014**, 1842, 2357-66	6.9	14
51	ATP7B activity is stimulated by PKCe in porcine liver. *International Journal of Biochemistry and Cell Biology*, **2014**, 54, 60-7	5.6	2

50	Mechanisms of kidney repair by human mesenchymal stromal cells after ischemia: a comprehensive view using label-free MS(E). *Proteomics*, **2014**, 14, 1480-93	4.8	8
49	The impact of stem cells on electron fluxes, proton translocation, and ATP synthesis in kidney mitochondria after ischemia/reperfusion. *Cell Transplantation*, **2014**, 23, 207-20	4	19
48	Renal molecular mechanisms underlying altered Na+ handling and genesis of hypertension during adulthood in prenatally undernourished rats. *British Journal of Nutrition*, **2014**, 111, 1932-44	3.6	24
47	ANG-(3-4) inhibits renal Na+-ATPase in hypertensive rats through a mechanism that involves dissociation of ANG II receptors, heterodimers, and PKA. *American Journal of Physiology - Renal Physiology*, **2014**, 306, F855-63	4.3	17
46	Mechanisms involving Ang II and MAPK/ERK1/2 signaling pathways underlie cardiac and renal alterations during chronic undernutrition. *PLoS ONE*, **2014**, 9, e100410	3.7	15
45	Reduced cholesterol levels in renal membranes of undernourished rats may account for urinary Na+ loss. *European Journal of Nutrition*, **2013**, 52, 1233-42	5.2	7
44	Undernutrition affects cell survival, oxidative stress, Ca2+ handling and signaling pathways in vas deferens, crippling reproductive capacity. *PLoS ONE*, **2013**, 8, e69682	3.7	12
43	Early changes on proximal tubule Na+-ATPase activity precede blood pressure elevation and renal dysfunction induced by intrauterine undernutrition: reprogramming by □tocopherol. *FASEB Journal*, **2013**, 27, 907.3	0.9	2
42	Angiotensin-(3-4) counteracts the Angiotensin II inhibitory action on renal Ca2+-ATPase through a cAMP/PKA pathway. *Regulatory Peptides*, **2012**, 177, 27-34		14
41	Exposure of luminal membranes of LLC-PK1 cells to ANG II induces dimerization of AT1/AT2 receptors to activate SERCA and to promote Ca2+ mobilization. *American Journal of Physiology - Renal Physiology*, **2012**, 302, F875-83	4.3	16
40	Perinatal Na+ overload programs raised renal proximal Na+ transport and enalapril-sensitive alterations of Ang II signaling pathways during adulthood. *PLoS ONE*, **2012**, 7, e43791	3.7	10
39	Placental malnutrition changes the regulatory network of renal Na-ATPase in adult rat progeny: Reprogramming by maternal □tocopherol during lactation. *Archives of Biochemistry and Biophysics*, **2011**, 505, 91-7	4.1	24
38	Golgi membranes from liver express an ATPase with femtomolar copper affinity, inhibited by cAMP-dependent protein kinase. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 358-62	5.6	6
37	Metabolic programming during lactation stimulates renal Na+ transport in the adult offspring due to an early impact on local angiotensin II pathways. *PLoS ONE*, **2011**, 6, e21232	3.7	30
36	Prenatal undernutrition changes renovascular responses of nimesulide in rat kidneys. *Basic and Clinical Pharmacology and Toxicology*, **2011**, 108, 115-21	3.1	9
35	Paracrine interaction between bone marrow-derived stem cells and renal epithelial cells. *Cellular Physiology and Biochemistry*, **2011**, 28, 267-78	3.9	27
34	Two serine residues control sequential steps during catalysis of the yeast copper ATPase through different mechanisms that involve kinase-mediated phosphorylations. *Journal of Biological Chemistry*, **2011**, 286, 6879-89	5.4	5
33	Bone marrow mononuclear cells shift bioactive lipid pattern in injured kidney towards tissue repair in rats with unilateral ureteral obstruction. *Nephrology Dialysis Transplantation*, **2010**, 25, 3867-74	4.3	13

