Gloria Alvarez Llamas

List of Publications by Year
in descending order

130 papers	2,748 citations	172207 29 h-index	205818 48 g-index
140 all docs	140 docs citations	140 times ranked	4554 citing authors

#	Article	IF	Citations
1	Characterization of the Human Visceral Adipose Tissue Secretome. Molecular and Cellular Proteomics, 2007, 6, 589-600.	2.5	204
2	Identification of a urine metabolomic signature in patients with advanced-stage chronic kidney disease. Kidney International, 2014, 85, 103-111.	2.6	135
3	2017 update on the relationship between diabetes and colorectal cancer: epidemiology, potential molecular mechanisms and therapeutic implications. Oncotarget, 2017, 8, 18456-18485.	0.8	134
4	Diabetic nephropathy induces changes in the proteome of human urinary exosomes as revealed by label-free comparative analysis. Journal of Proteomics, 2014, 96, 92-102.	1.2	127
5	Proteomics analysis of Hodgkin lymphoma: identification of new players involved in the cross-talk between HRS cells and infiltrating lymphocytes. Blood, 2008, 111, 2339-2346.	0.6	114
6	ICP-MS for specific detection in capillary electrophoresis. TrAC - Trends in Analytical Chemistry, 2005, 24, 28-36.	5.8	93
7	Metabolomic Profiling for Identification of Novel Potential Biomarkers in Cardiovascular Diseases. Journal of Biomedicine and Biotechnology, 2011, 2011, 1-9.	3.0	81
8	Sample Stability and Protein Composition of Saliva: Implications for Its Use as a Diagnostic Fluid. Biomarker Insights, 2008, 3, BMI.S607.	1.0	75
9	A Proteomic Focus on the Alterations Occurring at the Human Atherosclerotic Coronary Intima. Molecular and Cellular Proteomics, 2011, 10, M110.003517.	2.5	71
10	Enantiomeric separation of organophosphorus pesticides by capillary electrophoresis. Analytica Chimica Acta, 2005, 543, 77-83.	2.6	68
11	Kidney tissue proteomics reveals regucalcin downregulation in response to diabetic nephropathy with reflection in urinary exosomes. Translational Research, 2015, 166, 474-484.e4.	2.2	62
12	Secretome analysis of atherosclerotic and non-atherosclerotic arteries reveals dynamic extracellular remodeling during pathogenesis. Journal of Proteomics, 2012, 75, 2960-2971.	1.2	56
13	Analysis of the Plasma Proteome Associated with Acute Coronary Syndrome: Does a Permanent Protein Signature Exist in the Plasma of ACS Patients?. Journal of Proteome Research, 2010, 9, 4420-4432.	1.8	52
14	Osteoprotegerin in Exosome-Like Vesicles from Human Cultured Tubular Cells and Urine. PLoS ONE, 2013, 8, e72387.	1.1	51
15	Deregulation of smooth muscle cell cytoskeleton within the human atherosclerotic coronary media layer. Journal of Proteomics, 2013, 82, 155-165.	1.2	49
16	Role of matrix metalloproteinase-9 in chronic kidney disease: a new biomarker of resistant albuminuria. Clinical Science, 2016, 130, 525-538.	1.8	48
17	Plasma metabolomics reveals a potential panel of biomarkers for early diagnosis in acute coronary syndrome. Metabolomics, 2014, 10, 414-424.	1.4	45
18	Exosomes: A Potential Key Target in Cardio-Renal Syndrome. Frontiers in Immunology, 2014, 5, 465.	2.2	43

#	Article	IF	Citations
19	Metallothionein isoforms separation and cadmium speciation by capillary electrophoresis with ultraviolet and quadrupole-inductively coupled plasma mass spectrometric detection. Analytica Chimica Acta, 2001, 448, 105-119.	2.6	40
20	Comparison of different chloroformates for the derivatisation of seleno amino acids for gas chromatographic analysis. Journal of Chromatography A, 2003, 1015, 1-10.	1.8	37
