

# Manuel Portoles

## List of Publications by Citations

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111  
papers

1,637  
citations

23  
h-index

33  
g-index

127  
ext. papers

1,976  
ext. citations

3.8  
avg, IF

3.95  
L-index

#	Paper	IF	Citations
111	The Microwave Syndrome: A Preliminary Study in Spain. <i>Electromagnetic Biology and Medicine</i> , <b>2003</b> , 22, 161-169	2.2	93
110	Empagliflozin reduces the levels of CD36 and cardiotoxic lipids while improving autophagy in the hearts of Zucker diabetic fatty rats. <i>Biochemical Pharmacology</i> , <b>2019</b> , 170, 113677	6	55
109	Nesfatin-1 in human and murine cardiomyocytes: synthesis, secretion, and mobilization of GLUT-4. <i>Endocrinology</i> , <b>2013</b> , 154, 4757-67	4.8	53
108	Endolysosomal two-pore channels regulate autophagy in cardiomyocytes. <i>Journal of Physiology</i> , <b>2016</b> , 594, 3061-77	3.9	46
107	Increased expression of fatty-acid and calcium metabolism genes in failing human heart. <i>PLoS ONE</i> , <b>2012</b> , 7, e37505	3.7	41
106	Endoplasmic reticulum stress induces different molecular structural alterations in human dilated and ischemic cardiomyopathy. <i>PLoS ONE</i> , <b>2014</b> , 9, e107635	3.7	38
105	Diagnostic and prognostic value of urine NT-proBNP levels in heart failure patients. <i>European Journal of Heart Failure</i> , <b>2006</b> , 8, 621-7	12.3	36
104	Obese subjects with heart failure have lower N-terminal pro-brain natriuretic peptide plasma levels irrespective of aetiology. <i>European Journal of Heart Failure</i> , <b>2005</b> , 7, 1168-70	12.3	36
103	A simple validated method for predicting the risk of hospitalization for worsening of heart failure in ambulatory patients: the Redin-SCORE. <i>European Journal of Heart Failure</i> , <b>2015</b> , 17, 818-27	12.3	33
102	Differential gene expression of cardiac ion channels in human dilated cardiomyopathy. <i>PLoS ONE</i> , <b>2013</b> , 8, e79792	3.7	33
101	Ethanol impairs monosaccharide uptake and glycosylation in cultured rat astrocytes. <i>Journal of Neurochemistry</i> , <b>2002</b> , 83, 601-12	6	33
100	Effect of thyroid hormones on urea biosynthesis and related processes in rat liver. <i>Endocrinology</i> , <b>1988</b> , 123, 2167-74	4.8	33
99	Rats fed prolonged high protein diets show an increase in nitrogen metabolism and liver megamitochondria. <i>Archives of Biochemistry and Biophysics</i> , <b>1987</b> , 258, 426-35	4.1	31
98	The Adipokine Chemerin Induces Apoptosis in Cardiomyocytes. <i>Cellular Physiology and Biochemistry</i> , <b>2015</b> , 37, 176-92	3.9	30
97	Inflammatory activation and left ventricular mass in essential hypertension. <i>American Journal of Hypertension</i> , <b>2009</b> , 22, 444-50	2.3	30
96	Lesch-Nyhan syndrome, caffeine model: increase of purine and pyrimidine enzymes in rat brain. <i>Journal of Neurochemistry</i> , <b>1984</b> , 43, 1556-60	6	30
95	Heart failure induces significant changes in nuclear pore complex of human cardiomyocytes. <i>PLoS ONE</i> , <b>2012</b> , 7, e48957	3.7	29

