Jesus Vazquez

List of Publications by Year in descending order

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255	17,629	17440 63	19190 118
papers	citations	h-index	g-index

266	266	266	27255
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	APPRIS: selecting functionally important isoforms. Nucleic Acids Research, 2022, 50, D54-D59.	14.5	29
2	Expression of spidroin proteins in the silk glands of golden orbâ€weaver spiders. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2022, 338, 241-253.	1.3	8
3	Comparative proteomic analysis of nuclear and cytoplasmic compartments in human cardiac progenitor cells. Scientific Reports, 2022, 12, 146.	3.3	3
4	Unbiased plasma proteomics discovery of biomarkers for improved detection of subclinical atherosclerosis. EBioMedicine, 2022, 76, 103874.	6.1	23
5	The Influence of Coronary Artery Disease in the Development of Aortic Stenosis and the Importance of the Albumin Redox State. Antioxidants, 2022, 11, 317.	5.1	6
6	Galectin-1 prevents pathological vascular remodeling in atherosclerosis and abdominal aortic aneurysm. Science Advances, 2022, 8, eabm7322.	10.3	18
7	Defective dimerization of FoF1â€ATP synthase secondary to glycation favors mitochondrial energy deficiency in cardiomyocytes during aging. Aging Cell, 2022, 21, e13564.	6.7	8
8	Mechanical control of nuclear import by Importin-7 is regulated by its dominant cargo YAP. Nature Communications, 2022, 13, 1174.	12.8	32
9	Heteroplasmy of Wild-Type Mitochondrial DNA Variants in Mice Causes Metabolic Heart Disease With Pulmonary Hypertension and Frailty. Circulation, 2022, 145, 1084-1101.	1.6	10
10	Basal oxidation of conserved cysteines modulates cardiac titin stiffness and dynamics. Redox Biology, 2022, 52, 102306.	9.0	7
11	Mapping the Serum Proteome of COVID-19 Patients; Guidance for Severity Assessment. Biomedicines, 2022, 10, 1690.	3.2	7
12	Clinical profile and outcome of cardiac amyloidosis in a Spanish referral center. Revista Espanola De Cardiologia (English Ed), 2021, 74, 149-158.	0.6	10
13	ALDH4A1 is an atherosclerosis auto-antigen targeted by protective antibodies. Nature, 2021, 589, 287-292.	27.8	72
14	Local Pressure Drives Low-Density Lipoprotein Accumulation and Coronary Atherosclerosis in Hypertensive Minipigs. Journal of the American College of Cardiology, 2021, 77, 575-589.	2.8	19
15	Activation of amino acid metabolic program in cardiac HIF1-alpha-deficient mice. IScience, 2021, 24, 102124.	4.1	10
16	Assessing the functional relevance of splice isoforms. NAR Genomics and Bioinformatics, 2021, 3, lqab044.	3.2	13
17	Characterization of HIVâ€1 virusâ€like particles and determination of Gag stoichiometry for different production platforms. Biotechnology and Bioengineering, 2021, 118, 2660-2675.	3.3	16
18	Aortic disease in Marfan syndrome is caused by overactivation of sGC-PRKG signaling by NO. Nature Communications, 2021, 12, 2628.	12.8	28

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19	Early renal and vascular damage within the normoalbuminuria condition. Journal of Hypertension, 2021, 39, 2220-2231.	0.5	7
20	Cardiovascular Risk Stratification Based on Oxidative Stress for Early Detection of Pathology. Antioxidants and Redox Signaling, 2021, 35, 602-617.	5.4	9
21	Aging Induces Hepatic Oxidative Stress and Nuclear Proteomic Remodeling in Liver from Wistar Rats. Antioxidants, 2021, 10, 1535.	5.1	10
22	Malondialdehyde-modified HDL particles elicit a specific IgG response in abdominal aortic aneurysm. Free Radical Biology and Medicine, 2021, 174, 171-181.	2.9	3
23	Cardiovascular Progerin Suppression and Lamin A Restoration Rescue Hutchinson-Gilford Progeria Syndrome. Circulation, 2021, 144, 1777-1794.	1.6	20
24	Generation of a lentiviral vector system to efficiently express bioactive recombinant human prolactin hormones. Molecular and Cellular Endocrinology, 2020, 499, 110605.	3.2	0
25	Targeting L-type amino acid transporter 1 in innate and adaptive T cells efficiently controls skin inflammation. Journal of Allergy and Clinical Immunology, 2020, 145, 199-214.e11.	2.9	47
26	Comprehensive Proteomic Profiling of Pressure Ulcers in Patients with Spinal Cord Injury Identifies a Specific Protein Pattern of Pathology. Advances in Wound Care, 2020, 9, 277-294.	5.1	5
27	Programmed â€˜disarmingâ€™ of the neutrophil proteome reduces the magnitude of inflammation. Nature Immunology, 2020, 21, 135-144.	14.5	180
28	Improved integrative analysis of the thiol redox proteome using filter-aided sample preparation. Journal of Proteomics, 2020, 214, 103624.	2.4	14
29	Bone Marrow Mesenchymal Stem Cells Support Acute Myeloid Leukemia Bioenergetics and Enhance Antioxidant Defense and Escape from Chemotherapy. Cell Metabolism, 2020, 32, 829-843.e9.	16.2	122
30	An analysis of tissue-specific alternative splicing at the protein level. PLoS Computational Biology, 2020, 16, e1008287.	3.2	55
31	Mammalian lipid droplets are innate immune hubs integrating cell metabolism and host defense. Science, 2020, 370, .	12.6	245
32	Identification of common cardiometabolic alterations and deregulated pathways in mouse and pig models of aging. Aging Cell, 2020, 19, e13203.	6.7	10
33	Why Does COVID-19 Affect Patients with Spinal Cord Injury Milder? A Case-Control Study: Results from Two Observational Cohorts. Journal of Personalized Medicine, 2020, 10, 182.	2.5	5
34	A Network of Macrophages Supports Mitochondrial Homeostasis in the Heart. Cell, 2020, 183, 94-109.e23.	28.9	360
35	Molecular Characterization of the Coproduced Extracellular Vesicles in HEK293 during Virus-Like Particle Production. Journal of Proteome Research, 2020, 19, 4516-4532.	3.7	15
36	Caveolin1 and YAP drive mechanically induced mesothelial to mesenchymal transition and fibrosis. Cell Death and Disease, 2020, 11, 647.	6.3	39