21	Citric Acid Metabolism in Resistant Hypertension. Hypertension, 2017, 70, 1049-1056.	1.3	36
22	KLK1 and ZG16B proteins and arginine–proline metabolism identified as novel targets to monitor atherosclerosis, acute coronary syndrome and recovery. Metabolomics, 2015, 11, 1056-1067.	1.4	35
23	Cytoskeleton deregulation and impairment in amino acids and energy metabolism in early atherosclerosis at aortic tissue with reflection in plasma. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 725-732.	1.8	35
24	Recent advances in atherosclerosis-based proteomics: new biomarkers and a future perspective. Expert Review of Proteomics, 2008, 5, 679-691.	1.3	34
25	Patients with calcific aortic stenosis exhibit systemic molecular evidence of ischemia, enhanced coagulation, oxidative stress and impaired cholesterol transport. International Journal of Cardiology, 2016, 225, 99-106.	0.8	34
26	Urinary exosomes reveal protein signatures in hypertensive patients with albuminuria. Oncotarget, 2017, 8, 44217-44231.	0.8	33
27	Sample stacking capillary electrophoresis with ICP-(Q)MS detection for Cd, Cu and Zn speciation in fish liver metallothioneins. Journal of Analytical Atomic Spectrometry, 2003, 18, 460-466.	1.6	32
28	Comparison of two CE-ICP-MS interfaces based on microflow nebulizers: application to cadmium speciation in metallothioneins using quadrupole and double focusing mass analyzers. Journal of Analytical Atomic Spectrometry, 2002, 17, 655-661.	1.6	30
29	Urine metabolomics insight into acute kidney injury point to oxidative stress disruptions in energy generation and H2S availability. Journal of Molecular Medicine, 2017, 95, 1399-1409.	1.7	30
30	30μm spatial resolution protein MALDI MSI: In-depth comparison of five sample preparation protocols applied to human healthy and atherosclerotic arteries. Journal of Proteomics, 2014, 108, 465-468.	1.2	29
31	An alternative interface for CE–ICP–MS cadmium speciation in metallothioneins based on volatile species generation. Analytica Chimica Acta, 2005, 546, 236-243.	2.6	28
32	Hypertensive patients exhibit an altered metabolism. A specific metabolite signature in urine is able to predict albuminuria progression. Translational Research, 2016, 178, 25-37.e7.	2.2	28
33	Molecular anatomy of ascending aorta in atherosclerosis by MS Imaging: Specific lipid and protein patterns reflect pathology. Journal of Proteomics, 2015, 126, 245-251.	1.2	27
34	Detection of transferrin isoforms in human serum: comparison of UV and ICP–MS detection after CZE and HPLC separations. Analytical and Bioanalytical Chemistry, 2005, 383, 390-397.	1.9	26
35	Proteomics profiling of urine with surface enhanced laser desorption/ionization time of flight mass spectrometry. Proteome Science, 2007, 5, 2.	0.7	24
36	Proteomic Biomarkers of Atherosclerosis. Biomarker Insights, 2008, 3, BMI.S488.	1.0	24

#	Article	IF	Citations
37	Tissue proteomics in atherosclerosis: elucidating the molecular mechanisms of cardiovascular diseases. Expert Review of Proteomics, 2009, 6, 395-409.	1.3	24
38	Urinary alpha-1 antitrypsin and CD59 glycoprotein predict albuminuria development in hypertensive patients under chronic renin-angiotensin system suppression. Cardiovascular Diabetology, 2016, 15, 8.	2.7	24
39	Modification of the Secretion Pattern of Proteases, Inflammatory Mediators, and Extracellular Matrix Proteins by Human Aortic Valve is Key in Severe Aortic Stenosis. Molecular and Cellular Proteomics, 2013, 12, 2426-2439.	2.5	23
