

Guillermo Zalba

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.

89
papers

3,570
citations

35
h-index

58
g-index

94
ext. papers

3,978
ext. citations

5
avg, IF

4.77
L-index

#	Paper	IF	Citations
89	Higher adherence to an empirically derived Mediterranean dietary pattern is positively associated with telomere length: the Seguimiento Universidad de Navarra (SUN) project. <i>British Journal of Nutrition</i> , 2021 , 126, 531-540	3.6	1
88	Endothelial Nox5 Expression Modulates Glucose Uptake and Lipid Accumulation in Mice Fed a High-Fat Diet and 3T3-L1 Adipocytes Treated with Glucose and Palmitic Acid. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
87	Association between ideal cardiovascular health and telomere length in participants older than 55 years old from the SUN cohort. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2021 ,	0.7	1
86	Association between favourable changes in objectively measured physical activity and telomere length after a lifestyle intervention in pediatric patients with abdominal obesity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2021 , 46, 205-212	3	6
85	Inside the Thrombus: Association of Hemostatic Parameters With Outcomes in Large Vessel Stroke Patients. <i>Frontiers in Neurology</i> , 2021 , 12, 599498	4.1	1
84	Expression of Endothelial NOX5 Alters the Integrity of the Blood-Brain Barrier and Causes Loss of Memory in Aging Mice. <i>Antioxidants</i> , 2021 , 10,	7.1	2
83	NADPH Oxidase 5 Induces Changes in the Unfolded Protein Response in Human Aortic Endothelial Cells and in Endothelial-Specific Mice. <i>Antioxidants</i> , 2021 , 10,	7.1	3
82	Associations of telomere length with two dietary quality indices after a lifestyle intervention in children with abdominal obesity: a randomized controlled trial. <i>Pediatric Obesity</i> , 2020 , 15, e12661	4.6	4
81	A Role For MMP-10 (Matrix Metalloproteinase-10) in Calcific Aortic Valve Stenosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1370-1382	9.4	15
80	Induction of Cyclooxygenase-2 by Overexpression of the Human NADPH Oxidase 5 (NOX5) Gene in Aortic Endothelial Cells. <i>Cells</i> , 2020 , 9,	7.9	9
79	NADPH Oxidase Overactivity Underlies Telomere Shortening in Human Atherosclerosis. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	7
78	Ultra-processed food consumption and the risk of short telomeres in an elderly population of the Seguimiento Universidad de Navarra (SUN) Project. <i>American Journal of Clinical Nutrition</i> , 2020 , 111, 1259-1266 ¹⁵	7	15
77	Associations of telomere length with anthropometric and glucose changes after a lifestyle intervention in abdominal obese children. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2020 , 30, 694-700	4.5	8
76	Association between diet quality indexes and the risk of short telomeres in an elderly population of the SUN project. <i>Clinical Nutrition</i> , 2020 , 39, 2487-2494	5.9	13
75	Implications of NADPH oxidase 5 in vascular diseases. <i>International Journal of Biochemistry and Cell Biology</i> , 2020 , 128, 105851	5.6	4
74	Pistachio consumption modulates DNA oxidation and genes related to telomere maintenance: a crossover randomized clinical trial. <i>American Journal of Clinical Nutrition</i> , 2019 , 109, 1738-1745	7	11
73	Galectin-3 down-regulates antioxidant peroxiredoxin-4 in human cardiac fibroblasts: a new pathway to induce cardiac damage. <i>Clinical Science</i> , 2018 , 132, 1471-1485	6.5	26