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37	A Proteomics Signature of Mild Hypospadias: A Pilot Study. Frontiers in Pediatrics, 2020, 8, 586287.	1.9	2
38	Novel molecular plasma signatures on cardiovascular disease can stratify patients throughout life. Journal of Proteomics, 2020, 222, 103816.	2.4	5
39	The Immunomodulatory Signature of Extracellular Vesicles From Cardiosphere-Derived Cells: A Proteomic and miRNA Profiling. Frontiers in Cell and Developmental Biology, 2020, 8, 321.	3.7	11
40	Functional role of respiratory supercomplexes in mice: SCAF1 relevance and segmentation of the Q _{pool}. Science Advances, 2020, 6, eaba7509.	10.3	68
41	Protein-protein interactions involving enzymes of the mammalian methionine and homocysteine metabolism. Biochimie, 2020, 173, 33-47.	2.6	25
42	Protein Probability Model for High-Throughput Protein Identification by Mass Spectrometry-Based Proteomics. Journal of Proteome Research, 2020, 19, 1285-1297.	3.7	2
43	Multiplexed Quantitative Proteomic Analysis of HEK293 Provides Insights into Molecular Changes Associated with the Cell Density Effect, Transient Transfection, and Virus-Like Particle Production. Journal of Proteome Research, 2020, 19, 1085-1099.	3.7	23
44	Complement C5 Protein as a Marker of Subclinical Atherosclerosis. Journal of the American College of Cardiology, 2020, 75, 1926-1941.	2.8	32
45	Calculation of False Discovery Rate for Peptide and Protein Identification. Methods in Molecular Biology, 2020, 2051, 145-159.	0.9	2
46	ECM deposition is driven by caveolin-1â€“dependent regulation of exosomal biogenesis and cargo sorting. Journal of Cell Biology, 2020, 219, .	5.2	58
47	The chaperonin CCT controls T cell receptorâ€“driven 3D configuration of centrioles. Science Advances, 2020, 6, .	10.3	23
48	Scaf1 promotes respiratory supercomplexes and metabolic efficiency in zebrafish. EMBO Reports, 2020, 21, e50287.	4.5	42
49	Successful aging: insights from proteome analyses of healthy centenarians. Aging, 2020, 12, 3502-3515.	3.1	31
50	Flow Cytometry Has a Significant Impact on the Cellular Metabolome. Journal of Proteome Research, 2019, 18, 169-181.	3.7	66
51	Lamin A/C deficiency in CD4⁺ Tâ€cells enhances regulatory Tâ€cells and prevents inflammatory bowel disease. Journal of Pathology, 2019, 249, 509-522.	4.5	12
52	NOTCH Activation Promotes Valve Formation by Regulating the Endocardial Secretome. Molecular and Cellular Proteomics, 2019, 18, 1782-1795.	3.8	18
53	Interplay between post-translational cyclooxygenase-2 modifications and the metabolic and proteomic profile in a colorectal cancer cohort. World Journal of Gastroenterology, 2019, 25, 433-446.	3.3	16
54	Severe Cardiac Dysfunction and Death Caused by Arrhythmogenic Right Ventricular Cardiomyopathy Type 5 Are Improved by Inhibition of Glycogen Synthase Kinase-3Î². Circulation, 2019, 140, 1188-1204.	1.6	62