94	Influence of heart failure on nucleocytoplasmic transport in human cardiomyocytes. <i>Cardiovascular Research</i> , <b>2010</b> , 85, 464-72	9.9	28
93	Thyroid hormone levels in rats exposed to alcohol during development. <i>Hormone and Metabolic Research</i> , <b>1988</b> , 20, 267-70	3.1	28
92	RNA-sequencing analysis reveals new alterations in cardiomyocyte cytoskeletal genes in patients with heart failure. <i>Laboratory Investigation</i> , <b>2014</b> , 94, 645-53	5.9	27
91	Low density lipoprotein receptor-related protein 1 expression correlates with cholesteryl ester accumulation in the myocardium of ischemic cardiomyopathy patients. <i>Journal of Translational Medicine</i> , <b>2012</b> , 10, 160	8.5	27
90	Variability of NT-proBNP plasma and urine levels in patients with stable heart failure: a 2-year follow-up study. <i>Heart</i> , <b>2007</b> , 93, 957-62	5.1	25
89	Differences in MEF2 and NFAT transcriptional pathways according to human heart failure aetiology. <i>PLoS ONE</i> , <b>2012</b> , 7, e30915	3.7	24
88	Functional networks of nucleocytoplasmic transport-related genes differentiate ischemic and dilated cardiomyopathies. A new therapeutic opportunity. <i>PLoS ONE</i> , <b>2014</b> , 9, e104709	3.7	23
87	20 years of leptin: Role of leptin in cardiomyocyte physiology and physiopathology. <i>Life Sciences</i> , <b>2015</b> , 140, 10-8	6.8	22
86	Inflammation and apoptosis in hypertension. Relevance of the extent of target organ damage. <i>Revista Espanola De Cardiologia</i> , <b>2012</b> , 65, 819-25	1.5	22
85	Cardiac protein changes in ischaemic and dilated cardiomyopathy: a proteomic study of human left ventricular tissue. <i>Journal of Cellular and Molecular Medicine</i> , <b>2012</b> , 16, 2471-86	5.6	22
84	Differential clinical characteristics and prognosis of intraventricular conduction defects in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , <b>2013</b> , 15, 877-84	12.3	21
83	Impact of cardiovascular risk factors and inflammatory status on urinary 8-OHdG in essential hypertension. <i>American Journal of Hypertension</i> , <b>2012</b> , 25, 236-42	2.3	20
82	A new case of arginase deficiency in a Spanish male. <i>Journal of Inherited Metabolic Disease</i> , <b>1986</b> , 9, 393-5.4	5.4	20
81	Prenatal ethanol exposure alters the cytoskeleton and induces glycoprotein microheterogeneity in rat newborn hepatocytes. <i>Alcohol and Alcoholism</i> , <b>2004</b> , 39, 203-12	3.5	19
80	Adipokines and Inflammation: Focus on Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	19
79	Relaxin-2 in Cardiometabolic Diseases: Mechanisms of Action and Future Perspectives. <i>Frontiers in Physiology</i> , <b>2017</b> , 8, 599	4.6	18
78	Influence of metabolic syndrome on development of cardiac allograft vasculopathy in the transplanted heart. <i>Transplantation</i> , <b>2012</b> , 93, 106-11	1.8	18
77	Effect of L-carnitine on ketone bodies, redox state and free amino acids in the liver of hyperammonemic mice. <i>Biochemical Pharmacology</i> , <b>1987</b> , 36, 3169-73	6	18

76	New Altered Non-Fibrillar Collagens in Human Dilated Cardiomyopathy: Role in the Remodeling Process. <i>PLoS ONE</i> , <b>2016</b> , 11, e0168130	3.7	18
75	SERCA2a: A potential non-invasive biomarker of cardiac allograft rejection. <i>Journal of Heart and Lung Transplantation</i> , <b>2017</b> , 36, 1322-1328	5.8	17
74	RNA sequencing analysis and atrial natriuretic peptide production in patients with dilated and ischemic cardiomyopathy. <i>PLoS ONE</i> , <b>2014</b> , 9, e90157	3.7	17
73	Urinary B-type natriuretic peptide levels in the diagnosis and prognosis of heart failure. <i>Journal of Cardiac Failure</i> , <b>2007</b> , 13, 549-55	3.3	17
72	Rats that consume caffeine show decreased brain protein synthesis. <i>Neurochemical Research</i> , <b>1986</b> , 11, 63-9	4.6	17
71	Gene expression network analysis reveals new transcriptional regulators as novel factors in human ischemic cardiomyopathy. <i>BMC Medical Genomics</i> , <b>2015</b> , 8, 14	3.7	16
70	Circulating biomarkers of collagen metabolism in arterial hypertension: relevance of target organ damage. <i>Journal of Hypertension</i> , <b>2013</b> , 31, 1611-7	1.9	16
69	Long-term high-protein diet induces biochemical and ultrastructural changes in rat liver mitochondria. <i>Archives of Biochemistry and Biophysics</i> , <b>1988</b> , 265, 241-8	4.1	16
68	Caffeine-induced changes in the composition of the free amino acid pool of the cerebral cortex. <i>Neurochemical Research</i> , <b>1985</b> , 10, 887-95	4.6	16
67	Subjective symptoms related to GSM radiation from mobile phone base stations: a cross-sectional study. <i>BMJ Open</i> , <b>2013</b> , 3, e003836	3	15
66	Thyroid hormone biosynthesis machinery is altered in the ischemic myocardium: An epigenomic study. <i>International Journal of Cardiology</i> , <b>2017</b> , 243, 27-33	3.2	14
65	Heart mitochondrial proteome study elucidates changes in cardiac energy metabolism and antioxidant PRDX3 in human dilated cardiomyopathy. <i>PLoS ONE</i> , <b>2014</b> , 9, e112971	3.7	14
64	ATP synthase subunit alpha and LV mass in ischaemic human hearts. <i>Journal of Cellular and Molecular Medicine</i> , <b>2015</b> , 19, 442-51	5.6	13
63	Heart failure entails significant changes in human nucleocytoplasmic transport gene expression. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 2837-43	3.2	13
62	Influence of heart failure on nucleolar organization and protein expression in human hearts. <i>Biochemical and Biophysical Research Communications</i> , <b>2012</b> , 418, 222-8	3.4	13
61	is down-regulated in both left atria and left ventricle of ischaemic cardiomyopathy patients and highly related to changes in ventricular function. <i>ESC Heart Failure</i> , <b>2016</b> , 3, 220-224	3.7	13
60	Human Ischemic Cardiomyopathy Shows Cardiac Nos1 Translocation and its Increased Levels are Related to Left Ventricular Performance. <i>Scientific Reports</i> , <b>2016</b> , 6, 24060	4.9	12
59	Myocardium of patients with dilated cardiomyopathy presents altered expression of genes involved in thyroid hormone biosynthesis. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190987	3.7	12

