

Manuel Portoles

List of Publications by Year in descending order

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Version: 2024-02-01

111
papers

2,267
citations

201575

27
h-index

302012

39
g-index

127
all docs

127
docs citations

127
times ranked

3186
citing authors

#	ARTICLE	IF	CITATIONS
1	The Microwave Syndrome: A Preliminary Study in Spain. <i>Electromagnetic Biology and Medicine</i> , 2003, 22, 161-169.	0.7	112
2	Empagliflozin reduces the levels of CD36 and cardiotoxic lipids while improving autophagy in the hearts of Zucker diabetic fatty rats. <i>Biochemical Pharmacology</i> , 2019, 170, 113677.	2.0	102
3	Endolysosomal twoâ€pore channels regulate autophagy in cardiomyocytes. <i>Journal of Physiology</i> , 2016, 594, 3061-3077.	1.3	70
4	Differential Gene Expression of Cardiac Ion Channels in Human Dilated Cardiomyopathy. <i>PLoS ONE</i> , 2013, 8, e79792.	1.1	64
5	Nesfatin-1 in Human and Murine Cardiomyocytes: Synthesis, Secretion, and Mobilization of GLUT-4. <i>Endocrinology</i> , 2013, 154, 4757-4767.	1.4	62
6	Endoplasmic Reticulum Stress Induces Different Molecular Structural Alterations in Human Dilated and Ischemic Cardiomyopathy. <i>PLoS ONE</i> , 2014, 9, e107635.	1.1	55
7	A simple validated method for predicting the risk of hospitalization for worsening of heart failure in ambulatory patients: the Redinâ€SCORE. <i>European Journal of Heart Failure</i> , 2015, 17, 818-827.	2.9	50
8	Diagnostic and prognostic value of urine NT-proBNP levels in heart failure patients. <i>European Journal of Heart Failure</i> , 2006, 8, 621-627.	2.9	49
9	Adipokines and Inflammation: Focus on Cardiovascular Diseases. <i>International Journal of Molecular Sciences</i> , 2020, 21, 7711.	1.8	48
10	Increased Expression of Fatty-Acid and Calcium Metabolism Genes in Failing Human Heart. <i>PLoS ONE</i> , 2012, 7, e37505.	1.1	46
11	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> , 2005, 7, 1168-1170.	2.9	45
12	The Adipokine Chemerin Induces Apoptosis in Cardiomyocytes. <i>Cellular Physiology and Biochemistry</i> , 2015, 37, 176-192.	1.1	44
13	Effect of Thyroid Hormones on Urea Biosynthesis and Related Processes in Rat Liver*. <i>Endocrinology</i> , 1988, 123, 2167-2174.	1.4	41
14	Heart Failure Induces Significant Changes in Nuclear Pore Complex of Human Cardiomyocytes. <i>PLoS ONE</i> , 2012, 7, e48957.	1.1	41
15	Rats fed prolonged high protein diets show an increase in nitrogen metabolism and liver megamitochondria. <i>Archives of Biochemistry and Biophysics</i> , 1987, 258, 426-435.	1.4	40
16	Ethanol impairs monosaccharide uptake and glycosylation in cultured rat astrocytes. <i>Journal of Neurochemistry</i> , 2002, 83, 601-612.	2.1	35
17	Inflammatory Activation and Left Ventricular Mass in Essential Hypertension. <i>American Journal of Hypertension</i> , 2009, 22, 444-450.	1.0	35
18	RNA-sequencing analysis reveals new alterations in cardiomyocyte cytoskeletal genes in patients with heart failure. <i>Laboratory Investigation</i> , 2014, 94, 645-653.	1.7	35