72	NADPH oxidase 5 promotes proliferation and fibrosis in human hepatic stellate cells. <i>Free Radical Biology and Medicine</i> , 2018 , 126, 15-26	7.8	22
71	mPGES-1 (Microsomal Prostaglandin E Synthase-1) Mediates Vascular Dysfunction in Hypertension Through Oxidative Stress. <i>Hypertension</i> , 2018 , 72, 492-502	8.5	19
70	Matrix metalloproteinase-10 deficiency delays atherosclerosis progression and plaque calcification. <i>Atherosclerosis</i> , 2018 , 278, 124-134	3.1	20
69	Association of telomere length with IL-6 levels during an obesity treatment in adolescents: interaction with the-174G/C polymorphism in the IL-6gene. <i>Pediatric Obesity</i> , 2017 , 12, 257-263	4.6	6
68	Mechanisms underlying the cardiac antifibrotic effects of losartan metabolites. <i>Scientific Reports</i> , 2017 , 7, 41865	4.9	17
67	Increased phagocytic NADPH oxidase activity associates with coronary artery calcification in asymptomatic men. <i>Free Radical Research</i> , 2017 , 51, 389-396	4	16
66	Mediterranean diet and telomere length in high cardiovascular risk subjects from the PREDIMED-NAVARRA study. <i>Clinical Nutrition</i> , 2016 , 35, 1399-1405	5.9	55
65	Dietary total antioxidant capacity is associated with leukocyte telomere length in a children and adolescent population. <i>Clinical Nutrition</i> , 2015 , 34, 694-9	5.9	62
64	TWEAK/Fn14 interaction promotes oxidative stress through NADPH oxidase activation in macrophages. <i>Cardiovascular Research</i> , 2015 , 108, 139-47	9.9	26
63	Thioredoxin-1/peroxiredoxin-1 as sensors of oxidative stress mediated by NADPH oxidase activity in atherosclerosis. <i>Free Radical Biology and Medicine</i> , 2015 , 86, 352-61	7.8	29
62	Dietary inflammatory index and telomere length in subjects with a high cardiovascular disease risk from the PREDIMED-NAVARRA study: cross-sectional and longitudinal analyses over 5 y. <i>American Journal of Clinical Nutrition</i> , 2015 , 102, 897-904	7	82
61	Pro12Ala polymorphism of the PPAR α gene interacts with a mediterranean diet to prevent telomere shortening in the PREDIMED-NAVARRA randomized trial. <i>Circulation: Cardiovascular Genetics</i> , 2015 , 8, 91-9		32
60	Association of phagocytic NADPH oxidase activity with hypertensive heart disease: a role for cardiotrophin-1?. <i>Hypertension</i> , 2014 , 63, 468-74	8.5	14
59	Galectin-3, a biomarker linking oxidative stress and inflammation with the clinical outcomes of patients with atherothrombosis. <i>Journal of the American Heart Association</i> , 2014 , 3,	6	95
58	Longitudinal association of telomere length and obesity indices in an intervention study with a Mediterranean diet: the PREDIMED-NAVARRA trial. <i>International Journal of Obesity</i> , 2014 , 38, 177-82	5.5	74
57	Telomere length as a biomarker for adiposity changes after a multidisciplinary intervention in overweight/obese adolescents: the EVASYON study. <i>PLoS ONE</i> , 2014 , 9, e89828	3.7	53
56	The senescence-accelerated mouse prone-8 (SAM-P8) oxidative stress is associated with upregulation of renal NADPH oxidase system. <i>Journal of Physiology and Biochemistry</i> , 2013 , 69, 927-35	5	13
55	A synthetic peptide from transforming growth factor- β type III receptor inhibits NADPH oxidase and prevents oxidative stress in the kidney of spontaneously hypertensive rats. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 1607-18	8.4	14