58	Two-pore channels (TPCs): Novel voltage-gated ion channels with pleiotropic functions. <i>Channels</i> , <b>2017</b> , 11, 20-33	3	11
57	New Cell Adhesion Molecules in Human Ischemic Cardiomyopathy. PCDHGA3 Implications in Decreased Stroke Volume and Ventricular Dysfunction. <i>PLoS ONE</i> , <b>2016</b> , 11, e0160168	3.7	11
56	Impact of basal heart rate on long-term prognosis of heart transplant patients. <i>Transplant International</i> , <b>2013</b> , 26, 502-7	3	10
55	Timing, etiology, and location of first infection in first year after heart transplantation. <i>Transplantation Proceedings</i> , <b>2010</b> , 42, 3017-9	1.1	10
54	Left ventricular cavity area reflects N-terminal pro-brain natriuretic peptide plasma levels in heart failure. <i>European Journal of Echocardiography</i> , <b>2006</b> , 7, 45-52		10
53	RNA sequencing analysis identifies new human collagen genes involved in cardiac remodeling. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 1265-1267	15.1	9
52	Does the calcineurin inhibitor have influence on cytomegalovirus infection in heart transplantation?. <i>Clinical Transplantation</i> , <b>2014</b> , 28, 88-95	3.8	9
51	Variability of NT-proBNP and its relationship with inflammatory status in patients with stable essential hypertension: a 2-year follow-up study. <i>PLoS ONE</i> , <b>2012</b> , 7, e31189	3.7	9
50	Obese and nonobese patients with essential hypertension show similar N-terminal proBNP plasma levels. <i>American Journal of Hypertension</i> , <b>2008</b> , 21, 820-5	2.3	9
49	The altered expression of autophagy-related genes participates in heart failure: NRBP2 and CALCOCO2 are associated with left ventricular dysfunction parameters in human dilated cardiomyopathy. <i>PLoS ONE</i> , <b>2019</b> , 14, e0215818	3.7	8
48	Intercalated disc in failing hearts from patients with dilated cardiomyopathy: Its role in the depressed left ventricular function. <i>PLoS ONE</i> , <b>2017</b> , 12, e0185062	3.7	7
47	ASB1 differential methylation in ischaemic cardiomyopathy: relationship with left ventricular performance in end-stage heart failure patients. <i>ESC Heart Failure</i> , <b>2018</b> , 5, 732-737	3.7	7
46	Patients with Dilated Cardiomyopathy and Sustained Monomorphic Ventricular Tachycardia Show Up-Regulation of KCNN3 and KCNJ2 Genes and CACNG8-Linked Left Ventricular Dysfunction. <i>PLoS ONE</i> , <b>2015</b> , 10, e0145518	3.7	7
45	Serum markers of apoptosis in the early period of heart transplantation. <i>Biomarkers</i> , <b>2012</b> , 17, 254-60	2.6	7
44	Valores de 8-hidroxi-2-Desoxiguanosina y de peroxidaci3n lip3dica en pacientes con insuficiencia cardiaca. <i>Revista Espanola De Cardiologia</i> , <b>2006</b> , 59, 1140-1145	1.5	7
43	Effect of arginine-free diet on plasma and tissue amino acids in young and adult ferrets. <i>Journal of Nutritional Biochemistry</i> , <b>1991</b> , 2, 72-78	6.3	7
42	Effect of caffeine on urea biosynthesis and some related processes, ketone bodies, ATP and liver amino acids. <i>Biochemical Pharmacology</i> , <b>1989</b> , 38, 2727-32	6	7
41	High-performance liquid chromatographic assay of argininosuccinate: its application in argininosuccinic aciduria and in normal man. <i>Journal of Inherited Metabolic Disease</i> , <b>1986</b> , 9, 31-8	5.4	7