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19	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> , 2012, 10, 160.	1.8	34
20	Lesch-Nyhan Syndrome, Caffeine Model: Increase of Purine and Pyrimidine Enzymes in Rat Brain. <i>Journal of Neurochemistry</i> , 1984, 43, 1556-1560.	2.1	33
21	Influence of heart failure on nucleocytoplasmic transport in human cardiomyocytes. <i>Cardiovascular Research</i> , 2010, 85, 464-472.	1.8	33
22	New Altered Non-Fibrillar Collagens in Human Dilated Cardiomyopathy: Role in the Remodeling Process. <i>PLoS ONE</i> , 2016, 11, e0168130.	1.1	32
23	Cardiac protein changes in ischaemic and dilated cardiomyopathy: a proteomic study of human left ventricular tissue. <i>Journal of Cellular and Molecular Medicine</i> , 2012, 16, 2471-2486.	1.6	31
24	Thyroid Hormone Levels in Rats Exposed to Alcohol during Development. <i>Hormone and Metabolic Research</i> , 1988, 20, 267-270.	0.7	29
25	Variability of NT-proBNP plasma and urine levels in patients with stable heart failure: a 2-year follow-up study. <i>Heart</i> , 2007, 93, 957-962.	1.2	28
26	Differential clinical characteristics and prognosis of intraventricular conduction defects in patients with chronic heart failure. <i>European Journal of Heart Failure</i> , 2013, 15, 877-884.	2.9	27
27	20years of leptin: Role of leptin in cardiomyocyte physiology and physiopathology. <i>Life Sciences</i> , 2015, 140, 10-18.	2.0	27
28	Functional Networks of Nucleocytoplasmic Transport-Related Genes Differentiate Ischemic and Dilated Cardiomyopathies. A New Therapeutic Opportunity. <i>PLoS ONE</i> , 2014, 9, e104709.	1.1	27
29	A new case of arginase deficiency in a Spanish male. <i>Journal of Inherited Metabolic Disease</i> , 1986, 9, 393-397.	1.7	25
30	Inflamaci3n y apoptosis en la hipertensi3n arterial. Importancia de la extensi3n de la lesi3n de 3rgano diana. <i>Revista Espanola De Cardiologia</i> , 2012, 65, 819-825.	0.6	25
31	Impact of Cardiovascular Risk Factors and Inflammatory Status on Urinary 8-OHdG in Essential Hypertension. <i>American Journal of Hypertension</i> , 2012, 25, 236-242.	1.0	24
32	Differences in MEF2 and NFAT Transcriptional Pathways According to Human Heart Failure Aetiology. <i>PLoS ONE</i> , 2012, 7, e30915.	1.1	24
33	Relaxin-2 in Cardiometabolic Diseases: Mechanisms of Action and Future Perspectives. <i>Frontiers in Physiology</i> , 2017, 8, 599.	1.3	24
34	Heart failure entails significant changes in human nucleocytoplasmic transport gene expression. <i>International Journal of Cardiology</i> , 2013, 168, 2837-2843.	0.8	23
35	RNA Sequencing Analysis and Atrial Natriuretic Peptide Production in Patients with Dilated and Ischemic Cardiomyopathy. <i>PLoS ONE</i> , 2014, 9, e90157.	1.1	23
36	Caffeine-induced changes in the composition of the free amino acid pool of the cerebral cortex. <i>Neurochemical Research</i> , 1985, 10, 887-895.	1.6	22

