# Manuel Portoles

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4509713/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 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 | Implication of Sphingolipid Metabolism Gene Dysregulation and Cardiac Sphingosine-1-Phosphate Accumulation in Heart Failure. Biomedicines, 2022, 10, 135. | 1.4 | 9 |
| 2 | Electron Microscopy Reveals Evidence of Perinuclear Clustering of Mitochondria in Cardiac Biopsy-Proven Allograft Rejection. Journal of Personalized Medicine, 2022, 12, 296. | 1.1 | 2 |
| 3 | DNMT3B System Dysregulation Contributes to the Hypomethylated State in Ischaemic Human Hearts. Biomedicines, 2022, 10, 866. | 1.4 | 1 |
| 4 | Role of Sodium-Glucose Co-Transporter 2 Inhibitors in the Regulation of Inflammatory Processes in Animal Models. International Journal of Molecular Sciences, 2022, 23, 5634. | 1.8 | 15 |
| 5 | Cardiac Allograft Rejection Induces Changes in Nucleocytoplasmic Transport: RANGAP1 as a Potential Non-Invasive Biomarker. Journal of Personalized Medicine, 2022, 12, 913. | 1.1 | 0 |
| 6 | Relaxin-2 as a Potential Biomarker in Cardiovascular Diseases. Journal of Personalized Medicine, 2022, 12, 1021. | 1.1 | 6 |
| 7 | Circulating mitochondrial genes detect acute cardiac allograft rejection: Role of the mitochondrial calcium uniporter complex. American Journal of Transplantation, 2021, 21, 2056-2066. | 2.6 | 7 |
| 8 | Alterations in the Nucleocytoplasmic Transport in Heart Transplant Rejection. Transplantation Proceedings, 2021, 53, 2718-2720. | 0.3 | 1 |
| 9 | Diagnostic value of serum miR-144-3p for the detection of acute cellular rejection in heart transplant patients. Journal of Heart and Lung Transplantation, 2021, , . | 0.3 | 11 |
| 10 | Value of SERCA2a as a Biomarker for the Identification of Patients with Heart Failure Requiring Circulatory Support. Journal of Personalized Medicine, 2021, 11, 1122. | 1.1 | 3 |
| 11 | Relationships of Telomere Homeostasis with Oxidative Stress and Cardiac Dysfunction in Human Ischaemic Hearts. Antioxidants, 2021, 10, 1750. | 2.2 | 5 |
| 12 | Plasma CD5L and non-invasive diagnosis of acute heart rejection. Journal of Heart and Lung Transplantation, 2020, 39, 257-266. | 0.3 | 13 |
| 13 | XPO1 Gene Therapy Attenuates Cardiac Dysfunction in Rats with Chronic Induced Myocardial Infarction. Journal of Cardiovascular Translational Research, 2020, 13, 593-600. | 1.1 | 3 |
| 14 | Adipokines and Inflammation: Focus on Cardiovascular Diseases. International Journal of Molecular Sciences, 2020, 21, 7711. | 1.8 | 48 |
| 15 | Protocol for Isolation of Golgi Vesicles from Human and Animal Hearts by Flotation through a Discontinuous Sucrose Gradient. STAR Protocols, 2020, 1, 100100. | 0.5 | 3 |
| 16 | Empagliflozin reduces the levels of CD36 and cardiotoxic lipids while improving autophagy in the hearts of Zucker diabetic fatty rats. Biochemical Pharmacology, 2019, 170, 113677. | 2.0 | 102 |
| 17 | Circulating Sphingosine-1-Phosphate as A Non-Invasive Biomarker of Heart Transplant Rejection. Scientific Reports, 2019, 9, 13880. | 1.6 | 9 |
| 18 | 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. PLoS ONE, 2019, 14, e0215818. | 1.1 | 14 |

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|---|---|---|---|
| 19 | 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. Pharmacological Research, 2019, 144, 51-65. | 3.1 | 10 |
| 20 | Relaxin activates AMPK-AKT signaling and increases glucose uptake by cultured cardiomyocytes. Endocrine, 2018, 60, 103-111. | 1.1 | 15 |