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55	Loss of SRSF3 in Cardiomyocytes Leads to Decapping of Contraction-Related mRNAs and Severe Systolic Dysfunction. Circulation Research, 2019, 125, 170-183.	4.5	41
56	Exercise Benefits in Pulmonary Hypertension. Journal of the American College of Cardiology, 2019, 73, 2906-2907.	2.8	5
57	APOA1 oxidation is associated to dysfunctional high-density lipoproteins in human abdominal aortic aneurysm. EBioMedicine, 2019, 43, 43-53.	6.1	40
58	Preparation and characterization of Nephila clavipes tubuliform silk gut. Soft Matter, 2019, 15, 2960-2970.	2.7	9
59	Definition of a cell surface signature for human cardiac progenitor cells after comprehensive comparative transcriptomic and proteomic characterization. Scientific Reports, 2019, 9, 4647.	3.3	17
60	p38Î³ is essential for cell cycle progression and liver tumorigenesis. Nature, 2019, 568, 557-560.	27.8	72
61	Arabidopsis YAF9 histone readers modulate flowering time through NuA4â€complexâ€dependent H4 and H2A.Z histone acetylation at FLC chromatin. New Phytologist, 2019, 222, 1893-1908.	7.3	39
62	Sequential Bone-Marrow Cell Delivery of VEGFA/S1P Improves Vascularization and Limits Adverse Cardiac Remodeling After Myocardial Infarction in Mice. Human Gene Therapy, 2019, 30, 893-905.	2.7	8
63	CIBER-CLAP (CIBERCV Cardioprotection Large Animal Platform): A multicenter preclinical network for testing reproducibility in cardiovascular interventions. Scientific Reports, 2019, 9, 20290.	3.3	15
64	Unraveling the Molecular Signature of Extracellular Vesicles From Endometrial-Derived Mesenchymal Stem Cells: Potential Modulatory Effects and Therapeutic Applications. Frontiers in Bioengineering and Biotechnology, 2019, 7, 431.	4.1	38
65	Extracellular vesicles derived from endometrial human mesenchymal stem cells enhance embryo yield and quality in an aged murine modelâ€. Biology of Reproduction, 2019, 100, 1180-1192.	2.7	44
66	Oxidized Low-Density Lipoprotein Receptor in Lymphocytes Prevents Atherosclerosis and Predicts Subclinical Disease. Circulation, 2019, 139, 243-255.	1.6	36
67	Identification of six cardiovascular risk biomarkers in the young population: A promising tool for early prevention. Atherosclerosis, 2019, 282, 67-74.	0.8	14
68	Ryanodine Receptor Glycation Favors Mitochondrial Damage in the Senescent Heart. Circulation, 2019, 139, 949-964.	1.6	62
69	SanXoT: a modular and versatile package for the quantitative analysis of high-throughput proteomics experiments. Bioinformatics, 2019, 35, 1594-1596.	4.1	59
70	Urine Haptoglobin and Haptoglobin-Related Protein Predict Response to Spironolactone in Patients With Resistant Hypertension. Hypertension, 2019, 73, 794-802.	2.7	6
71	Cardiomyocyte hypertrophy induced by Endonuclease G deficiency requires reactive oxygen radicals accumulation and is inhibitable by the micropeptide humanin. Redox Biology, 2018, 16, 146-156.	9.0	32
72	Activation of Serine One-Carbon Metabolism by Calcineurin AÎ²1 Reduces Myocardial Hypertrophy and Improves Ventricular Function. Journal of the American College of Cardiology, 2018, 71, 654-667.	2.8	45

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73	SQANTI: extensive characterization of long-read transcript sequences for quality control in full-length transcriptome identification and quantification. Genome Research, 2018, 28, 396-411.	5.5	299
74	Muscle molecular adaptations to endurance exercise training are conditioned by glycogen availability: a proteomicsâ€based analysis in the McArdle mouse model. Journal of Physiology, 2018, 596, 1035-1061.	2.9	26
75	Arabidopsis SWC4 Binds DNA and Recruits the SWR1 Complex to Modulate Histone H2A.Z Deposition at Key Regulatory Genes. Molecular Plant, 2018, 11, 815-832.	8.3	60
76	Potential role of new molecular plasma signatures on cardiovascular risk stratification in asymptomatic individuals. Scientific Reports, 2018, 8, 4802.	3.3	8
77	APPRIS 2017: principal isoforms for multiple gene sets. Nucleic Acids Research, 2018, 46, D213-D217.	14.5	134
78	Conditional deletion of Rcan1 predisposes to hypertension-mediated intramural hematoma and subsequent aneurysm and aortic rupture. Nature Communications, 2018, 9, 4795.	12.8	10
79	Caveolin-1 Modulates Mechanotransduction Responses to Substrate Stiffness through Actin-Dependent Control of YAP. Cell Reports, 2018, 25, 1622-1635.e6.	6.4	91
80	Impaired HDL (High-Density Lipoprotein)-Mediated Macrophage Cholesterol Efflux in Patients With Abdominal Aortic Aneurysmâ€"Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 2750-2754.	2.4	13
81	The immunomodulatory activity of extracellular vesicles derived from endometrial mesenchymal stem cells on CD4+ T cells is partially mediated by TGFbeta. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, 2088-2098.	2.7	58
82	Loose ends: almost one in five human genes still have unresolved coding status. Nucleic Acids Research, 2018, 46, 7070-7084.	14.5	62
83	The cristae modulator Optic atrophy 1 requires mitochondrial ATP synthase oligomers to safeguard mitochondrial function. Nature Communications, 2018, 9, 3399.	12.8	111
84	Identification of hepatic protein-protein interaction targets for betaine homocysteine S-methyltransferase. PLoS ONE, 2018, 13, e0199472.	2.5	4
85	Comprehensive Quantification of the Modified Proteome Reveals Oxidative Heart Damage in Mitochondrial Heteroplasmy. Cell Reports, 2018, 23, 3685-3697.e4.	6.4	39
86	Differential proteomic and oxidative profiles unveil dysfunctional protein import to adipocyte mitochondria in obesity-associated aging and diabetes. Redox Biology, 2017, 11, 415-428.	9.0	40
87	miR-28 regulates the germinal center reaction and blocks tumor growth in preclinical models of non-Hodgkin lymphoma. Blood, 2017, 129, 2408-2419.	1.4	52
88	Proteomic footprint of myocardial ischemia/reperfusion injury: Longitudinal study of the at-risk and remote regions in the pig model. Scientific Reports, 2017, 7, 12343.	3.3	37
89	CXCL6 is an important paracrine factor in the pro-angiogenic human cardiac progenitor-like cell secretome. Scientific Reports, 2017, 7, 12490.	3.3	39
90	Immune system deregulation in hypertensive patients chronically RAS suppressed developing albuminuria. Scientific Reports, 2017, 7, 8894.	3.3	13