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37	Urinary B-Type Natriuretic Peptide Levels in the Diagnosis and Prognosis of Heart Failure. Journal of Cardiac Failure, 2007, 13, 549-555.	0.7	22
38	Subjective symptoms related to GSM radiation from mobile phone base stations: a cross-sectional study. BMJ Open, 2013, 3, e003836.	0.8	22
39	PRENATAL ETHANOL EXPOSURE ALTERS THE CYTOSKELETON AND INDUCES GLYCOPROTEIN MICROHETEROGENEITY IN RAT NEWBORN HEPATOCYTES. Alcohol and Alcoholism, 2004, 39, 203-212.	0.9	21
40	Circulating biomarkers of collagen metabolism in arterial hypertension. Journal of Hypertension, 2013, 31, 1611-1617.	0.3	21
41	Effect of l-carnitine on ketone bodies, redox state and free amino acids in the liver of hyperammonemic mice. Biochemical Pharmacology, 1987, 36, 3169-3173.	2.0	20
42	Influence of Metabolic Syndrome on Development of Cardiac Allograft Vasculopathy in the Transplanted Heart. Transplantation, 2012, 93, 106-111.	0.5	20
43	SERCA2a: A potential non-invasive biomarker of cardiac allograft rejection. Journal of Heart and Lung Transplantation, 2017, 36, 1322-1328.	0.3	20
44	Long-term high-protein diet induces biochemical and ultrastructural changes in rat liver mitochondria. Archives of Biochemistry and Biophysics, 1988, 265, 241-248.	1.4	19
45	Gene expression network analysis reveals new transcriptional regulators as novel factors in human ischemic cardiomyopathy. BMC Medical Genomics, 2015, 8, 14.	0.7	19
46	Human Ischemic Cardiomyopathy Shows Cardiac Nos1 Translocation and its Increased Levels are Related to Left Ventricular Performance. Scientific Reports, 2016, 6, 24060.	1.6	18
47	Rats that consume caffeine show decreased brain protein synthesis. Neurochemical Research, 1986, 11, 63-69.	1.6	17
48	Thyroid hormone biosynthesis machinery is altered in the ischemic myocardium: An epigenomic study. International Journal of Cardiology, 2017, 243, 27-33.	0.8	17
49	Influence of heart failure on nucleolar organization and protein expression in human hearts. Biochemical and Biophysical Research Communications, 2012, 418, 222-228.	1.0	16
50	Heart Mitochondrial Proteome Study Elucidates Changes in Cardiac Energy Metabolism and Antioxidant PRDX3 in Human Dilated Cardiomyopathy. PLoS ONE, 2014, 9, e112971.	1.1	16
51	Patients with Dilated Cardiomyopathy and Sustained Monomorphic Ventricular Tachycardia Show Up-Regulation of KCNN3 and KCNJ2 Genes and CACNG8-Linked Left Ventricular Dysfunction. PLoS ONE, 2015, 10, e0145518.	1.1	16
52	<i>TRPM7</i> is downregulated in both left atria and left ventricle of ischaemic cardiomyopathy patients and highly related to changes in ventricular function. ESC Heart Failure, 2016, 3, 220-224.	1.4	16
53	ATP synthase subunit alpha and LV mass in ischaemic human hearts. Journal of Cellular and Molecular Medicine, 2015, 19, 442-451.	1.6	15
54	RNA Sequencing Analysis Identifies New Human Collagen Genes Involved in Cardiac Remodeling. Journal of the American College of Cardiology, 2015, 65, 1265-1267.	1.2	15

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55	Relaxin activates AMPK-AKT signaling and increases glucose uptake by cultured cardiomyocytes. <i>Endocrine</i> , 2018, 60, 103-111.	1.1	15
56	Myocardium of patients with dilated cardiomyopathy presents altered expression of genes involved in thyroid hormone biosynthesis. <i>PLoS ONE</i> , 2018, 13, e0190987.	1.1	15
57	New Cell Adhesion Molecules in Human Ischemic Cardiomyopathy. PCDHGA3 Implications in Decreased Stroke Volume and Ventricular Dysfunction. <i>PLoS ONE</i> , 2016, 11, e0160168.	1.1	15
58	Role of Sodium-Glucose Co-Transporter 2 Inhibitors in the Regulation of Inflammatory Processes in Animal Models. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5634.	1.8	15
59	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> , 2019, 14, e0215818.	1.1	14
60	Impact of basal heart rate on long-term prognosis of heart transplant patients. <i>Transplant International</i> , 2013, 26, 502-507.	0.8	13
61	Two-pore channels (TPCs): Novel voltage-gated ion channels with pleiotropic functions. <i>Channels</i> , 2017, 11, 20-33.	1.5	13
62	Intercalated disc in failing hearts from patients with dilated cardiomyopathy: Its role in the depressed left ventricular function. <i>PLoS ONE</i> , 2017, 12, e0185062.	1.1	13
63	<i>ASB1</i> differential methylation in ischaemic cardiomyopathy: relationship with left ventricular performance in end-stage heart failure patients. <i>ESC Heart Failure</i> , 2018, 5, 732-737.	1.4	13
64	Plasma CD5L and non-invasive diagnosis of acute heart rejection. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 257-266.	0.3	13
65	Left ventricular cavity area reflects N-terminal pro-brain natriuretic peptide plasma levels in heart failure. <i>European Journal of Echocardiography</i> , 2006, 7, 45-52.	2.3	12
66	Impact of glomerular filtration rate on urinary BNP and NT-proBNP levels in heart failure. <i>Peptides</i> , 2012, 33, 354-358.	1.2	12
67	Timing, Etiology, and Location of First Infection in First Year After Heart Transplantation. <i>Transplantation Proceedings</i> , 2010, 42, 3017-3019.	0.3	11
68	Does the calcineurin inhibitor have influence on cytomegalovirus infection in heart transplantation?. <i>Clinical Transplantation</i> , 2014, 28, 88-95.	0.8	11
69	Changes in human Golgi apparatus reflect new left ventricular dimensions and function in dilated cardiomyopathy patients. <i>European Journal of Heart Failure</i> , 2017, 19, 280-282.	2.9	11
70	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> , 2021, , .	0.3	11
71	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> , 2012, 7, e31189.	1.1	10
72	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> , 2019, 144, 51-65.	3.1	10

