

MarÃ-a G Barderas

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

2,108
citations

249298

26
h-index

325983

40
g-index

108
all docs

108
docs citations

108
times ranked

3484
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Subclinical Liver Disease Is Associated with Subclinical Atherosclerosis in Psoriasis: Results from Two Observational Studies. <i>Journal of Investigative Dermatology</i> , 2022, 142, 88-96. | 0.3 | 5 |
| 2 | Underperformance of clinical risk scores in identifying imaging-based high cardiovascular risk in psoriasis: results from two observational cohorts. <i>European Journal of Preventive Cardiology</i> , 2022, 29, 591-598. | 0.8 | 9 |
| 3 | The Influence of Coronary Artery Disease in the Development of Aortic Stenosis and the Importance of the Albumin Redox State. <i>Antioxidants</i> , 2022, 11, 317. | 2.2 | 6 |
| 4 | Prioritization of Candidate Biomarkers for Degenerative Aortic Stenosis through a Systems Biology-Based In-Silico Approach. <i>Journal of Personalized Medicine</i> , 2022, 12, 642. | 1.1 | 0 |
| 5 | Diabetes Mellitus and Its Implications in Aortic Stenosis Patients. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6212. | 1.8 | 7 |
| 6 | TCA Cycle and Fatty Acids Oxidation Reflect Early Cardiorenal Damage in Normoalbuminuric Subjects with Controlled Hypertension. <i>Antioxidants</i> , 2021, 10, 1100. | 2.2 | 6 |
| 7 | Early renal and vascular damage within the normoalbuminuria condition. <i>Journal of Hypertension</i> , 2021, 39, 2220-2231. | 0.3 | 7 |
| 8 | Cardiovascular Risk Stratification Based on Oxidative Stress for Early Detection of Pathology. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 602-617. | 2.5 | 9 |
| 9 | Analysis of Global Oxidative Status Using Multimarker Scores Reveals a Specific Association Between Renal Dysfunction and Diuretic Therapy in Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2021, 76, 1198-1205. | 1.7 | 4 |
| 10 | Comprehensive Proteomic Profiling of Pressure Ulcers in Patients with Spinal Cord Injury Identifies a Specific Protein Pattern of Pathology. <i>Advances in Wound Care</i> , 2020, 9, 277-294. | 2.6 | 5 |
| 11 | 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 |
| 12 | Prediction of the early response to spironolactone in resistant hypertension by the combination of matrix metalloproteinase-9 activity and arterial stiffness parameters. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2020, , . | 1.4 | 0 |
| 13 | Oxidized Low-Density Lipoprotein Associates with Ventricular Stress in Young Adults and Triggers Intracellular Ca ²⁺ Alterations in Adult Ventricular Cardiomyocytes. <i>Antioxidants</i> , 2020, 9, 1213. | 2.2 | 7 |
| 14 | Patient Management in Aortic Stenosis: Towards Precision Medicine through Protein Analysis, Imaging and Diagnostic Tests. <i>Journal of Clinical Medicine</i> , 2020, 9, 2421. | 1.0 | 2 |
| 15 | Why Does COVID-19 Affect Patients with Spinal Cord Injury Milder? A Case-Control Study: Results from Two Observational Cohorts. <i>Journal of Personalized Medicine</i> , 2020, 10, 182. | 1.1 | 5 |
| 16 | Urinary metabolic signatures reflect cardiovascular risk in the young, middle-aged, and elderly populations. <i>Journal of Molecular Medicine</i> , 2020, 98, 1603-1613. | 1.7 | 10 |
| 17 | Differential metabolic profile associated with the condition of normoalbuminuria in the hypertensive population. <i>Nefrologia</i> , 2020, 40, 439-445. | 0.2 | 3 |
| 18 | Effects of Growth Hormone Treatment and Rehabilitation in Incomplete Chronic Traumatic Spinal Cord Injury: Insight from Proteome Analysis. <i>Journal of Personalized Medicine</i> , 2020, 10, 183. | 1.1 | 3 |