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91	A multicentric study to evaluate the use of relative retention times in targeted proteomics. Journal of Proteomics, 2017, 152, 138-149.	2.4	9
92	HDAC6 controls innate immune and autophagy responses to TLR-mediated signalling by the intracellular bacteria Listeria monocytogenes. PLoS Pathogens, 2017, 13, e1006799.	4.7	38
93	eNOS S-nitrosylates Î²-actin on Cys374 and regulates PKC-Î¸ at the immune synapse by impairing actin binding to profilin-1. PLoS Biology, 2017, 15, e2000653.	5.6	25
94	The Application of Proteomic Techniques in the Study of HDL Particle Characterization and Biomarker Discovery. , 2017, , 231-255.		0
95	ISG15 governs mitochondrial function in macrophages following vaccinia virus infection. PLoS Pathogens, 2017, 13, e1006651.	4.7	75
96	Kalirin and CHD7: novel endothelial dysfunction indicators in circulating extracellular vesicles from hypertensive patients with albuminuria. Oncotarget, 2017, 8, 15553-15562.	1.8	20
97	Urinary exosomes reveal protein signatures in hypertensive patients with albuminuria. Oncotarget, 2017, 8, 44217-44231.	1.8	33
98	The intracellular bacterium Anaplasma phagocytophilum selectively manipulates the levels of vertebrate host proteins in the tick vector Ixodes scapularis. Parasites and Vectors, 2016, 9, 467.	2.5	33
99	CD69 controls the uptake of L-tryptophan through LAT1-CD98 and AhR-dependent secretion of IL-22 in psoriasis. Nature Immunology, 2016, 17, 985-996.	14.5	98
100	Mitochondrial and nuclear DNA matching shapes metabolism and healthy ageing. Nature, 2016, 535, 561-565.	27.8	333
101	Quantitative HDL Proteomics Identifies Peroxiredoxin-6 as a Biomarker of Human Abdominal Aortic Aneurysm. Scientific Reports, 2016, 6, 38477.	3.3	29
102	Optic Atrophy 1 Is Epistatic to the Core MICOS Component MIC60 in Mitochondrial Cristae Shape Control. Cell Reports, 2016, 17, 3024-3034.	6.4	127
103	Aurora A drives early signalling and vesicle dynamics during T-cell activation. Nature Communications, 2016, 7, 11389.	12.8	53
104	The CoQH2/CoQ Ratio Serves as a Sensor of Respiratory Chain Efficiency. Cell Reports, 2016, 15, 197-209.	6.4	215
105	The apparent variability of silkworm (Bombyx mori) silk and its relationship with degumming. European Polymer Journal, 2016, 78, 129-140.	5.4	33
106	Dissecting the proteome dynamics of the early heat stress response leading to plant survival or death in Arabidopsis. Plant, Cell and Environment, 2016, 39, 1264-1278.	5.7	94
107	A Single In-Vial Dual Extraction Strategy for the Simultaneous Lipidomics and Proteomics Analysis of HDL and LDL Fractions. Journal of Proteome Research, 2016, 15, 1762-1775.	3.7	35
108	Arabidopsis DNA polymerase Ïµ recruits components of Polycomb repressor complex to mediate epigenetic gene silencing. Nucleic Acids Research, 2016, 44, 5597-5614.	14.5	34