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73	Obese and Nonobese Patients With Essential Hypertension Show Similar N-terminal proBNP Plasma Levels. <i>American Journal of Hypertension</i> , 2008, 21, 820-825.	1.0	9
74	Circulating Sphingosine-1-Phosphate as A Non-Invasive Biomarker of Heart Transplant Rejection. <i>Scientific Reports</i> , 2019, 9, 13880.	1.6	9
75	Implication of Sphingolipid Metabolism Gene Dysregulation and Cardiac Sphingosine-1-Phosphate Accumulation in Heart Failure. <i>Biomedicines</i> , 2022, 10, 135.	1.4	9
76	Effect of caffeine on urea biosynthesis and some related processes, ketone bodies, ATP and liver amino acids. <i>Biochemical Pharmacology</i> , 1989, 38, 2727-2732.	2.0	8
77	Serum markers of apoptosis in the early period of heart transplantation. <i>Biomarkers</i> , 2012, 17, 254-260.	0.9	8
78	Incidence of Development of Obesity After Heart Transplantation According to the Calcineurin Inhibitor. <i>Transplantation Proceedings</i> , 2015, 47, 127-129.	0.3	8
79	High-performance liquid chromatographic assay of argininosuccinate: its application in argininosuccinic aciduria and in normal man. <i>Journal of Inherited Metabolic Disease</i> , 1986, 9, 31-38.	1.7	7
80	Effect of arginine-free diet on plasma and tissue amino acids in young and adult ferrets. <i>Journal of Nutritional Biochemistry</i> , 1991, 2, 72-78.	1.9	7
81	Proliferation Signal Inhibitors in Heart Transplantation: A 5-Year Experience. <i>Transplantation Proceedings</i> , 2010, 42, 2992-2993.	0.3	7
82	Long-Term Prognostic Implications of Metabolic Syndrome in Heart Transplant Recipients. <i>Transplantation Proceedings</i> , 2011, 43, 2257-2259.	0.3	7
83	Expression of B-type natriuretic peptide forms in ischemic human hearts. <i>International Journal of Cardiology</i> , 2012, 158, 199-204.	0.8	7
84	Metabolic syndrome in heart transplantation: impact on survival and renal function. <i>Transplant International</i> , 2013, 26, 910-918.	0.8	7
85	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> , 2014, 174, e84-e86.	0.8	7
86	Metabolic alterations derived from absence of Two-Pore Channel 1 at cardiac level. <i>Journal of Biosciences</i> , 2016, 41, 643-658.	0.5	7
87	24h nesfatin-1 treatment promotes apoptosis in cardiomyocytes. <i>Endocrine</i> , 2016, 51, 551-555.	1.1	7
88	Circulating mitochondrial genes detect acute cardiac allograft rejection: Role of the mitochondrial calcium uniporter complex. <i>American Journal of Transplantation</i> , 2021, 21, 2056-2066.	2.6	7
89	Inflammation and Apoptosis in Hypertension. Relevance of the Extent of Target Organ Damage. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2012, 65, 819-825.	0.4	6
90	Relaxin-2 as a Potential Biomarker in Cardiovascular Diseases. <i>Journal of Personalized Medicine</i> , 2022, 12, 1021.	1.1	6