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|----|---|-----|-----------|
| 19 | Novel molecular plasma signatures on cardiovascular disease can stratify patients throughout life. <i>Journal of Proteomics</i> , 2020, 222, 103816. | 1.2 | 5 |
| 20 | Perfil metabólico diferenciador asociado a la condición de normoalbuminuria en la población hipertensa. <i>Nefrología</i> , 2020, 40, 440-445. | 0.2 | 2 |
| 21 | Lifetime cardiovascular risk is associated with a multimarker score of systemic oxidative status in young adults independently of traditional risk factors. <i>Translational Research</i> , 2019, 212, 54-66. | 2.2 | 8 |
| 22 | Proteomic investigations into hypertension: what's new and how might it affect clinical practice?. <i>Expert Review of Proteomics</i> , 2019, 16, 583-591. | 1.3 | 3 |
| 23 | Frequency and Prognosis of Treated Hypertensive Patients According to Prior and New Blood Pressure Goals. <i>Hypertension</i> , 2019, 74, 130-136. | 1.3 | 12 |
| 24 | Association between renal dysfunction and metalloproteinase (MMP)-9 activity in hypertensive patients. <i>Nefrología</i> , 2019, 39, 184-191. | 0.2 | 6 |
| 25 | Identification of six cardiovascular risk biomarkers in the young population: A promising tool for early prevention. <i>Atherosclerosis</i> , 2019, 282, 67-74. | 0.4 | 14 |
| 26 | Asociación entre disminución de la función renal y actividad metaloproteínasa-9 en el paciente hipertenso. <i>Nefrología</i> , 2019, 39, 184-191. | 0.2 | 8 |
| 27 | Urine Haptoglobin and Haptoglobin-Related Protein Predict Response to Spironolactone in Patients With Resistant Hypertension. <i>Hypertension</i> , 2019, 73, 794-802. | 1.3 | 6 |
| 28 | Translational science in albuminuria: a new view of de novo albuminuria under chronic RAS suppression. <i>Clinical Science</i> , 2018, 132, 739-758. | 1.8 | 4 |
| 29 | Potential role of new molecular plasma signatures on cardiovascular risk stratification in asymptomatic individuals. <i>Scientific Reports</i> , 2018, 8, 4802. | 1.6 | 8 |
| 30 | A comprehensive study of calcific aortic stenosis: from rabbit to human samples. <i>DMM Disease Models and Mechanisms</i> , 2018, 11, . | 1.2 | 6 |
| 31 | Two-Dimensional Electrophoresis and Identification by Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017, 1592, 71-78. | 0.4 | 1 |
| 32 | Immune system deregulation in hypertensive patients chronically RAS suppressed developing albuminuria. <i>Scientific Reports</i> , 2017, 7, 8894. | 1.6 | 13 |
| 33 | Citric Acid Metabolism in Resistant Hypertension. <i>Hypertension</i> , 2017, 70, 1049-1056. | 1.3 | 36 |
| 34 | Recent advances and clinical insights into the use of proteomics in the study of atherosclerosis. <i>Expert Review of Proteomics</i> , 2017, 14, 701-713. | 1.3 | 6 |
| 35 | Proteomic Analysis of Blood Extracellular Vesicles in Cardiovascular Disease by LC-MS/MS Analysis. <i>Methods in Molecular Biology</i> , 2017, 1619, 141-149. | 0.4 | 1 |
| 36 | A clinical perspective on the utility of alpha 1 antichymotrypsin for the early diagnosis of calcific aortic stenosis. <i>Clinical Proteomics</i> , 2017, 14, 12. | 1.1 | 14 |