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109	Hypothesis Driven versus Hypothesis-free: Filling the Gaps in CoQ Biosynthesis. Cell Metabolism, 2016, 24, 525-526.	16.2	2
110	Vascular Proteomics. , 2016, , 105-122.		0
111	Proteome-wide alterations on adipose tissue from obese patients as age-, diabetes- and gender-specific hallmarks. Scientific Reports, 2016, 6, 25756.	3.3	61
112	Mechanism of super-assembly of respiratory complexes III and IV. Nature, 2016, 539, 579-582.	27.8	157
113	Interplay between hepatic mitochondria-associated membranes, lipid metabolism and caveolin-1 in mice. Scientific Reports, 2016, 6, 27351.	3.3	131
114	Plasma Molecular Signatures in Hypertensive Patients With Reninâ€“Angiotensin System Suppression. Hypertension, 2016, 68, 157-166.	2.7	18
115	MMP-25 Metalloprotease Regulates Innate Immune Response through NF-ÎºB Signaling. Journal of Immunology, 2016, 197, 296-302.	0.8	34
116	¹⁸O proteomics reveal increased human apolipoprotein CIII in Hispanic HIVâ€1+ women with HAART that use cocaine. Proteomics - Clinical Applications, 2016, 10, 144-155.	1.6	4
117	p38Î³ and Î´ promote heart hypertrophy by targeting the mTOR-inhibitory protein DEPTOR for degradation. Nature Communications, 2016, 7, 10477.	12.8	68
118	The Quest for Metabolic Biomarkers ofÂPulmonary Hypertension â^—. Journal of the American College of Cardiology, 2016, 67, 190-192.	2.8	3
119	New proteinâ€“protein interactions of mitochondrial connexin 43 in mouse heart. Journal of Cellular and Molecular Medicine, 2016, 20, 794-803.	3.6	49
120	HDAC6 regulates the dynamics of lytic granules in cytotoxic T lymphocytes. Journal of Cell Science, 2016, 129, 1305-1311.	2.0	29
121	Genomic insights into the Ixodes scapularis tick vector of Lyme disease. Nature Communications, 2016, 7, 10507.	12.8	450
122	A Novel Systems-Biology Algorithm for the Analysis of Coordinated Protein Responses Using Quantitative Proteomics. Molecular and Cellular Proteomics, 2016, 15, 1740-1760.	3.8	86
123	Loss of the proteostasis factor AIRAPL causes myeloid transformation by deregulating IGF-1 signaling. Nature Medicine, 2016, 22, 91-96.	30.7	37
124	Quantitative proteomics reveals Piccolo as a candidate serological correlate of recovery from Guillain-BarrÃ© syndrome. Oncotarget, 2016, 7, 74582-74591.	1.8	5
125	Altered FoF1 ATP synthase and susceptibility to mitochondrial permeability transition pore during ischaemia and reperfusion in aging cardiomyocytes. Thrombosis and Haemostasis, 2015, 113, 441-451.	3.4	46
126	White matter injury restoration after stem cell administration in subcortical ischemic stroke. Stem Cell Research and Therapy, 2015, 6, 121.	5.5	52

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127	Alternatively Spliced Homologous Exons Have Ancient Origins and Are Highly Expressed at the Protein Level. PLoS Computational Biology, 2015, 11, e1004325.	3.2	80
128	Identification and Characterization of Anaplasma phagocytophilum Proteins Involved in Infection of the Tick Vector, Ixodes scapularis. PLoS ONE, 2015, 10, e0137237.	2.5	31
129	ApoA-I/HDL-C levels are inversely associated with abdominal aortic aneurysm progression. Thrombosis and Haemostasis, 2015, 113, 1335-1346.	3.4	41
130	Unexpected behavior of irradiated spider silk links conformational freedom to mechanical performance. Soft Matter, 2015, 11, 4868-4878.	2.7	17
131	Caveolinâ€1 deficiency induces a <scp>MEK</scp>â€<scp>ERK</scp>1/2â€Snailâ€1â€dependent epithelialâ€“mesenchymal transition and fibrosis during peritoneal dialysis. EMBO Molecular Medicine, 2015, 7, 102-123.	6.9	79
132	Exploring analytical proteomics platforms toward the definition of human cardiac stem cells receptome. Proteomics, 2015, 15, 1332-1337.	2.2	14
133	Deficiency of MMP17/MT4-MMP Proteolytic Activity Predisposes to Aortic Aneurysm in Mice. Circulation Research, 2015, 117, e13-26.	4.5	53
134	Systems Biology of Tissue-Specific Response to Anaplasma phagocytophilum Reveals Differentiated Apoptosis in the Tick Vector Ixodes scapularis. PLoS Genetics, 2015, 11, e1005120.	3.5	139
135	Most Highly Expressed Protein-Coding Genes Have a Single Dominant Isoform. Journal of Proteome Research, 2015, 14, 1880-1887.	3.7	106
136	The potential clinical impact of the release of two drafts of the human proteome. Expert Review of Proteomics, 2015, 12, 579-593.	3.0	26
137	NOX4-dependent Hydrogen peroxide promotes shear stress-induced SHP2 sulfenylation and eNOS activation. Free Radical Biology and Medicine, 2015, 89, 419-430.	2.9	35
138	Revisiting Peptide Identification by High-Accuracy Mass Spectrometry: Problems Associated with the Use of Narrow Mass Precursor Windows. Journal of Proteome Research, 2015, 14, 700-710.	3.7	65
139	Executioner Caspase-3 and 7 Deficiency Reduces Myocyte Number in the Developing Mouse Heart. PLoS ONE, 2015, 10, e0131411.	2.5	38
140	Phosphatidylcholineâ€Coated Iron Oxide Nanomicelles for In Vivo Prolonged Circulation Time with an Antibiofouling Protein Corona. Chemistry - A European Journal, 2014, 20, 16662-16671.	3.3	26
141	Defective sarcoplasmic reticulumâ€“mitochondria calcium exchange in aged mouse myocardium. Cell Death and Disease, 2014, 5, e1573-e1573.	6.3	85
142	Mesenchymal stem cellâ€coated sutures enhance collagen depositions in sutured tissues. Wound Repair and Regeneration, 2014, 22, 256-264.	3.0	19
143	The Leukocyte Activation Receptor CD69 Controls T Cell Differentiation through Its Interaction with Galectin-1. Molecular and Cellular Biology, 2014, 34, 2479-2487.	2.3	79
144	The human HDL proteome displays high inter-individual variability and is altered dynamically in response to angioplasty-induced atheroma plaque rupture. Journal of Proteomics, 2014, 106, 61-73.	2.4	30