40	Valvular Aortic Stenosis: A Proteomic Insight. Clinical Medicine Insights: Cardiology, 2010, 4, CMC.S3884.	0.6	22
41	Novel liquid chromatographyâ€"mass spectrometry method for sensitive determination of the mustard allergen Sin a 1 in food. Food Chemistry, 2015, 183, 58-63.	4.2	22
42	Endothelial Regulator of Calcineurin 1 Promotes Barrier Integrity and Modulates Histamine-Induced Barrier Dysfunction in Anaphylaxis. Frontiers in Immunology, 2017, 8, 1323.	2.2	22
43	Advances in understanding the role of angiotensin-regulated proteins in kidney diseases. Expert Review of Proteomics, 2019, 16, 77-92.	1.3	22
44	Proteomic Analysis of Urinary Exosomes in Cardiovascular and Associated Kidney Diseases by Two-Dimensional Electrophoresis and LCâ€"MS/MS. Methods in Molecular Biology, 2013, 1000, 209-220.	0.4	20
45	Urinary Kininogen-1 and Retinol binding protein-4 respond to Acute Kidney Injury: predictors of patient prognosis?. Scientific Reports, 2016, 6, 19667.	1.6	20
46	Kalirin and CHD7: novel endothelial dysfunction indicators in circulating extracellular vesicles from hypertensive patients with albuminuria. Oncotarget, 2017, 8, 15553-15562.	0.8	20
47	A novel methodology for the analysis of membrane and cytosolic subâ€proteomes of erythrocytes by 2â€DE. Electrophoresis, 2009, 30, 4095-4108.	1.3	18
48	Prediction of development and maintenance of high albuminuria during chronic renâ€"angiotensin suppression by plasma proteomics. International Journal of Cardiology, 2015, 196, 170-177.	0.8	18
49	Plasma Molecular Signatures in Hypertensive Patients With Renâ€"Angiotensin System Suppression. Hypertension, 2016, 68, 157-166.	1.3	18
50	Analysis of urinary exosomal metabolites identifies cardiovascular risk signatures with added value to urine analysis. BMC Biology, 2020, 18, 192.	1.7	18
51	A role for the membrane proteome in human chronic kidney disease erythrocytes. Translational Research, 2012, 160, 374-383.	2.2	17
52	Urine 2<scp>DE</scp> proteome analysis in healthy condition and kidney disease. Electrophoresis, 2014, 35, 2634-2641.	1.3	16
53	Analyses of intricate kinetics of the serum proteome during and after colon surgery by protein expression time series. Proteomics, 2007, 7, 3219-3228.	1.3	15
54	Vascular proteomics. Proteomics - Clinical Applications, 2007, 1, 1102-1122.	0.8	14

#	Article	IF	Citations
55	An optimum method designed for 2â€D DIGE analysis of human arterial intima and media layers isolated by laser microdissection. Proteomics - Clinical Applications, 2009, 3, 1174-1184.	0.8	14
56	Molecular histology of arteries: mass spectrometry imaging as a novel *ex vivo* tool to investigate atherosclerosis. Expert Review of Proteomics, 2016, 13, 69-81.	1.3	14
57	Rapid, Automated, and Specific Immunoassay to Directly Measure Matrix Metalloproteinase-9â€"Tissue Inhibitor of Metalloproteinase-1 Interactions in Human Plasma Using AlphaLISA Technology: A New Alternative to Classical ELISA. Frontiers in Immunology, 2017, 8, 853.	2.2	14
58	Identification of six cardiovascular risk biomarkers in the young population: A promising tool for early prevention. Atherosclerosis, 2019, 282, 67-74.	0.4	14
59	Lipid and protein maps defining arterial layers in atherosclerotic aorta. Data in Brief, 2015, 4, 328-331.	0.5	13
60	Immune system deregulation in hypertensive patients chronically RAS suppressed developing albuminuria. Scientific Reports, 2017, 7, 8894.	1.6	13
61	Molecular evidence of field cancerization initiated by diabetes in colon cancer patients. Molecular Oncology, 2019, 13, 857-872.	2.1	13