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|----|---|-----|-----------|
| 37 | A multicentric study to evaluate the use of relative retention times in targeted proteomics. <i>Journal of Proteomics</i> , 2017, 152, 138-149. | 1.2 | 9 |
| 38 | Progression of Renal Insufficiency in Patients with Essential Hypertension Treated with Renin Angiotensin Aldosterone System Blockers: An Electrocardiographic Correlation. <i>Diseases (Basel)</i> , 2017, 9, 110-116. | 1.0 | 6 |
| 39 | Rapid, Automated, and Specific Immunoassay to Directly Measure Matrix Metalloproteinase-9 Tissue Inhibitor of Metalloproteinase-1 Interactions in Human Plasma Using AlphaLISA Technology: A New Alternative to Classical ELISA. <i>Frontiers in Immunology</i> , 2017, 8, 853. | 2.2 | 14 |
| 40 | Kalirin and CHD7: novel endothelial dysfunction indicators in circulating extracellular vesicles from hypertensive patients with albuminuria. <i>Oncotarget</i> , 2017, 8, 15553-15562. | 0.8 | 20 |
| 41 | Urinary exosomes reveal protein signatures in hypertensive patients with albuminuria. <i>Oncotarget</i> , 2017, 8, 44217-44231. | 0.8 | 33 |
| 42 | MALDI-Imaging Mass Spectrometry: a step forward in the anatomopathological characterization of stenotic aortic valve tissue. <i>Scientific Reports</i> , 2016, 6, 27106. | 1.6 | 39 |
| 43 | Hypertensive patients exhibit an altered metabolism. A specific metabolite signature in urine is able to predict albuminuria progression. <i>Translational Research</i> , 2016, 178, 25-37. | 2.2 | 28 |
| 44 | Role of matrix metalloproteinase-9 in chronic kidney disease: a new biomarker of resistant albuminuria. <i>Clinical Science</i> , 2016, 130, 525-538. | 1.8 | 48 |
| 45 | Patients with calcific aortic stenosis exhibit systemic molecular evidence of ischemia, enhanced coagulation, oxidative stress and impaired cholesterol transport. <i>International Journal of Cardiology</i> , 2016, 225, 99-106. | 0.8 | 34 |
| 46 | Plasma Molecular Signatures in Hypertensive Patients With Renin-Angiotensin System Suppression. <i>Hypertension</i> , 2016, 68, 157-166. | 1.3 | 18 |
| 47 | Urinary alpha-1 antitrypsin and CD59 glycoprotein predict albuminuria development in hypertensive patients under chronic renin-angiotensin system suppression. <i>Cardiovascular Diabetology</i> , 2016, 15, 8. | 2.7 | 24 |
| 48 | Cytoskeleton deregulation and impairment in amino acids and energy metabolism in early atherosclerosis at aortic tissue with reflection in plasma. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016, 1862, 725-732. | 1.8 | 35 |
| 49 | iTRAQ proteomic analysis of extracellular matrix remodeling in aortic valve disease. <i>Scientific Reports</i> , 2015, 5, 17290. | 1.6 | 36 |
| 50 | Kidney tissue proteomics reveals regucalcin downregulation in response to diabetic nephropathy with reflection in urinary exosomes. <i>Translational Research</i> , 2015, 166, 474-484. | 2.2 | 62 |
| 51 | KLK1 and ZG16B proteins and arginine-proline metabolism identified as novel targets to monitor atherosclerosis, acute coronary syndrome and recovery. <i>Metabolomics</i> , 2015, 11, 1056-1067. | 1.4 | 35 |
| 52 | ATP synthase subunit alpha and LV mass in ischaemic human hearts. <i>Journal of Cellular and Molecular Medicine</i> , 2015, 19, 442-451. | 1.6 | 15 |
| 53 | Contribution of proteomics to the management of vascular disorders. <i>Translational Proteomics</i> , 2015, 7, 3-14. | 1.2 | 3 |
| 54 | Molecular anatomy of ascending aorta in atherosclerosis by MS Imaging: Specific lipid and protein patterns reflect pathology. <i>Journal of Proteomics</i> , 2015, 126, 245-251. | 1.2 | 27 |

