Jorge L Gamboa

List of Publications by Year
in descending order

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60 papers	2,393 citations	218677 26 h-index	214800 47 g-index
62 all docs	62 docs citations	62 times ranked	3637 citing authors

#	Article	IF	Citations
1	Peroxisome proliferator-activated receptor-Î³ ligands reduce inflammation and infarction size in transient focal ischemia. Neuroscience, 2005, 130, 685-696.	2.3	260
2	Sirt3 Impairment and SOD2 Hyperacetylation in Vascular Oxidative Stress and Hypertension. Circulation Research, 2017, 121, 564-574.	4.5	195
3	Mitochondrial dysfunction and oxidative stress in patients with chronic kidney disease. Physiological Reports, 2016, 4, e12780.	1.7	156
4	Exercise and CKD: Skeletal Muscle Dysfunction and Practical Application of Exercise to Prevent and Treat Physical Impairments in CKD. American Journal of Kidney Diseases, 2017, 69, 837-852.	1.9	150
5	Altered PPARÎ³ expression and activation after transient focal ischemia in rats. European Journal of Neuroscience, 2006, 24, 1653-1663.	2.6	131
6	Whole-Genome Sequencing Uncovers the Genetic Basis of Chronic Mountain Sickness in Andean Highlanders. American Journal of Human Genetics, 2013, 93, 452-462.	6.2	115
7	Whole genome sequencing of Ethiopian highlanders reveals conserved hypoxia tolerance genes. Genome Biology, 2014, 15, R36.	9.6	71
8	Skeletal Muscle Mitochondrial Dysfunction Is Present in Patients with CKD before Initiation of Maintenance Hemodialysis. Clinical Journal of the American Society of Nephrology: CJASN, 2020, 15, 926-936.	4.5	68
9	Activation of caspase-12, an endoplasmic reticulum resident caspase, after permanent focal ischemia in rat. NeuroReport, 2003, 14, 183-186.	1.2	61
10	Combined angiotensin-converting enzyme inhibition and receptor blockade associate with increased risk of cardiovascular death in hemodialysis patients. Kidney International, 2011, 80, 978-985.	5.2	61
11	Treatment with Sildenafil Improves Insulin Sensitivity in Prediabetes: A Randomized, Controlled Trial. Journal of Clinical Endocrinology and Metabolism, 2015, 100, 4533-4540.	3.6	61
12	Age-related changes of cell death pathways in rat extraocular muscle. Experimental Gerontology, 2009, 44, 420-425.	2.8	59
13	Systemic inflammation is associated with exaggerated skeletal muscle protein catabolism in maintenance hemodialysis patients. JCI Insight, 2017, 2, .	5.0	58
14	Adaptation and Mal-Adaptation to Ambient Hypoxia; Andean, Ethiopian and Himalayan Patterns. PLoS ONE, 2008, 3, e2342.	2.5	56
15	Comparative Effects of Angiotensin-Converting Enzyme Inhibition and Angiotensin-Receptor Blockade on Inflammation during Hemodialysis. Journal of the American Society of Nephrology: JASN, 2012, 23, 334-342.	6.1	53
16	Mitochondrial content and distribution changes specific to mouse diaphragm after chronic normobaric hypoxia. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R575-R583.	1.8	50
17	Impaired skeletal muscle mitochondrial bioenergetics and physical performance in chronic kidney disease. JCI Insight, 2020, 5, .	5.0	48
18	Excessive Erythrocytosis and Cardiovascular Risk in Andean Highlanders. High Altitude Medicine and Biology, 2018, 19, 221-231.	0.9	46

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19	Chronic hypoxia increases insulin-stimulated glucose uptake in mouse soleus muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R85-R91.	1.8	45
20	CKD and Muscle Mitochondrial Energetics. American Journal of Kidney Diseases, 2016, 68, 658-659.	1.9	41
21	Muscle endurance and mitochondrial function after chronic normobaric hypoxia: contrast of respiratory and limb muscles. Pflugers Archiv European Journal of Physiology, 2012, 463, 327-338.	2.8	40
22	Gene expression, autonomic function and chronic hypoxia:lessons from the Andes. Clinical Autonomic Research, 2006, 16, 217-222.	2.5	39
23	Cytochrome P450 epoxygenase-derived epoxyeicosatrienoic acids contribute to insulin sensitivity in mice and in humans. Diabetologia, 2017, 60, 1066-1075.	6.3	35
24	Energetic metabolism in mouse cerebral cortex during chronic hypoxia. Neuroscience Letters, 2001, 301, 171-174.	2.1	34
25	Ventilation, Autonomic Function, Sleep and Erythropoietin. Advances in Experimental Medicine and Biology, 2003, , 161-175.	1.6	32
26	Plasma catecholamines and blood volume in native Andeans during hypoxia and normoxia. Clinical Autonomic Research, 2006, 16, 40-45.	2.5	28
27	Is Depression the Link Between Suicide and High Altitude?. High Altitude Medicine and Biology, 2011, 12, 403-404.	0.9	27
28	Gender-Specific Effects of Depression and Suicidal Ideation in Prosocial Behaviors. PLoS ONE, 2014, 9, e108733.	2.5	26
29	Lower Respiratory Capacity in Extraocular Muscle Mitochondria: Evidence for Intrinsic Differences in Mitochondrial Composition and Function. , 2009, 50, 180.		25
30	Extension of the neuroprotective time window for thiazolidinediones in ischemic stroke is dependent on time of reperfusion. Neuroscience, 2010, 170, 846-857.	2.3	24
31	Insulin resistance is a significant determinant of sarcopenia in advanced kidney disease. American Journal of Physiology - Endocrinology and Metabolism, 2018, 315, E1108-E1120.	3.5	22
32	Chronic kidney disease attenuates the plasma metabolome response to insulin. JCI Insight, 2018, 3, .	5.0	21
33	Neurological manifestations in chronic mountain sickness: the burning feet-burning hands syndrome. Journal of Neurology, Neurosurgery and Psychiatry, 2000, 69, 447-452.	1.9	20
34	Gene expression in the Andes; relevance to neurology at sea level. Journal of the Neurological Sciences, 2003, 207, 37-41.	0.6	19
35	Mechanisms Regulating Muscle Protein Synthesis in CKD. Journal of the American Society of Nephrology: JASN, 2020, 31, 2573-2587.	6.1	19
36	Cerebral vasoreactivity in Andeans and headache at sea level. Journal of the Neurological Sciences, 2004, 219, 101-106.	0.6	18