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145	General Statistical Framework for Quantitative Proteomics by Stable Isotope Labeling. Journal of Proteome Research, 2014, 13, 1234-1247.	3.7	165
146	Analyzing the First Drafts of the Human Proteome. Journal of Proteome Research, 2014, 13, 3854-3855.	3.7	101
147	ATP-Dependent Lon Protease Controls Tumor Bioenergetics by Reprogramming Mitochondrial Activity. Cell Reports, 2014, 8, 542-556.	6.4	186
148	Multiple evidence strands suggest that there may be as few as 19 000 human protein-coding genes. Human Molecular Genetics, 2014, 23, 5866-5878.	2.9	463
149	Ischemic preconditioning protects cardiomyocyte mitochondria through mechanisms independent of cytosol. Journal of Molecular and Cellular Cardiology, 2014, 68, 79-88.	1.9	58
150	Proteomic changes in HEK-293 cells induced by hepatitis delta virus replication. Journal of Proteomics, 2013, 89, 24-38.	2.4	20
151	Na+/K+-ATPase Is a New Interacting Partner for the Neuronal Glycine Transporter GlyT2 That Downregulates Its Expression In Vitro and In Vivo. Journal of Neuroscience, 2013, 33, 14269-14281.	3.6	35
152	Sumoylated hnRNPA2B1 controls the sorting of miRNAs into exosomes through binding to specific motifs. Nature Communications, 2013, 4, 2980.	12.8	1,522
153	Self-Renewing Human Bone Marrow Mesenspheres Promote Hematopoietic Stem Cell Expansion. Cell Reports, 2013, 3, 1714-1724.	6.4	128
154	Quantitative Proteomics Analysis of High-Density Lipoproteins by Stable 18O-Isotope Labeling. Methods in Molecular Biology, 2013, 1000, 139-156.	0.9	6
155	The Intracellular Interactome of Tetraspanin-enriched Microdomains Reveals Their Function as Sorting Machineries toward Exosomes. Journal of Biological Chemistry, 2013, 288, 11649-11661.	3.4	377
156	CD81 regulates cell migration through its association with Rac GTPase. Molecular Biology of the Cell, 2013, 24, 261-273.	2.1	64
157	Anaplasma phagocytophilum Inhibits Apoptosis and Promotes Cytoskeleton Rearrangement for Infection of Tick Cells. Infection and Immunity, 2013, 81, 2415-2425.	2.2	99
158	Vesiclepedia: A Compendium for Extracellular Vesicles with Continuous Community Annotation. PLoS Biology, 2012, 10, e1001450.	5.6	1,064
159	A Novel Strategy for Global Analysis of the Dynamic Thiol Redox Proteome. Molecular and Cellular Proteomics, 2012, 11, 800-813.	3.8	65
160	Application of iTRAQ Reagents to Relatively Quantify the Reversible Redox State of Cysteine Residues. International Journal of Proteomics, 2012, 2012, 1-9.	2.0	17
161	Characterization of the tick-pathogen interface by quantitative proteomics. Ticks and Tick-borne Diseases, 2012, 3, 154-158.	2.7	14
162	Beneficial effects of omega-3 fatty acids in the proteome of high-density lipoprotein proteome. Lipids in Health and Disease, 2012, 11, 116.	3.0	41

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163	EWI-2 Association with Î±-Actinin Regulates T Cell Immune Synapses and HIV Viral Infection. Journal of Immunology, 2012, 189, 689-700.	0.8	44
164	Fast Monitoring of Species-Specific Peptide Biomarkers Using High-Intensity-Focused-Ultrasound-Assisted Tryptic Digestion and Selected MS/MS Ion Monitoring. Analytical Chemistry, 2011, 83, 5688-5695.	6.5	81
165	Quantitative in-depth analysis of the dynamic secretome of activated Jurkat T-cells. Journal of Proteomics, 2011, 75, 561-571.	2.4	16
166	Quantitative proteomics by 2â€Ð, ¹⁶O/¹⁸O labelling and linear ion trap mass spectrometry analysis of lymph nodes from piglets inoculated by porcine circovirus type 2. Proteomics, 2011, 11, 3452-3469.	2.2	22
167	The metalloprotease ADAM8 is associated with and regulates the function of the adhesion receptor PSGLâ€1 through ERM proteins. European Journal of Immunology, 2011, 41, 3436-3442.	2.9	36
168	A Robust Method for Quantitative High-throughput Analysis of Proteomes by 18O Labeling. Molecular and Cellular Proteomics, 2011, 10, M110.003335.	3.8	95
169	Application of highly sensitive saturation labeling to the analysis of differential protein expression in infected ticks from limited samples. Proteome Science, 2010, 8, 43.	1.7	27
170	F-actin-binding protein drebrin regulates CXCR4 recruitment to the immune synapse. Journal of Cell Science, 2010, 123, 1160-1170.	2.0	54
171	Expression of Heat Shock and Other Stress Response Proteins in Ticks and Cultured Tick Cells in Response toAnaplasmaspp. Infection and Heat Shock. International Journal of Proteomics, 2010, 2010, 1-11.	2.0	55
172	Cyclosporine A-induced nitration of tyrosine 34 MnSOD in endothelial cells: role of mitochondrial superoxide. Cardiovascular Research, 2010, 87, 356-365.	3.8	61
173	Extensive De Novo Sequencing of New Parvalbumin Isoforms Using a Novel Combination of Bottom-Up Proteomics, Accurate Molecular Mass Measurement by FTICRâ^'MS, and Selected MS/MS Ion Monitoring. Journal of Proteome Research, 2010, 9, 4393-4406.	3.7	60
174	Statistical Model to Analyze Quantitative Proteomics Data Obtained by 18O/16O Labeling and Linear Ion Trap Mass Spectrometry. Molecular and Cellular Proteomics, 2009, 8, 1130-1149.	3.8	76
175	Connexin43 in cardiomyocyte mitochondria contributes to mitochondrial potassium uptake. Cardiovascular Research, 2009, 83, 747-756.	3.8	124
176	A Refined Method To Calculate False Discovery Rates for Peptide Identification Using Decoy Databases. Journal of Proteome Research, 2009, 8, 1792-1796.	3.7	161
177	Properties of Average Score Distributions of SEQUEST. Molecular and Cellular Proteomics, 2008, 7, 1135-1145.	3.8	142
178	MTOC translocation modulates IS formation and controls sustained T cell signaling. Journal of Cell Biology, 2008, 182, 951-962.	5.2	165
179	Improved Method for Differential Expression Proteomics Using Trypsin-catalyzed 18O Labeling with a Correction for Labeling Efficiency. Molecular and Cellular Proteomics, 2007, 6, 1274-1286.	3.8	78
180	De Novo Mass Spectrometry Sequencing and Characterization of Species-Specific Peptides from Nucleoside Diphosphate Kinase B for the Classification of Commercial Fish Species Belonging to the Family Merlucciidae. Journal of Proteome Research, 2007, 6, 3070-3080.	3.7	74