54	Association of cardiotrophin-1 with left ventricular systolic properties in asymptomatic hypertensive patients. <i>Journal of Hypertension</i> , 2013 , 31, 587-94	1.9	12
53	Decreased Nox4 levels in the myocardium of patients with aortic valve stenosis. <i>Clinical Science</i> , 2013 , 125, 291-300	6.5	10
52	Two variants in the fibulin2 gene are associated with lower systolic blood pressure and decreased risk of hypertension. <i>PLoS ONE</i> , 2012 , 7, e43051	3.7	7
51	Blockade of TGF- β signalling inhibits cardiac NADPH oxidase overactivity in hypertensive rats. <i>Oxidative Medicine and Cellular Longevity</i> , 2012 , 2012, 726940	6.7	14
50	Peroxisome proliferator-activated receptor- β activation reduces cyclooxygenase-2 expression in vascular smooth muscle cells from hypertensive rats by interfering with oxidative stress. <i>Journal of Hypertension</i> , 2012 , 30, 315-26	1.9	43
49	¿El síndrome metabólico en España necesita más estudios descriptivos o más evidencia de su implicación en prevención secundaria? Respuesta. <i>Revista Espanola De Cardiologia</i> , 2011 , 64, 947-948	1.5	
48	Connection Between the Early Phases of Kidney Disease and the Metabolic Syndrome. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2011 , 64, 373-378	0.7	1
47	Does the Metabolic Syndrome Need More Descriptive Studies or More Evidence of Its Implication in Secondary Prevention? Response. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2011 , 64, 947-948	0.7	
46	Association of the peroxisome proliferator-activated receptor β gene L162V polymorphism with stage C heart failure. <i>Journal of Hypertension</i> , 2011 , 29, 876-83	1.9	6
45	HIF-1-mediated up-regulation of cardiotrophin-1 is involved in the survival response of cardiomyocytes to hypoxia. <i>Cardiovascular Research</i> , 2011 , 92, 247-55	9.9	31
44	The A640G CYBA polymorphism associates with subclinical atherosclerosis in diabetes. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 1467-74	1.6	5
43	G protein-coupled receptor kinase 2 plays a relevant role in insulin resistance and obesity. <i>Diabetes</i> , 2010 , 59, 2407-17	0.9	77
42	Relationship of the CYBA Gene Polymorphisms with Oxidative Stress and Cardiovascular Risk 2010 , 169-186		0
41	Protective effect of the 1742(C/G) polymorphism of human cardiotrophin-1 against left ventricular hypertrophy in essential hypertension. <i>Journal of Hypertension</i> , 2010 , 28, 2219-26	1.9	5
40	Is leptin involved in phagocytic NADPH oxidase overactivity in obesity? Potential clinical implications. <i>Journal of Hypertension</i> , 2010 , 28, 1944-50	1.9	32
39	Corrigendum to Preliminary characterisation of the promoter of the human p22phox gene: Identification of a new polymorphism associated with hypertension[FEBS Lett. 542 (2003) 27B1]. <i>FEBS Letters</i> , 2010 , 584, 4709-4709	3.8	
38	CYBA gene variants as biomarkers for coronary artery disease. <i>Drug News and Perspectives</i> , 2010 , 23, 316-24		7
37	Losartan metabolite EXP3179 blocks NADPH oxidase-mediated superoxide production by inhibiting protein kinase C: potential clinical implications in hypertension. <i>Hypertension</i> , 2009 , 54, 744-50	8.5	54

36	Increased CD74 expression in human atherosclerotic plaques: contribution to inflammatory responses in vascular cells. <i>Cardiovascular Research</i> , 2009 , 83, 586-94	9.9	40
35	Insulin-induced NADPH oxidase activation promotes proliferation and matrix metalloproteinase activation in monocytes/macrophages. <i>Free Radical Biology and Medicine</i> , 2009 , 46, 1058-67	7.8	33
34	Insulin resistance determines phagocytic nicotinamide adenine dinucleotide phosphate oxidase overactivation in metabolic syndrome patients. <i>Journal of Hypertension</i> , 2009 , 27, 1420-30	1.9	12
33	The angiotensin-converting enzyme insertion/deletion polymorphism is associated with phagocytic NADPH oxidase-dependent superoxide generation: potential implication in hypertension. <i>Clinical Science</i> , 2009 , 116, 233-40	6.5	8
32	Molecular mechanisms of atherosclerosis in metabolic syndrome: role of reduced IRS2-dependent signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 2187-94	9.4	40
31	NADPH oxidase CYBA polymorphisms, oxidative stress and cardiovascular diseases. <i>Clinical Science</i> , 2008 , 114, 173-82	6.5	78
30	Oxidative stress, endothelial dysfunction and cerebrovascular disease. <i>Cerebrovascular Diseases</i> , 2007 , 24 Suppl 1, 24-9	3.2	54
29	Phagocytic NADPH oxidase-dependent superoxide production stimulates matrix metalloproteinase-9: implications for human atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 587-93	9.4	71
28	A novel CYBA variant, the -675A/T polymorphism, is associated with essential hypertension. <i>Journal of Hypertension</i> , 2007 , 25, 1620-6	1.9	31
27	The inhibitory effect of leptin on angiotensin II-induced vasoconstriction in vascular smooth muscle cells is mediated via a nitric oxide-dependent mechanism. <i>Endocrinology</i> , 2007 , 148, 324-31	4.8	100
26	Oxidative stress and atherosclerosis in early chronic kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2006 , 21, 2686-90	4.3	50
25	Phagocytic NADPH oxidase overactivity underlies oxidative stress in metabolic syndrome. <i>Diabetes</i> , 2006 , 55, 209-15	0.9	106
24	The inhibitory effect of leptin on angiotensin II-induced vasoconstriction is blunted in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 2006 , 24, 1589-97	1.9	32
23	The C242T CYBA polymorphism of NADPH oxidase is associated with essential hypertension. <i>Journal of Hypertension</i> , 2006 , 24, 1299-306	1.9	75
22	Increased phagocytic nicotinamide adenine dinucleotide phosphate oxidase-dependent superoxide production in patients with early chronic kidney disease. <i>Kidney International</i> , 2005 , S71-5	9.9	38
21	Oxidative stress and vascular remodelling. <i>Experimental Physiology</i> , 2005 , 90, 457-62	2.4	108
20	NADPH oxidase-dependent superoxide production is associated with carotid intima-media thickness in subjects free of clinical atherosclerotic disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1452-7	9.4	58
19	NADPH oxidase-mediated oxidative stress: genetic studies of the p22(phox) gene in hypertension. <i>Antioxidants and Redox Signaling</i> , 2005 , 7, 1327-36	8.4	80