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37	Angiotensin converting enzyme inhibition increases ADMA concentration in patients on maintenance hemodialysis â€“ a randomized cross-over study. BMC Nephrology, 2015, 16, 167.	1.8	18
38	Neuronal migration is transiently delayed by prenatal exposure to intermittent hypoxia. Birth Defects Research Part B: Developmental and Reproductive Toxicology, 2005, 74, 287-299.	1.4	17
39	New insights into muscle function in chronic kidney disease and metabolic acidosis. Current Opinion in Nephrology and Hypertension, 2021, 30, 369-376.	2.0	15
40	Acral paresthesias in the Andes and neurology at sea level. Neurology, 2002, 59, 1532-1535.	1.1	14
41	Effects of long-term intradialytic oral nutrition and exercise on muscle protein homeostasis and markers of mitochondrial content in patients on hemodialysis. American Journal of Physiology - Renal Physiology, 2020, 319, F885-F894.	2.7	14
42	Response to unfairness across the suicide risk spectrum. Psychiatry Research, 2017, 258, 365-373.	3.3	12
43	Migraine in the Andes and Headache at Sea Level. Cephalalgia, 2005, 25, 1117-1121.	3.9	11
44	BRCA1 and BARD1 colocalize mainly in the cytoplasm of breast cancer tumors, and their isoforms show differential expression. Breast Cancer Research and Treatment, 2015, 153, 669-678.	2.5	11
45	Effect of domperidone on ventilation and polycythemia after 5 weeks of chronic hypoxia in rats. Respiratory Physiology and Neurobiology, 2003, 135, 1-8.	1.6	9
46	Chronic hypoxia in Andeans; are there lessons for neurology at sea level?. Journal of the Neurological Sciences, 2006, 247, 93-99.	0.6	9
47	GSK2256294 Decreases sEH (Soluble Epoxide Hydrolase) Activity in Plasma, Muscle, and Adipose and Reduces F2-Isoprostanes but Does Not Alter Insulin Sensitivity in Humans. Hypertension, 2021, 78, 1092-1102.	2.7	9
48	Abnormal energy regulation in early life: childhood gene expression may predict subsequent chronic mountain sickness. BMC Pediatrics, 2008, 8, 47.	1.7	7
49	Carbonic anhydrase activity in the red blood cells of sea level and high altitude natives. Biological Research, 2000, 33, 207-8.	3.4	7
50	Effects of caloric restriction and aerobic exercise on circulating cell-free mitochondrial DNA in patients with moderate-to-severe chronic kidney disease. American Journal of Physiology - Renal Physiology, 2021, , .	2.7	6
51	Genetic Architecture of Plasma Alphaâ€Aminoadipic Acid Reveals a Relationship With Highâ€Density Lipoprotein Cholesterol. Journal of the American Heart Association, 2022, 11, .	3.7	6
52	Rat diaphragm mitochondria have lower intrinsic respiratory rates than mitochondria in limb muscles. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2011, 300, R1311-R1315.	1.8	5
53	Angiotensin receptor blocker vs ACE inhibitor effects on HDL functionality in patients on maintenance hemodialysis. Nutrition, Metabolism and Cardiovascular Diseases, 2018, 28, 582-591.	2.6	5
54	Skeletal muscle energetics in patients with moderate to advanced kidney disease. Kidney Research and Clinical Practice, 2022, 41, 14-21.	2.2	3

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55	Comparative effects of immediateâ€release and extendedâ€release aspirin on basal and bradykininâ€stimulated excretion of thromboxane and prostacyclin metabolites. Pharmacology Research and Perspectives, 2016, 4, e00221.	2.4	1
56	MO045MITOCHONDRIAL DYSFUNCTION AND MUSCLE ENERGETICS IN CKD PATIENTS. Nephrology Dialysis Transplantation, 2020, 35, .	0.7	0
57	Mitochondrial function is not the same in rat diaphragm and limb muscles. FASEB Journal, 2010, 24, 801.21.	0.5	0
58	Abstract 1554: Identification of BRCA1 and BRCA2 somatic mutations in breast cancer tumors with loss of BRCA1 nuclear expression. , 2014, , .		0
59	Mitochondrial Morphology in Patients with Endâ€stage Renal Disease (ESRD). FASEB Journal, 2015, 29, 821.10.	0.5	0
60	Muscle mitochondrial dysfunction at different stages of chronic kidney disease (CKD). FASEB Journal, 2018, 32, 908.2.	0.5	0