62	Molecular signatures of atherosclerotic plaques: An up-dated panel of protein related markers. Journal of Proteomics, 2020, 221, 103757.	1.2	12
63	Large volume sample stacking capillary electrophoresis for metallothioneins analysis in eel liver. Analytica Chimica Acta, 2003, 486, 183-190.	2.6	11
64	Vascular Proteomics. Methods in Molecular Biology, 2013, 1000, 1-20.	0.4	11
65	Differential analysis of protein expression of Bifidobacterium grown on different carbohydrates. Journal of Microbiological Methods, 2007, 69, 364-370.	0.7	10
66	Urinary metabolic signatures reflect cardiovascular risk in the young, middle-aged, and elderly populations. Journal of Molecular Medicine, 2020, 98, 1603-1613.	1.7	10
67	Obtención de un protocolo óptimo para el análisis proteómico de válvulas aórticas humanas sanas y estenóticas. Revista Espanola De Cardiologia, 2010, 63, 46-53.	0.6	9
68	A multicentric study to evaluate the use of relative retention times in targeted proteomics. Journal of Proteomics, 2017, 152, 138-149.	1.2	9
69	Diabetesâ€mediated promotion of colon mucosa carcinogenesis is associated with mitochondrial dysfunction. Molecular Oncology, 2019, 13, 1887-1897.	2.1	9
70	Proteomic profile of extracellular vesicles in anaphylaxis and their role in vascular permeability. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 2276-2279.	2.7	9
71	Cardiovascular Risk Stratification Based on Oxidative Stress for Early Detection of Pathology. Antioxidants and Redox Signaling, 2021, 35, 602-617.	2.5	9
72	Potential role of new molecular plasma signatures on cardiovascular risk stratification in asymptomatic individuals. Scientific Reports, 2018, 8, 4802.	1.6	8

#	Article	IF	Citations
73	Lifetime cardiovascular risk is associated with a multimarker score of systemic oxidative status in young adults independently of traditional risk factors. Translational Research, 2019, 212, 54-66.	2.2	8
74	AsociaciÃ³n entre disminuciÃ³n de la funciÃ³n renal y actividad metaloproteinasa-9 en el paciente hipertenso. Nefrologia, 2019, 39, 184-191.	0.2	8
75	Nonâ€syndromic thoracic aortic aneurysm: cellular and molecular insights. Journal of Pathology, 2021, 254, 229-238.	2.1	8
76	Oxidized Low-Density Lipoprotein Associates with Ventricular Stress in Young Adults and Triggers Intracellular Ca2+ Alterations in Adult Ventricular Cardiomyocytes. Antioxidants, 2020, 9, 1213.	2.2	7
77	Early renal and vascular damage within the normoalbuminuria condition. Journal of Hypertension, 2021, 39, 2220-2231.	0.3	7
78	A comprehensive study of calcific aortic stenosis: from rabbit to human samples. DMM Disease Models and Mechanisms, 2018, 11, .	1.2	6
79	Association between renal dysfunction and metalloproteinase (MMP)-9 activity in hypertensive patients. Nefrologia, 2019, 39, 184-191.	0.2	6
80	Proteomic and Biological Analysis of an In Vitro Human Endothelial System in Response to Drug Anaphylaxis. Frontiers in Immunology, 2021, 12, 692569.	2.2	6
81	TCA Cycle and Fatty Acids Oxidation Reflect Early Cardiorenal Damage in Normoalbuminuric Subjects with Controlled Hypertension. Antioxidants, 2021, 10, 1100.	2.2	6
82	Urine Haptoglobin and Haptoglobin-Related Protein Predict Response to Spironolactone in Patients With Resistant Hypertension. Hypertension, 2019, 73, 794-802.	1.3	6
83	Development of an Optimal Protocol for the Proteomic Analysis of Stenotic and Healthy Aortic Valves. Revista Espanola De Cardiologia (English Ed), 2010, 63, 46-53.	0.4	5