#	Article	IF	Citations
181	Highâ€sensitivity analysis of specific peptides in complex samples by selected MS/MS ion monitoring and linear ion trap mass spectrometry: Application to biological studies. Journal of Mass Spectrometry, 2007, 42, 1391-1403.	1.6	68
182	Proteomic and transcriptomic analyses of differential stress/inflammatory responses in mandibular lymph nodes and oropharyngeal tonsils of European wild boars naturally infected withMycobacterium bovis. Proteomics, 2007, 7, 220-231.	2.2	48
183	Quantitative proteomics using 16O/18O labeling and linear ion trap mass spectrometry. Proteomics, 2006, 6, S4-S11.	2.2	57
184	Systematic characterization of phosphorylation sites in NFATc2 by linear ion trap mass spectrometry. Proteomics, 2006, 6, S16-S27.	2.2	15
185	Identification of commercial hake and grenadier species by proteomic analysis of the parvalbumin fraction. Proteomics, 2006, 6, 5278-5287.	2.2	90
186	Sample treatment for protein identification by mass spectrometry-based techniques. TrAC - Trends in Analytical Chemistry, 2006, 25, 996-1005.	11.4	57
187	Production, partial characterization and mass spectrometric studies of the extracellular laccase activity from Fusarium proliferatum. Applied Microbiology and Biotechnology, 2006, 70, 212-221.	3.6	27
188	Blockade of NFAT Activation by the Second Calcineurin Binding Site. Journal of Biological Chemistry, 2006, 281, 6227-6235.	3.4	62
189	Characterization of natural peptide ligands from HLA-DP2: new insights into HLA-DP peptide-binding motifs. Immunogenetics, 2005, 56, 754-759.	2.4	27
190	c-Jun N-terminal Kinase (JNK) Positively Regulates NFATc2 Transactivation through Phosphorylation within the N-terminal Regulatory Domain. Journal of Biological Chemistry, 2005, 280, 20867-20878.	3.4	59
191	S-nitrosylation of Hsp90 promotes the inhibition of its ATPase and endothelial nitric oxide synthase regulatory activities. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 8525-8530.	7.1	294
192	Ultra Fast Trypsin Digestion of Proteins by High Intensity Focused Ultrasound. Journal of Proteome Research, 2005, 4, 1569-1574.	3.7	155
193	Association of adenylate cyclase with an actin-like protein in the human myometrium. Gynecological Endocrinology, 2004, 18, 89-96.	1.7	0
194	Statistical Model for Large-Scale Peptide Identification in Databases from Tandem Mass Spectra Using SEQUEST. Analytical Chemistry, 2004, 76, 6853-6860.	6.5	101
195	Peptide Rearrangement during Quadrupole Ion Trap Fragmentation:Â Added Complexity to MS/MS Spectra. Analytical Chemistry, 2003, 75, 1524-1535.	6.5	101
196	Proteomics as a Tool for the Investigation of Seafood and Other Marine Products. Journal of Proteome Research, 2003, 2, 127-135.	3.7	92
197	Reconstitution of Holin Activity with a Synthetic Peptide Containing the 1â€“32 Sequence Region of EJh, the EJ-1 Phage Holin. Journal of Biological Chemistry, 2003, 278, 3929-3936.	3.4	13
198	Specific interaction of heterogeneous nuclear ribonucleoprotein A1 with the -219T allelic form modulates APOE promoter activity. Nucleic Acids Research, 2003, 31, 3063-3070.	14.5	37