| 21 | ASB1 differential methylation in ischaemic cardiomyopathy: relationship with left ventricular performance in endâ€stage heart failure patients. ESC Heart Failure, 2018, 5, 732-737. | 1.4 | 13 |
| 22 | Myocardium of patients with dilated cardiomyopathy presents altered expression of genes involved in thyroid hormone biosynthesis. PLoS ONE, 2018, 13, e0190987. | 1.1 | 15 |
| 23 | Thyroid hormone biosynthesis machinery is altered in the ischemic myocardium: An epigenomic study. International Journal of Cardiology, 2017, 243, 27-33. | 0.8 | 17 |
| 24 | SERCA2a: A potential non-invasive biomarker of cardiac allograft rejection. Journal of Heart and Lung Transplantation, 2017, 36, 1322-1328. | 0.3 | 20 |
| 25 | Changes in human Golgi apparatus reflect new left ventricular dimensions and function in dilated cardiomyopathy patients. European Journal of Heart Failure, 2017, 19, 280-282. | 2.9 | 11 |
| 26 | Two-pore channels (TPCs): Novel voltage-gated ion channels with pleiotropic functions. Channels, 2017, 11, 20-33. | 1.5 | 13 |
| 27 | Relaxin-2 in Cardiometabolic Diseases: Mechanisms of Action and Future Perspectives. Frontiers in Physiology, 2017, 8, 599. | 1.3 | 24 |
| 28 | Intercalated disc in failing hearts from patients with dilated cardiomyopathy: Its role in the depressed left ventricular function. PLoS ONE, 2017, 12, e0185062. | 1.1 | 13 |
| 29 | New Altered Non-Fibrillar Collagens in Human Dilated Cardiomyopathy: Role in the Remodeling Process. PLoS ONE, 2016, 11, e0168130. | 1.1 | 32 |
| 30 | Endolysosomal twoâ€pore channels regulate autophagy in cardiomyocytes. Journal of Physiology, 2016, 594, 3061-3077. | 1.3 | 70 |
| 31 | Metabolic alterations derived from absence of Two-Pore Channel 1 at cardiac level. Journal of Biosciences, 2016, 41, 643-658. | 0.5 | 7 |
| 32 | Protein Inhibitor of NOS1 Plays a Central Role in the Regulation of NOS1 Activity in Human Dilated Hearts. Scientific Reports, 2016, 6, 30902. | 1.6 | 5 |
| 33 | TRPM7 is downâ€regulated 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 |
| 34 | 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 |
| 35 | 24Âh nesfatin-1 treatment promotes apoptosis in cardiomyocytes. Endocrine, 2016, 51, 551-555. | 1.1 | 7 |
| 36 | New Cell Adhesion Molecules in Human Ischemic Cardiomyopathy. PCDHGA3 Implications in Decreased Stroke Volume and Ventricular Dysfunction. PLoS ONE, 2016, 11, e0160168. | 1.1 | 15 |

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|---|---|---|---|
| 37 | A simple validated method for predicting the risk of hospitalization for worsening of heart failure in ambulatory patients: the Redinâ€SCORE. European Journal of Heart Failure, 2015, 17, 818-827. | 2.9 | 50 |
| 38 | 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 |
| 39 | The Adipokine Chemerin Induces Apoptosis in Cardiomyocytes. Cellular Physiology and Biochemistry, 2015, 37, 176-192. | 1.1 | 44 |
| 40 | Incidence of Development of Obesity After Heart Transplantation According to the Calcineurin Inhibitor. Transplantation Proceedings, 2015, 47, 127-129. | 0.3 | 8 |
| 41 | ATP synthase subunit alpha and LV mass in ischaemic human hearts. Journal of Cellular and Molecular Medicine, 2015, 19, 442-451. | 1.6 | 15 |
| 42 | 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 |
| 43 | Gene expression network analysis reveals new transcriptional regulators as novel factors in human ischemic cardiomyopathy. BMC Medical Genomics, 2015, 8, 14. | 0.7 | 19 |
| 44 | 20years of leptin: Role of leptin in cardiomyocyte physiology and physiopathology. Life Sciences, 2015, 140, 10-18. | 2.0 | 27 |