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|----|---|-----|-----------|
| 55 | Prediction of development and maintenance of high albuminuria during chronic renin-angiotensin suppression by plasma proteomics. <i>International Journal of Cardiology</i> , 2015, 196, 170-177. | 0.8 | 18 |
| 56 | Lipid and protein maps defining arterial layers in atherosclerotic aorta. <i>Data in Brief</i> , 2015, 4, 328-331. | 0.5 | 13 |
| 57 | Heart Mitochondrial Proteome Study Elucidates Changes in Cardiac Energy Metabolism and Antioxidant PRDX3 in Human Dilated Cardiomyopathy. <i>PLoS ONE</i> , 2014, 9, e112971. | 1.1 | 16 |
| 58 | Application of Metabolomics to Cardiovascular and Renal Disease Biomarker Discovery. <i>Comprehensive Analytical Chemistry</i> , 2014, , 279-308. | 0.7 | 0 |
| 59 | Plasma metabolomics reveals a potential panel of biomarkers for early diagnosis in acute coronary syndrome. <i>Metabolomics</i> , 2014, 10, 414-424. | 1.4 | 45 |
| 60 | Identification of a urine metabolomic signature in patients with advanced-stage chronic kidney disease. <i>Kidney International</i> , 2014, 85, 103-111. | 2.6 | 135 |
| 61 | Proteomic characterization of human coronary thrombus in patients with ST-segment elevation acute myocardial infarction. <i>Journal of Proteomics</i> , 2014, 109, 368-381. | 1.2 | 33 |
| 62 | The plasma proteomic signature as a strategic tool for early diagnosis of acute coronary syndrome. <i>Proteome Science</i> , 2014, 12, 43. | 0.7 | 5 |
| 63 | Identification of a circulating microvesicle protein network involved in ST-elevation myocardial infarction. <i>Thrombosis and Haemostasis</i> , 2014, 112, 716-726. | 1.8 | 39 |
| 64 | Deregulation of smooth muscle cell cytoskeleton within the human atherosclerotic coronary media layer. <i>Journal of Proteomics</i> , 2013, 82, 155-165. | 1.2 | 49 |
| 65 | Aortic stenosis: a general overview of clinical, pathophysiological and therapeutic aspects. <i>Expert Review of Cardiovascular Therapy</i> , 2013, 11, 239-250. | 0.6 | 17 |
| 66 | Differential Protein Expression Analysis of Degenerative Aortic Stenosis by iTRAQ Labeling. <i>Methods in Molecular Biology</i> , 2013, 1005, 109-117. | 0.4 | 2 |
| 67 | Secretome of Human Aortic Valves. <i>Methods in Molecular Biology</i> , 2013, 1005, 237-243. | 0.4 | 4 |
| 68 | A Comparative Study of Immunodepletion and Equalization Methods for Aortic Stenosis Human Plasma. <i>Methods in Molecular Biology</i> , 2013, 1005, 245-256. | 0.4 | 1 |
| 69 | Characterization of Membrane and Cytosolic Proteins of Erythrocytes. <i>Methods in Molecular Biology</i> , 2013, 1000, 71-80. | 0.4 | 4 |
| 70 | Laser Microdissection and Saturation Labeling DIGE Method for the Analysis of Human Arteries. <i>Methods in Molecular Biology</i> , 2013, 1000, 21-32. | 0.4 | 2 |
| 71 | Vascular Proteomics. <i>Methods in Molecular Biology</i> , 2013, 1000, 1-20. | 0.4 | 11 |
| 72 | Characterization and Analysis of Human Arterial Tissue Secretome by 2-DE and nLC-MS/MS. <i>Methods in Molecular Biology</i> , 2013, 1000, 81-90. | 0.4 | 0 |

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|----|---|-----|-----------|
| 73 | Multiple Reaction Monitoring (MRM) of Plasma Proteins in Cardiovascular Proteomics. <i>Methods in Molecular Biology</i> , 2013, 1000, 191-199. | 0.4 | 6 |
| 74 | Modification of the Secretion Pattern of Proteases, Inflammatory Mediators, and Extracellular Matrix Proteins by Human Aortic Valve is Key in Severe Aortic Stenosis. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2426-2439. | 2.5 | 23 |
| 75 | Proteomics Toward Biomarkers Discovery and Risk Assessment. , 2013, , 115-130. | | 0 |
| 76 | Potential blood biomarkers for stroke. <i>Expert Review of Proteomics</i> , 2012, 9, 437-449. | 1.3 | 28 |
| 77 | A role for the membrane proteome in human chronic kidney disease erythrocytes. <i>Translational Research</i> , 2012, 160, 374-383. | 2.2 | 17 |
| 78 | Proteomic Profile of Human Aortic Stenosis: Insights into the Degenerative Process. <i>Journal of Proteome Research</i> , 2012, 11, 1537-1550. | 1.8 | 57 |
| 79 | Inside human aortic stenosis: A proteomic analysis of plasma. <i>Journal of Proteomics</i> , 2012, 75, 1639-1653. | 1.2 | 31 |
| 80 | Secretome analysis of atherosclerotic and non-atherosclerotic arteries reveals dynamic extracellular remodeling during pathogenesis. <i>Journal of Proteomics</i> , 2012, 75, 2960-2971. | 1.2 | 56 |
| 81 | Aportaciones de la proteómica al laboratorio clínico. <i>Revista Del Laboratorio Clínico</i> , 2011, 4, 214-224. | 0.1 | 0 |
| 82 | Targeting antigens to an invariant epitope of the MHC Class II DR molecule potentiates the immune response to subunit vaccines. <i>Virus Research</i> , 2011, 155, 55-60. | 1.1 | 18 |
| 83 | Metabolomic Profiling for Identification of Novel Potential Biomarkers in Cardiovascular Diseases. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-9. | 3.0 | 81 |
| 84 | A Proteomic Focus on the Alterations Occurring at the Human Atherosclerotic Coronary Intima. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M110.003517. | 2.5 | 71 |
| 85 | Valvular Aortic Stenosis: A Proteomic Insight. <i>Clinical Medicine Insights: Cardiology</i> , 2010, 4, CMC.S3884. | 0.6 | 22 |
| 86 | Development of an Optimal Protocol for the Proteomic Analysis of Stenotic and Healthy Aortic Valves. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2010, 63, 46-53. | 0.4 | 5 |
| 87 | Analysis of the Plasma Proteome Associated with Acute Coronary Syndrome: Does a Permanent Protein Signature Exist in the Plasma of ACS Patients?. <i>Journal of Proteome Research</i> , 2010, 9, 4420-4432. | 1.8 | 52 |
| 88 | Obtención de un protocolo óptimo para el análisis proteómico de válvulas aórticas humanas sanas y estenóticas. <i>Revista Espanola De Cardiologia</i> , 2010, 63, 46-53. | 0.6 | 9 |
| 89 | A novel methodology for the analysis of membrane and cytosolic subproteomes of erythrocytes by 2-DE. <i>Electrophoresis</i> , 2009, 30, 4095-4108. | 1.3 | 18 |
| 90 | Atorvastatin modifies the protein profile of circulating human monocytes after an acute coronary syndrome. <i>Proteomics</i> , 2009, 9, 1982-1993. | 1.3 | 23 |