84	Novel molecular plasma signatures on cardiovascular disease can stratify patients throughout life. Journal of Proteomics, 2020, 222, 103816.	1.2	5
85	Colon cancer modulation by a diabetic environment: A single institutional experience. PLoS ONE, 2017, 12, e0172300.	1.1	5
86	Pharmacoproteomics in Cardiac Hypertrophy and Atherosclerosis. Cardiovascular & Hematological Disorders Drug Targets, 2009, 9, 141-148.	0.2	4
87	Secretome of Human Aortic Valves. Methods in Molecular Biology, 2013, 1005, 237-243.	0.4	4
88	Characterization of Membrane and Cytosolic Proteins of Erythrocytes. Methods in Molecular Biology, 2013, 1000, 71-80.	0.4	4
89	Translational science in albuminuria: a new view of de novo albuminuria under chronic RAS suppression. Clinical Science, 2018, 132, 739-758.	1.8	4
90	Urinary Spermidine Predicts and Associates with In-Hospital Acute Kidney Injury after Cardiac Surgery. Antioxidants, 2021, 10, 896.	2.2	4

#	Article	IF	Citations
91	Analysis of Global Oxidative Status Using Multimarker Scores Reveals a Specific Association Between Renal Dysfunction and Diuretic Therapy in Older Adults. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2021, 76, 1198-1205.	1.7	4
92	Proteomic Analysis of Circulating Monocytes Identifies Cathepsin D as A Potential Novel Plasma Marker of Acute Coronary Syndromes. Clinical Medicine Cardiology, 2008, 2, CMC.S654.	0.1	3
93	Differential metabolic profile associated with the condition of normoalbuminuria in the hypertensive population. Nefrologia, 2020, 40, 439-445.	0.2	3
94	Laser Microdissection and Saturation Labeling DIGE Method for the Analysis of Human Arteries. Methods in Molecular Biology, 2013, 1000, 21-32.	0.4	2
95	Perfil metabólmico diferenciador asociado a la condición de normoalbuminuria en la población hipertensa. Nefrologia, 2020, 40, 440-445.	0.2	2
96	Evidence of chronic kidney injury in patients not meeting KDIGO criteria for chronic kidney disease. CKJ: Clinical Kidney Journal, 0, , .	1.4	2
97	Two-Dimensional Electrophoresis and Identification by Mass Spectrometry. Methods in Molecular Biology, 2017, 1592, 71-78.	0.4	1
98	Proteomic Analysis of Blood Extracellular Vesicles in Cardiovascular Disease by LC-MS/MS Analysis. Methods in Molecular Biology, 2017, 1619, 141-149.	0.4	1
99	Metabolic Alterations Identified in Urine, Plasma and Aortic Smooth Muscle Cells Reflect Cardiovascular Risk in Patients with Programmed Coronary Artery Bypass Grafting. Antioxidants, 2021, 10, 1369.	2.2	1
100	Inductively coupled plasma-mass spectrometry for specific detection in capillary electrophoresis. Comprehensive Analytical Chemistry, 2005, 45, 519-555.	0.7	0
101	P372 PROTEOMIC ANALYSIS OF HUMAN ATHEROSCLEROTIC CORONARY INTIMA REVEALS NOVEL POTENTIAL BIOMARKERS IN HUMAN ATHEROSCLEROSIS. Atherosclerosis Supplements, 2010, 11, 95.	1.2	0
102	Aportaciones de la proteómica al laboratorio clínico. Revista Del Laboratorio Clínico, 2011, 4, 214-224.	0.1	0
103	Proteomics - A Powerful Tool to Deepen the Molecular Mechanisms of Aortic Stenosis Disease. , 2011, , .		0
104	Characterization and Analysis of Human Arterial Tissue Secretome by 2-DE and nLC-MS/MS. Methods in Molecular Biology, 2013, 1000, 81-90.	0.4	0
105	The Authors Reply:. Kidney International, 2014, 85, 1240.	2.6	0
106	Application of Metabolomics to Cardiovascular and Renal Disease Biomarker Discovery. Comprehensive Analytical Chemistry, 2014, , 279-308.	0.7	0
107	P247Molecular alterations in human urine reveal atherosclerosis development, cardiovascular event at onset and follow-up. Cardiovascular Research, 2014, 103, S44.2-S44.	1.8	0