| 45 | RNA Sequencing Analysis and Atrial Natriuretic Peptide Production in Patients with Dilated and Ischemic Cardiomyopathy. PLoS ONE, 2014, 9, e90157. | 1.1 | 23 |
| 46 | 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 |
| 47 | RNA-sequencing analysis reveals new alterations in cardiomyocyte cytoskeletal genes in patients with heart failure. Laboratory Investigation, 2014, 94, 645-653. | 1.7 | 35 |
| 48 | Does the calcineurin inhibitor have influence on cytomegalovirus infection in heart transplantation?. Clinical Transplantation, 2014, 28, 88-95. | 0.8 | 11 |
| 49 | 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. International Journal of Cardiology, 2014, 174, e84-e86. | 0.8 | 7 |
| 50 | Functional Networks of Nucleocytoplasmic Transport-Related Genes Differentiate Ischemic and Dilated Cardiomyopathies. A New Therapeutic Opportunity. PLoS ONE, 2014, 9, e104709. | 1.1 | 27 |
| 51 | Endoplasmic Reticulum Stress Induces Different Molecular Structural Alterations in Human Dilated and Ischemic Cardiomyopathy. PLoS ONE, 2014, 9, e107635. | 1.1 | 55 |
| 52 | Heart failure entails significant changes in human nucleocytoplasmic transport gene expression. International Journal of Cardiology, 2013, 168, 2837-2843. | 0.8 | 23 |
| 53 | Nesfatin-1 in Human and Murine Cardiomyocytes: Synthesis, Secretion, and Mobilization of GLUT-4. Endocrinology, 2013, 154, 4757-4767. | 1.4 | 62 |
| 54 | Impact of basal heart rate on long-term prognosis of heart transplant patients. Transplant International, 2013, 26, 502-507. | 0.8 | 13 |

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|---|---|---|---|
| 55 | Subjective symptoms related to GSM radiation from mobile phone base stations: a cross-sectional study. BMJ Open, 2013, 3, e003836. | 0.8 | 22 |
| 56 | Circulating biomarkers of collagen metabolism in arterial hypertension. Journal of Hypertension, 2013, 31, 1611-1617. | 0.3 | 21 |
| 57 | Differential clinical characteristics and prognosis of intraventricular conduction defects in patients with chronic heart failure. European Journal of Heart Failure, 2013, 15, 877-884. | 2.9 | 27 |
| 58 | Metabolic syndrome in heart transplantation: impact on survival and renal function. Transplant International, 2013, 26, 910-918. | 0.8 | 7 |
| 59 | Differential Gene Expression of Cardiac Ion Channels in Human Dilated Cardiomyopathy. PLoS ONE, 2013, 8, e79792. | 1.1 | 64 |
| 60 | Sum of effects of myocardial ischemia followed by electrically induced tachycardia on myocardial function. Medical Science Monitor Basic Research, 2013, 19, 153-162. | 2.6 | 2 |
| 61 | MMP-2 and sTNF-R1 Variability in Patients with Essential Hypertension: 1-Year Follow-Up Study. ISRN Cardiology, 2012, 2012, 1-7. | 1.6 | 4 |
| 62 | Influence of Metabolic Syndrome on Development of Cardiac Allograft Vasculopathy in the Transplanted Heart. Transplantation, 2012, 93, 106-111. | 0.5 | 20 |
| 63 | Inflammation and Apoptosis in Hypertension. Relevance of the Extent of Target Organ Damage. Revista Espanola De Cardiologia (English Ed ), 2012, 65, 819-825. | 0.4 | 6 |
| 64 | Serum markers of apoptosis in the early period of heart transplantation. Biomarkers, 2012, 17, 254-260. | 0.9 | 8 |
| 65 | InflamaciÃ³n y apoptosis en la hipertensiÃ³n arterial. Importancia de la extensiÃ³n de la lesiÃ³n de Ã³rgano diana. Revista Espanola De Cardiologia, 2012, 65, 819-825. | 0.6 | 25 |
| 66 | Impact of Cardiovascular Risk Factors and Inflammatory Status on Urinary 8-OHdG in Essential Hypertension. American Journal of Hypertension, 2012, 25, 236-242. | 1.0 | 24 |