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| 91 | An optimum method designed for 2D DIGE analysis of human arterial intima and media layers isolated by laser microdissection. <i>Proteomics - Clinical Applications</i> , 2009, 3, 1174-1184. | 0.8 | 14 |
| 92 | Tissue proteomics in atherosclerosis: elucidating the molecular mechanisms of cardiovascular diseases. <i>Expert Review of Proteomics</i> , 2009, 6, 395-409. | 1.3 | 24 |
| 93 | Differential Role of Human Choline Kinase $\hat{1}$ and $\hat{2}$ Enzymes in Lipid Metabolism: Implications in Cancer Onset and Treatment. <i>PLoS ONE</i> , 2009, 4, e7819. | 1.1 | 88 |
| 94 | Depletion of High-Abundance Proteins in Plasma by Immunoaffinity Subtraction for Two-Dimensional Difference Gel Electrophoresis Analysis. , 2007, 357, 351-364. | | 44 |
| 95 | Characterization of Circulating Human Monocytes by Proteomic Analysis. , 2007, 357, 319-328. | | 8 |
| 96 | Characterization of the Human Atheroma Plaque Secretome by Proteomic Analysis. , 2007, 357, 141-150. | | 21 |
| 97 | Circulating Human Monocytes in the Acute Coronary Syndrome Express a Characteristic Proteomic Profile. <i>Journal of Proteome Research</i> , 2007, 6, 876-886. | 1.8 | 52 |
| 98 | Vascular proteomics. <i>Proteomics - Clinical Applications</i> , 2007, 1, 1102-1122. | 0.8 | 14 |
| 99 | Atorvastatin modulates the profile of proteins released by human atherosclerotic plaques. <i>European Journal of Pharmacology</i> , 2007, 562, 119-129. | 1.7 | 48 |
| 100 | Comparison of the Protein Profile of Established and Regressed Hypertension-Induced Left Ventricular Hypertrophy. <i>Journal of Proteome Research</i> , 2006, 5, 404-413. | 1.8 | 29 |
| 101 | Proteomic Analysis of Early Left Ventricular Hypertrophy Secondary to Hypertension: Modulation by Antihypertensive Therapies. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, S159-S164. | 3.0 | 24 |
| 102 | Proteomic approach in the search of new cardiovascular biomarkers. <i>Kidney International</i> , 2005, 68, S103-S107. | 2.6 | 16 |
| 103 | Quest for Novel Cardiovascular Biomarkers by Proteomic Analysis. <i>Journal of Proteome Research</i> , 2005, 4, 1181-1191. | 1.8 | 80 |