108	Matrix assisted laser desorption/ionization mass spectrometry imaging (MALDI-MSI) reveals and localizes different lipids classes involved in atherosclerosis development. Atherosclerosis, 2014, 235, e31.	0.4	0

#	Article	IF	Citations
109	In-situ visualization of proteins location in human atherosclerotic and healthy arteries by maldi-msi. Atherosclerosis, 2014, 235, e159.	0.4	0
110	P472Atherosclerosis insight by matrix assisted laser desorption/ionization mass spectrometry imaging (MALDI-MSI). Cardiovascular Research, 2014, 103, S86.3-S86.	1.8	0
111	Molecular alterations in human urine reveal atherosclerosis development, cardiovascular event at onset and follow-up. Atherosclerosis, 2014, 235, e92-e93.	0.4	0
112	8D.08. Journal of Hypertension, 2015, 33, e115-e116.	0.3	0
113	Maldi-msi identifies the molecular anatomy of healthy and atherosclerotic arteries and reveals tmsb4x early accumulation in intima layer during atherosclerosis development. Atherosclerosis, 2015, 241, e159.	0.4	0
114	Proteome of Human Urinary Exosomes in Diabetic Nephropathy. , 2016, , 347-367.		0
115	Structural remodeling and glucose metabolism impairment at early atherosclerosis: In-situ aorta alterations and plasma translation. Atherosclerosis, 2016, 252, e248.	0.4	0
116	Plasma proteomic profiling to stratify cardiovascular risk in young population. Atherosclerosis, 2017, 263, e192.	0.4	0
117	Cardiovascular risk in young population: Identification of protein signatures in urine. Atherosclerosis, 2017, 263, e106.	0.4	0
118	P324New molecular panel with high sensitivity and specificity for early diagnosis of degenerative aortic stenosis. Cardiovascular Research, 2018, 114, S83-S83.	1.8	0
119	OXIDATIVE STRESS IS ASSOCIATED WITH LIFETIME CARDIOVASCULAR RISK STRATIFICATION IN YOUNG TO MIDDLE AGE INDIVIDUALS. Journal of Hypertension, 2018, 36, e145.	0.3	0
120	MMP-9 ACTIVITY DETERMINES THE EARLY RESPONSE TO TREATMENT WITH SPIRONOLACTONE IN RESISTANT HYPERTENSION. Journal of Hypertension, 2018, 36, e298.	0.3	0
121	A2492 Application of redox proteomics to stratified cardiovascular risk in young population. Journal of Hypertension, 2018, 36, e24.	0.3	0
122	NEW PREDICTIVE PROFILES IN PLASMA FOR CARDIOVASCULAR RISK STRATIFICATION IN ASYMPTOMATIC INDIVIDUALS. Journal of Hypertension, 2018, 36, e147.	0.3	0
123	CARDIOVASCULAR RISK STRATIFICATION IN YOUNG POPULATION. Journal of Hypertension, 2018, 36, e205.	0.3	0
124	The Urinary Exosomal Metabolism Reveals A Cardiovascular Risk Signature Of Added Value To Urine Analysis. Atherosclerosis, 2019, 287, e163-e164.	0.4	0
125	Lifetime Cardiovascular Risk Is Associated With Systemic Oxidative Status In Young Adults Independently Of Traditional Cardiovascular Risk Factors. Atherosclerosis, 2019, 287, e161-e162.	0.4	0
126	A urinary fingerprint reflects sub-clinical albuminuria and cardiovascular risk in hypertensive patients under chronic blood pressure control.. Atherosclerosis, 2019, 287, e64-e65.	0.4	0

#	Article	IF	Citations
127	Prediction of the early response to spironolactone in resistant hypertension by the combination of matrix metalloproteinase-9 activity and arterial stiffness parameters. European Heart Journal - Cardiovascular Pharmacotherapy, 2020, , .	1.4	0
128	Discovery of Biomarkers for Hodgkin Lymphoma Using Proteomics Technology.. Blood, 2006, 108, 2261-2261.	0.6	0
129	Proteomics Toward Biomarkers Discovery and Risk Assessment. , 2013, , 115-130.		0
130	Proteome of Human Urinary Exosomes in Diabetic Nephropathy. , 2015, , 1-21.		0