| 67 | Impact of glomerular filtration rate on urinary BNP and NT-proBNP levels in heart failure. Peptides, 2012, 33, 354-358. | 1.2 | 12 |
| 68 | Expression of B-type natriuretic peptide forms in ischemic human hearts. International Journal of Cardiology, 2012, 158, 199-204. | 0.8 | 7 |
| 69 | 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 |
| 70 | Low density lipoprotein receptor-related protein 1 expression correlates with cholesteryl ester accumulation in the myocardium of ischemic cardiomyopathy patients. Journal of Translational Medicine, 2012, 10, 160. | 1.8 | 34 |
| 71 | Cardiac protein changes in ischaemic and dilated cardiomyopathy: a proteomic study of human left ventricular tissue. Journal of Cellular and Molecular Medicine, 2012, 16, 2471-2486. | 1.6 | 31 |
| 72 | Differences in MEF2 and NFAT Transcriptional Pathways According to Human Heart Failure Aetiology. PLoS ONE, 2012, 7, e30915. | 1.1 | 24 |

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|---|---|---|---|
| 73 | Variability of NT-proBNP and Its Relationship with Inflammatory Status in Patients with Stable Essential Hypertension: A 2-Year Follow-Up Study. PLoS ONE, 2012, 7, e31189. | 1.1 | 10 |
| 74 | Heart Failure Induces Significant Changes in Nuclear Pore Complex of Human Cardiomyocytes. PLoS ONE, 2012, 7, e48957. | 1.1 | 41 |
| 75 | Increased Expression of Fatty-Acid and Calcium Metabolism Genes in Failing Human Heart. PLoS ONE, 2012, 7, e37505. | 1.1 | 46 |
| 76 | Long-Term Prognostic Implications of Metabolic Syndrome in Heart Transplant Recipients. Transplantation Proceedings, 2011, 43, 2257-2259. | 0.3 | 7 |
| 77 | Influence of heart failure on nucleocytoplasmic transport in human cardiomyocytes. Cardiovascular Research, 2010, 85, 464-472. | 1.8 | 33 |
| 78 | Mycophenolate Acid vs Mycophenolate Mofetil Therapy. Transplantation Proceedings, 2010, 42, 3041-3043. | 0.3 | 1 |
| 79 | Timing, Etiology, and Location of First Infection in First Year After Heart Transplantation. Transplantation Proceedings, 2010, 42, 3017-3019. | 0.3 | 11 |
| 80 | Proliferation Signal Inhibitors in Heart Transplantation: A 5-Year Experience. Transplantation Proceedings, 2010, 42, 2992-2993. | 0.3 | 7 |
| 81 | The Role of the Nuclear Lamins in the Pathogenesis of Heart Failure in Patients Undergoing Cardiac Transplantation. Transplantation Proceedings, 2009, 41, 2227-2230. | 0.3 | 4 |
| 82 | Urinary NT-proBNP: A Valuable Marker in the Assessment of Patients With Essential Hypertension. Revista Espanola De Cardiologia (English Ed ), 2009, 62, 1322-1325. | 0.4 | 3 |
| 83 | Inflammatory Activation and Left Ventricular Mass in Essential Hypertension. American Journal of Hypertension, 2009, 22, 444-450. | 1.0 | 35 |
| 84 | Obese and Nonobese Patients With Essential Hypertension Show Similar N-terminal proBNP Plasma Levels. American Journal of Hypertension, 2008, 21, 820-825. | 1.0 | 9 |
| 85 | Variability of NT-proBNP plasma and urine levels in patients with stable heart failure: a 2-year follow-up study. Heart, 2007, 93, 957-962. | 1.2 | 28 |
| 86 | Ethanol affects calmodulin and the calmodulin-binding proteins neuronal nitric oxide synthase and Î±II-spectrin (Î±-fodrin) in the nucleus of growing and differentiated rat astrocytes in primary culture. Toxicology in Vitro, 2007, 21, 1039-1049. | 1.1 | 5 |
| 87 | 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 |
| 88 | Left ventricular cavity area reflects N-terminal pro-brain natriuretic peptide plasma levels in heart failureâ˜†. European Journal of Echocardiography, 2006, 7, 45-52. | 2.3 | 12 |