32	Ceramide-activated protein kinases A and C zeta inhibit kidney proximal tubule cell Na(+)-ATPase. *Archives of Biochemistry and Biophysics*, **2010**, 498, 57-61	4.1	14
31	Bone marrow mononuclear cells attenuate interstitial fibrosis and stimulate the repair of tubular epithelial cells after unilateral ureteral obstruction. *Cellular Physiology and Biochemistry*, **2009**, 24, 585-94	3.9	18
30	Fetal development and renal function in adult rats prenatally subjected to sodium overload. *Pediatric Nephrology*, **2009**, 24, 1959-65	3.2	21
29	Chronic undernutrition alters renal active Na+ transport in young rats: potential hidden basis for pathophysiological alterations in adulthood?. *European Journal of Nutrition*, **2009**, 48, 437-45	5.2	19
28	Placental oxidative stress in malnourished rats and changes in kidney proximal tubule sodium ATPases in offspring. *Clinical and Experimental Pharmacology and Physiology*, **2009**, 36, 1157-63	3	25
27	Ang-(3-4) suppresses inhibition of renal plasma membrane calcium pump by Ang II. *Regulatory Peptides*, **2009**, 155, 81-90		18
26	A scrutiny of the biochemical pathways from Ang II to Ang-(3-4) in renal basolateral membranes. *Regulatory Peptides*, **2009**, 158, 47-56		13
25	Cyclic AMP-dependent protein kinase controls energy interconversion during the catalytic cycle of the yeast copper-ATPase. *FEBS Letters*, **2008**, 582, 891-5	3.8	15
24	Phosphate sorption and desorption on pyrite in primitive aqueous scenarios: relevance of acidic --> alkaline transitions. *Origins of Life and Evolution of Biospheres*, **2007**, 37, 27-45	1.5	6
23	Ceramide is a potent activator of plasma membrane Ca2+-ATPase from kidney-promixal tubule cells with protein kinase A as an intermediate. *Journal of Biological Chemistry*, **2007**, 282, 24599-606	5.4	24
22	Mineral interface in extreme habitats: a niche for primitive molecular evolution for the appearance of different forms of life on earth. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2007**, 146, 10-21	3.2	3
21	Diacylglycerol kinase activity in purified basolateral membranes of kidney tubules. I. Evidence for coupling with phospholipase C. *International Journal of Biochemistry and Cell Biology*, **2005**, 37, 79-90	5.6	9
20	Protein kinase C-mediated inhibition of renal Ca2+ ATPase by physiological concentrations of angiotensin II is reversed by AT1- and AT2-receptor antagonists. *Regulatory Peptides*, **2005**, 127, 151-7		18
19	Ca2+/calmodulin-dependent protein kinase II is an essential mediator in the coordinated regulation of electrocyte Ca2+-ATPase by calmodulin and protein kinase A. *Journal of Biological Chemistry*, **2005**, 280, 30611-8	5.4	12
18	A mutational study in the transmembrane domain of Ccc2p, the yeast Cu(I)-ATPase, shows different roles for each Cys-Pro-Cys cysteine. *Journal of Biological Chemistry*, **2004**, 279, 25986-94	5.4	39
17	The plasma membrane Ca2+ pump from proximal kidney tubules is exclusively localized and active in caveolae. *FEBS Letters*, **2004**, 576, 31-5	3.8	21
16	Adsorption and Catalysis of Nucleotide Hydrolysis by Pyrite in Media Simulating Primeval Aqueous Environments. *Cellular Origin and Life in Extreme Habitats*, **2004**, 161-164		
15	Phosphate immobilization by oxide precursors: implications on phosphate availability before life on earth. *Origins of Life and Evolution of Biospheres*, **2003**, 33, 37-52	1.5	6

14	Sphingosine-1-phosphate formation activates phosphatidylinositol-4 kinase in basolateral membranes from kidney cells: crosstalk in cell signaling through sphingolipids and phospholipids. *Journal of Biochemistry*, **2003**, 134, 529-36	3.1	13
13	Modulation of adenosine 5Rmonophosphate adsorption onto aqueous resident pyrite: potential mechanisms for prebiotic reactions. *Origins of Life and Evolution of Biospheres*, **2001**, 31, 343-62	1.5	14
12	Surface charges and interfaces: implications for mineral roles in prebiotic chemistry. *Anais Da Academia Brasileira De Ciencias*, **2000**, 72, 317-22	1.4	12
11	Ouabain-Insensitive Na+-ATPase Activity in Trypanosoma cruzi Epimastigotes. *Zeitschrift Fur Naturforschung - Section C Journal of Biosciences*, **1999**, 54, 100-104	1.7	17
10	Pyrite suspended in artificial sea water catalyzes hydrolysis of adsorbed ATP: enhancing effect of acetate. *Origins of Life and Evolution of Biospheres*, **1999**, 29, 361-74	1.5	17
9	Pyrite Suspended in Artificial Sea Water Catalyzes Hydrolysis of Adsorbed ATP: Enhancing Effect of Acetate. *Origins of Life and Evolution of Biospheres*, **1999**, 29, 547-547	1.5	1
8	Adenosine inhibits the renal plasma-membrane (Ca2+ + Mg2+)-ATPase through a pathway sensitive to cholera toxin and sphingosine. *FEBS Journal*, **1999**, 263, 71-8		27
7	Progressive inactivation of plasma membrane (Ca2++Mg2+)ATPase by Cd2+ in the absence of ATP and reversible inhibition during catalysis. *Biochemistry*, **1998**, 37, 15261-5	3.2	9
6	Divalent cations modify adsorption of 5RAMP onto precipitated calcium phosphate: a model for cation modulation of adsorptive processes in primitive aqueous environments. *Journal of Molecular Evolution*, **1996**, 43, 425-30	3.1	5
5	Reactions involving carbamyl phosphate in the presence of precipitated calcium phosphate with formation of pyrophosphate: a model for primitive energy-conservation pathways. *Origins of Life and Evolution of Biospheres*, **1995**, 25, 335-50	1.5	12
4	Adsorption of 5RAMP and catalytic synthesis of 5RADP onto phosphate surfaces: correlation to solid matrix structures. *Origins of Life and Evolution of Biospheres*, **1995**, 25, 351-73	1.5	11
3	Pyrophosphate synthesis from phospho(enol)pyruvate catalyzed by precipitated magnesium phosphate with "enzyme-like" activity. *Journal of Molecular Evolution*, **1992**, 35, 277-85	3.1	15
2	Adsorption of 5Radenosine monophosphate onto precipitated calcium phosphate: effects of inorganic polyphosphates and carbamyl phosphate. *Origins of Life and Evolution of Biospheres*, **1990** , 20, 27-41	1.5	13
1	Sphingosine 1-Phosphate Prevents Human Embryonic Stem Cell Death Following Ischemic Injury. *European Journal of Lipid Science and Technology*,2200019	3	