40	Relaxin activates AMPK-AKT signaling and increases glucose uptake by cultured cardiomyocytes. <i>Endocrine</i> , <b>2018</b> , 60, 103-111	4	6
39	24 h nesfatin-1 treatment promotes apoptosis in cardiomyocytes. <i>Endocrine</i> , <b>2016</b> , 51, 551-5	4	6
38	Changes in human Golgi apparatus reflect new left ventricular dimensions and function in dilated cardiomyopathy patients. <i>European Journal of Heart Failure</i> , <b>2017</b> , 19, 280-282	12.3	6
37	Incidence of development of obesity after heart transplantation according to the calcineurin inhibitor. <i>Transplantation Proceedings</i> , <b>2015</b> , 47, 127-9	1.1	6
36	Impact of glomerular filtration rate on urinary BNP and NT-proBNP levels in heart failure. <i>Peptides</i> , <b>2012</b> , 33, 354-8	3.8	6
35	Long-term prognostic implications of metabolic syndrome in heart transplant recipients. <i>Transplantation Proceedings</i> , <b>2011</b> , 43, 2257-9	1.1	6
34	Circulating Sphingosine-1-Phosphate as A Non-Invasive Biomarker of Heart Transplant Rejection. <i>Scientific Reports</i> , <b>2019</b> , 9, 13880	4.9	5
33	Differential gene expression of C-type natriuretic peptide and its related molecules in dilated and ischemic cardiomyopathy. A new option for the management of heart failure. <i>International Journal of Cardiology</i> , <b>2014</b> , 174, e84-6	3.2	5
32	Expression of B-type natriuretic peptide forms in ischemic human hearts. <i>International Journal of Cardiology</i> , <b>2012</b> , 158, 199-204	3.2	5
31	Proliferation signal inhibitors in heart transplantation: a 5-year experience. <i>Transplantation Proceedings</i> , <b>2010</b> , 42, 2992-3	1.1	5
30	Ethanol affects calmodulin and the calmodulin-binding proteins neuronal nitric oxide synthase and alpha-spectrin (alpha-fodrin) in the nucleus of growing and differentiated rat astrocytes in primary culture. <i>Toxicology in Vitro</i> , <b>2007</b> , 21, 1039-49	3.6	5
29	Relaci3n de los valores plasm3ticos de big endotelina-1 con NT-proBNP y la funci3n ventricular de pacientes con insuficiencia card3aca. <i>Revista Espanola De Cardiologia</i> , <b>2005</b> , 58, 278-284	1.5	5
28	Plasma CD5L and non-invasive diagnosis of acute heart rejection. <i>Journal of Heart and Lung Transplantation</i> , <b>2020</b> , 39, 257-266	5.8	5
27	Metabolic syndrome in heart transplantation: impact on survival and renal function. <i>Transplant International</i> , <b>2013</b> , 26, 910-8	3	4
26	The role of the nuclear lamins in the pathogenesis of heart failure in patients undergoing cardiac transplantation. <i>Transplantation Proceedings</i> , <b>2009</b> , 41, 2227-30	1.1	4
25	MMP-2 and sTNF-R1 Variability in Patients with Essential Hypertension: 1-Year Follow-Up Study. <i>ISRN Cardiology</i> , <b>2012</b> , 2012, 501894		4
24	Metabolic alterations derived from absence of Two-Pore Channel 1 at cardiac level. <i>Journal of Biosciences</i> , <b>2016</b> , 41, 643-658	2.3	4
23	Serelaxin (recombinant human relaxin-2) treatment affects the endogenous synthesis of long chain poly-unsaturated fatty acids and induces substantial alterations of lipidome and metabolome profiles in rat cardiac tissue. <i>Pharmacological Research</i> , <b>2019</b> , 144, 51-65	10.2	3