| 89 | Diagnostic and prognostic value of urine NT-proBNP levels in heart failure patients. European Journal of Heart Failure, 2006, 8, 621-627. | 2.9 | 49 |
| 90 | Obese subjects with heart failure have lower N-terminal pro-brain natriuretic peptide plasma levels irrespective of aetiology. European Journal of Heart Failure, 2005, 7, 1168-1170. | 2.9 | 45 |

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|---|---|---|---|
| 91 | PRENATAL ETHANOL EXPOSURE ALTERS THE CYTOSKELETON AND INDUCES GLYCOPROTEIN MICROHETEROGENEITY IN RAT NEWBORN HEPATOCYTES. Alcohol and Alcoholism, 2004, 39, 203-212. | 0.9 | 21 |
| 92 | The Microwave Syndrome: A Preliminary Study in Spain. Electromagnetic Biology and Medicine, 2003, 22, 161-169. | 0.7 | 112 |
| 93 | Ethanol impairs monosaccharide uptake and glycosylation in cultured rat astrocytes. Journal of Neurochemistry, 2002, 83, 601-612. | 2.1 | 35 |
| 94 | Effect of hyperammonemia on brain amino acids in young and adult ferrets. Amino Acids, 1993, 5, 289-297. | 1.2 | 1 |
| 95 | Effect of arginine-free diet on plasma and tissue amino acids in young and adult ferrets. Journal of Nutritional Biochemistry, 1991, 2, 72-78. | 1.9 | 7 |
| 96 | Effect of caffeine on urea biosynthesis and some related processes, ketone bodies, ATP and liver amino acids. Biochemical Pharmacology, 1989, 38, 2727-2732. | 2.0 | 8 |
| 97 | 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. Molecular and Cellular Biochemistry, 1988, 79, 107-112. | 1.4 | 5 |
| 98 | 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 |
| 99 | In vitro effect of caffeine on some aspects of nitrogen metabolism in isolated rat hepatocytes. Biochimie, 1988, 70, 1417-1421. | 1.3 | 2 |
| 100 | Effect of Thyroid Hormones on Urea Biosynthesis and Related Processes in Rat Liver*. Endocrinology, 1988, 123, 2167-2174. | 1.4 | 41 |
| 101 | Thyroid Hormone Levels in Rats Exposed to Alcohol during Development. Hormone and Metabolic Research, 1988, 20, 267-270. | 0.7 | 29 |
| 102 | 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 |
| 103 | Rats fed prolonged high protein diets show an increase in nitrogen metabolism and liver megamitochondria. Archives of Biochemistry and Biophysics, 1987, 258, 426-435. | 1.4 | 40 |
| 104 | Non-ketotic hyperglycinaemia: prenatal diagnosis and detection of heterozygotes with glycine/serine ratios. Journal of Inherited Metabolic Disease, 1987, 10, 198-199. | 1.7 | 1 |
| 105 | The high incidence of neonatal hypothyroidism: artificial or real?. European Journal of Pediatrics, 1986, 145, 158-158. | 1.3 | 0 |
| 106 | Rats that consume caffeine show decreased brain protein synthesis. Neurochemical Research, 1986, 11, 63-69. | 1.6 | 17 |
| 107 | A new case of arginase deficiency in a Spanish male. Journal of Inherited Metabolic Disease, 1986, 9, 393-397. | 1.7 | 25 |
| 108 | High-performance liquid chromatographic assay of argininosuccinate: its application in argininosuccinic aciduria and in normal man. Journal of Inherited Metabolic Disease, 1986, 9, 31-38. | 1.7 | 7 |

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| 109 | Caffeine-induced changes in the composition of the free amino acid pool of the cerebral cortex. Neurochemical Research, 1985, 10, 887-895. | 1.6 | 22 |
| 110 | Lesch-Nyhan Syndrome, Caffeine Model: Increase of Purine and Pyrimidine Enzymes in Rat Brain. Journal of Neurochemistry, 1984, 43, 1556-1560. | 2.1 | 33 |
| 111 | Priority of screening for neonatal hypothyroidism in Spain. European Journal of Pediatrics, 1982, 138, 359-359. | 1.3 | 1 |