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91	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> , 1988, 79, 107-112.	1.4	5
92	Ethanol affects calmodulin and the calmodulin-binding proteins neuronal nitric oxide synthase and β -II-spectrin (β -fodrin) in the nucleus of growing and differentiated rat astrocytes in primary culture. <i>Toxicology in Vitro</i> , 2007, 21, 1039-1049.	1.1	5
93	Protein Inhibitor of NOS1 Plays a Central Role in the Regulation of NOS1 Activity in Human Dilated Hearts. <i>Scientific Reports</i> , 2016, 6, 30902.	1.6	5
94	Relationships of Telomere Homeostasis with Oxidative Stress and Cardiac Dysfunction in Human Ischaemic Hearts. <i>Antioxidants</i> , 2021, 10, 1750.	2.2	5
95	The Role of the Nuclear Lamins in the Pathogenesis of Heart Failure in Patients Undergoing Cardiac Transplantation. <i>Transplantation Proceedings</i> , 2009, 41, 2227-2230.	0.3	4
96	MMP-2 and sTNF-R1 Variability in Patients with Essential Hypertension: 1-Year Follow-Up Study. <i>ISRN Cardiology</i> , 2012, 2012, 1-7.	1.6	4
97	Urinary NT-proBNP: A Valuable Marker in the Assessment of Patients With Essential Hypertension. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2009, 62, 1322-1325.	0.4	3
98	XPO1 Gene Therapy Attenuates Cardiac Dysfunction in Rats with Chronic Induced Myocardial Infarction. <i>Journal of Cardiovascular Translational Research</i> , 2020, 13, 593-600.	1.1	3
99	Protocol for Isolation of Golgi Vesicles from Human and Animal Hearts by Flotation through a Discontinuous Sucrose Gradient. <i>STAR Protocols</i> , 2020, 1, 100100.	0.5	3
100	Value of SERCA2a as a Biomarker for the Identification of Patients with Heart Failure Requiring Circulatory Support. <i>Journal of Personalized Medicine</i> , 2021, 11, 1122.	1.1	3
101	In vitro effect of caffeine on some aspects of nitrogen metabolism in isolated rat hepatocytes. <i>Biochimie</i> , 1988, 70, 1417-1421.	1.3	2
102	Sum of effects of myocardial ischemia followed by electrically induced tachycardia on myocardial function. <i>Medical Science Monitor Basic Research</i> , 2013, 19, 153-162.	2.6	2
103	Electron Microscopy Reveals Evidence of Perinuclear Clustering of Mitochondria in Cardiac Biopsy-Proven Allograft Rejection. <i>Journal of Personalized Medicine</i> , 2022, 12, 296.	1.1	2
104	Priority of screening for neonatal hypothyroidism in Spain. <i>European Journal of Pediatrics</i> , 1982, 138, 359-359.	1.3	1
105	Non-ketotic hyperglycaemia: prenatal diagnosis and detection of heterozygotes with glycine/serine ratios. <i>Journal of Inherited Metabolic Disease</i> , 1987, 10, 198-199.	1.7	1
106	Effect of hyperammonemia on brain amino acids in young and adult ferrets. <i>Amino Acids</i> , 1993, 5, 289-297.	1.2	1
107	Mycophenolate Acid vs Mycophenolate Mofetil Therapy. <i>Transplantation Proceedings</i> , 2010, 42, 3041-3043.	0.3	1
108	Alterations in the Nucleocytoplasmic Transport in Heart Transplant Rejection. <i>Transplantation Proceedings</i> , 2021, 53, 2718-2720.	0.3	1

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109	DNMT3B System Dysregulation Contributes to the Hypomethylated State in Ischaemic Human Hearts. <i>Biomedicines</i> , 2022, 10, 866.	1.4	1
110	The high incidence of neonatal hypothyroidism: artificial or real?. <i>European Journal of Pediatrics</i> , 1986, 145, 158-158.	1.3	0
111	Cardiac Allograft Rejection Induces Changes in Nucleocytoplasmic Transport: RANGAP1 as a Potential Non-Invasive Biomarker. <i>Journal of Personalized Medicine</i> , 2022, 12, 913.	1.1	0