18	Generation of eight adjacent mutations in a single step using a site-directed mutagenesis kit. <i>Clinical Chemistry and Laboratory Medicine</i> , 2004 , 42, 384-6	5.9	6
17	Functional effect of the p22phox -930A/G polymorphism on p22phox expression and NADPH oxidase activity in hypertension. <i>Hypertension</i> , 2004 , 44, 163-9	8.5	80
16	Association of increased phagocytic NADPH oxidase-dependent superoxide production with diminished nitric oxide generation in essential hypertension. <i>Journal of Hypertension</i> , 2004 , 22, 2169-75	1.9	80
15	The A1166C polymorphism of the AT1 receptor gene is associated with collagen type I synthesis and myocardial stiffness in hypertensives. <i>Journal of Hypertension</i> , 2003 , 21, 2085-2092	1.9	31
14	Preliminary characterisation of the promoter of the human p22(phox) gene: identification of a new polymorphism associated with hypertension. <i>FEBS Letters</i> , 2003 , 542, 27-31	3.8	73
13	Is the balance between nitric oxide and superoxide altered in spontaneously hypertensive rats with endothelial dysfunction?. <i>Nephrology Dialysis Transplantation</i> , 2001 , 16 Suppl 1, 2-5	4.3	39
12	The loop diuretic torasemide interferes with endothelin-1 actions in the aorta of hypertensive rats. <i>Nephrology Dialysis Transplantation</i> , 2001 , 16 Suppl 1, 18-21	4.3	40
11	Cardiomyocyte apoptotic cell death in arterial hypertension: mechanisms and potential management. <i>Hypertension</i> , 2001 , 38, 1406-12	8.5	70
10	Polymorphisms and promoter overactivity of the p22(phox) gene in vascular smooth muscle cells from spontaneously hypertensive rats. <i>Circulation Research</i> , 2001 , 88, 217-22	15.7	55
9	Effects of loop diuretics on angiotensin II-stimulated vascular smooth muscle cell growth. <i>Nephrology Dialysis Transplantation</i> , 2001 , 16 Suppl 1, 14-7	4.3	108
8	Oxidative stress in arterial hypertension: role of NAD(P)H oxidase. <i>Hypertension</i> , 2001 , 38, 1395-9	8.5	344
7	Vascular NADH/NADPH oxidase is involved in enhanced superoxide production in spontaneously hypertensive rats. <i>Hypertension</i> , 2000 , 35, 1055-61	8.5	318
6	Mechanisms of increased susceptibility to angiotensin II-induced apoptosis in ventricular cardiomyocytes of spontaneously hypertensive rats. <i>Hypertension</i> , 2000 , 36, 1065-71	8.5	49
5	p53-mediated upregulation of BAX gene transcription is not involved in Bax-alpha protein overexpression in the left ventricle of spontaneously hypertensive rats. <i>Hypertension</i> , 1999 , 33, 1348-52	8.5	16
4	Losartan inhibits the post-transcriptional synthesis of collagen type I and reverses left ventricular fibrosis in spontaneously hypertensive rats. <i>Journal of Hypertension</i> , 1999 , 17, 107-14	1.9	92
3	Torasemide inhibits angiotensin II-induced vasoconstriction and intracellular calcium increase in the aorta of spontaneously hypertensive rats. <i>Hypertension</i> , 1999 , 34, 138-43	8.5	43
2	Molecular cloning and characterization of the human p44 mitogen-activated protein kinase gene. <i>Genomics</i> , 1998 , 50, 69-78	4.3	14
1	o-Iodosobenzoic oxidation and cleavage of myosin subfragment 1. <i>International Journal of Biochemistry & Cell Biology</i> , 1992 , 24, 133-43		1