22	NT-proBNP urinario. Su valor en la caracterizaci3n de pacientes con hipertensi3n esencial. <i>Revista Espanola De Cardiologia</i> , <b>2009</b> , 62, 1322-1325	1.5	3
21	NT-proBNP en orina y su relaci3n con los par3metros de la funci3n ventricular en la insuficiencia cardiaca. <i>Revista Espanola De Cardiologia</i> , <b>2007</b> , 60, 510-516	1.5	3
20	Effects of inhibition of ornithine aminotransferase or of general aminotransferases on urea and citrulline synthesis and on the levels of acetylglutamate in isolated rat hepatocytes. <i>Molecular and Cellular Biochemistry</i> , <b>1988</b> , 79, 107-12	4.2	3
19	Circulating mitochondrial genes detect acute cardiac allograft rejection: Role of the mitochondrial calcium uniporter complex. <i>American Journal of Transplantation</i> , <b>2021</b> , 21, 2056-2066	8.7	3
18	Urinary NT-proBNP. A valuable marker in the assessment of patients with essential hypertension. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2009</b> , 62, 1322-5	0.7	2
17	In vitro effect of caffeine on some aspects of nitrogen metabolism in isolated rat hepatocytes. <i>Biochimie</i> , <b>1988</b> , 70, 1417-21	4.6	2
16	Sum of effects of myocardial ischemia followed by electrically induced tachycardia on myocardial function. <i>Medical Science Monitor Basic Research</i> , <b>2013</b> , 19, 153-62	3.2	2
15	Inflammation and Apoptosis in Hypertension. Relevance of the Extent of Target Organ Damage. <i>Revista Espanola De Cardiologia (English Ed)</i> , <b>2012</b> , 65, 819-825	0.7	1
14	Non-ketotic hyperglycinaemia: prenatal diagnosis and detection of heterozygotes with glycine/serine ratios. <i>Journal of Inherited Metabolic Disease</i> , <b>1987</b> , 10, 198-9	5.4	1
13	Priority of screening for neonatal hypothyroidism in Spain. <i>European Journal of Pediatrics</i> , <b>1982</b> , 138, 359-359	4.1	1
12	Alterations in the Nucleocytoplasmic Transport in Heart Transplant Rejection. <i>Transplantation Proceedings</i> , <b>2021</b> , 53, 2718-2720	1.1	1
11	Diagnostic value of serum miR-144-3p for the detection of acute cellular rejection in heart transplant patients.. <i>Journal of Heart and Lung Transplantation</i> , <b>2021</b> ,	5.8	1
10	Value of SERCA2a as a Biomarker for the Identification of Patients with Heart Failure Requiring Circulatory Support. <i>Journal of Personalized Medicine</i> , <b>2021</b> , 11,	3.6	1
9	Protein Inhibitor of NOS1 Plays a Central Role in the Regulation of NOS1 Activity in Human Dilated Hearts. <i>Scientific Reports</i> , <b>2016</b> , 6, 30902	4.9	1
8	Electron Microscopy Reveals Evidence of Perinuclear Clustering of Mitochondria in Cardiac Biopsy-Proven Allograft Rejection.. <i>Journal of Personalized Medicine</i> , <b>2022</b> , 12,	3.6	1
7	Role of Sodium-Glucose Co-Transporter 2 Inhibitors in the Regulation of Inflammatory Processes in Animal Models. <i>International Journal of Molecular Sciences</i> , <b>2022</b> , 23, 5634	6.3	1
6	Mycophenolate acid vs mycophenolate mofetil therapy. <i>Transplantation Proceedings</i> , <b>2010</b> , 42, 3041-3	1.1	0
5	Effect of hyperammonemia on brain amino acids in young and adult ferrets. <i>Amino Acids</i> , <b>1993</b> , 5, 289-973.5	3.5	0

4	XPO1 Gene Therapy Attenuates Cardiac Dysfunction in Rats with Chronic Induced Myocardial Infarction. <i>Journal of Cardiovascular Translational Research</i> , <b>2020</b> , 13, 593-600	3.3	○
3	Protocol for Isolation of Golgi Vesicles from Human and Animal Hearts by Flotation through a Discontinuous Sucrose Gradient. <i>STAR Protocols</i> , <b>2020</b> , 1, 100100	1.4	○
2	The high incidence of neonatal hypothyroidism: artificial or real?. <i>European Journal of Pediatrics</i> , <b>1986</b> , 145, 158	4.1	
1	Cardiac Allograft Rejection Induces Changes in Nucleocytoplasmic Transport: RANGAP1 as a Potential Non-Invasive Biomarker. <i>Journal of Personalized Medicine</i> , <b>2022</b> , 12, 913	3.6	