#	Article	IF	Citations
199	Transcriptional activation by AP-2alpha is modulated by the oncogene DEK. Nucleic Acids Research, 2003, 31, 1571-1575.	14.5	70
200	Cutting Edge: Association of the Motor Protein Nonmuscle Myosin Heavy Chain-IIA with the C Terminus of the Chemokine Receptor CXCR4 in T Lymphocytes. Journal of Immunology, 2002, 169, 5410-5414.	0.8	53
201	Differential Association of HLA-B*2705 and B*2709 to Ankylosing Spondylitis Correlates with Limited Peptide Subsets but Not with Altered Cell Surface Stability. Journal of Biological Chemistry, 2002, 277, 28749-28756.	3.4	77
202	The Peptide Repertoires of HLA-B27 Subtypes Differentially Associated to Spondyloarthropathy (B*2704) Tj ETQq0 0 0 rgBT /Overlock 1 2002, 277, 16744-16749.	3.4	66
203	The Phosphorylation State of Threonine-220, a Uniquely Phosphatase-Sensitive Protein Kinase A Site in Microtubule-Associated Protein MAP2c, Regulates Microtubule Binding and Stabilityâ€. Biochemistry, 2002, 41, 12427-12435.	2.5	21
204	Growth, mortality, pathological conditions and protein expression of Mytilus edulis and M. galloprovincialis crosses cultured in the RÄ±Ìa de Arousa (NW of Spain). Aquaculture, 2002, 213, 233-251.	3.5	52
205	ITAM-Based Interaction of ERM Proteins with Syk Mediates Signaling by the Leukocyte Adhesion Receptor PSGL-1. Immunity, 2002, 17, 401-412.	14.3	200
206	P24, a glycogen synthase kinase 3 (GSK 3) inhibitor. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2002, 1586, 113-122.	3.8	27
207	Application of proteomics for fast identification of species-specific peptides from marine species. Proteomics, 2002, 2, 1658-1665.	2.2	70
208	A proteomic approach to the study of the marine mussels Mytilus edulis and M . galloprovincialis. Marine Biology, 2002, 141, 217-223.	1.5	66
209	Trypanosoma cruzi mitochondrial malate dehydrogenase triggers polyclonal B-cell activation. Clinical and Experimental Immunology, 2002, 127, 27-36.	2.6	27
210	Direct Visualization by Confocal Fluorescent Microscopy of the Permeation of Myristoylated Peptides Through the Cell Membrane. IUBMB Life, 2002, 54, 33-36.	3.4	14
211	Glutathionylation of the p50 Subunit of NF-Î°B:â€‰ a Mechanism for Redox-Induced Inhibition of DNA Binding. Biochemistry, 2001, 40, 14134-14142.	2.5	366
212	Characterization and partial sequencing of species-specific sarcoplasmic polypeptides from commercial hake species by mass spectrometry following two-dimensional electrophoresis. Electrophoresis, 2001, 22, 1545-1552.	2.4	96
213	Major Histocompatibility Complex Class I Molecules Bind Natural Peptide Ligands Lacking the Amino-terminal Binding Residue in Vivo. Journal of Biological Chemistry, 2001, 276, 43699-43707.	3.4	11
214	The Cys-67 Residue of HLA-B27 Influences Cell Surface Stability, Peptide Specificity, and T-cell Antigen Presentation. Journal of Biological Chemistry, 2001, 276, 48740-48747.	3.4	38
215	Two-dimensional gel electrophoresis of Mytilus galloprovincialis differences in protein expression between intertidal and cultured mussels. Marine Ecology - Progress Series, 2001, 224, 149-156.	1.9	51
216	Identification of phosphorylation sites in proteins by nanospray quadrupole ion trap mass spectrometry. , 2000, 35, 556-565.		30

#	Article	IF	Citations
217	Peptide specificity of the Amerindian B*3905 allotype: molecular insight into selection mechanisms driving HLA class I evolution in indigenous populations of the Americas. Tissue Antigens, 2000, 56, 385-391.	1.0	9
218	Differential effects of the tricyclic antidepressant amoxapine on glycine uptake mediated by the recombinant GLYT1 and GLYT2 glycine transporters. British Journal of Pharmacology, 2000, 129, 200-206.	5.4	52
219	A postâ€translational modification of nuclear proteins, N^G,N^Gâ€dimethylâ€Arg, found in a natural HLA class I peptide ligand. Protein Science, 2000, 9, 2210-2217.	7.6	24
220	An N-Acetylated Natural Ligand of Human Histocompatibility Leukocyte Antigen (Hla)-B39. Journal of Experimental Medicine, 2000, 191, 2083-2092.	8.5	22
221	Limited Diversity of Peptides Related to an Alloreactive T Cell Epitope in the HLA-B27-Bound Peptide Repertoire Results from Restrictions at Multiple Steps Along the Processing-Loading Pathway. Journal of Immunology, 2000, 164, 329-337.	0.8	40
222	Identification of amino acid residues of transcription factor AP-2 involved in DNA binding 1 1Edited by M. Yaniv. Journal of Molecular Biology, 2000, 301, 807-816.	4.2	20
223	The South Amerindian allotype HLA-B*3909 has the largest known similarity in peptide specificity and common natural ligands with HLA-B27. Tissue Antigens, 1999, 53, 227-236.	1.0	14
224	Evidence of saxitoxin derivatives as causative agents in the 1997 mass mortality of monk seals in the Cape Blanc Peninsula. Natural Toxins, 1999, 7, 311-315.	1.0	39
225	High-sensitivity analysis and sequencing of peptides and proteins by quadrupole ion trap mass spectrometry. Journal of Mass Spectrometry, 1999, 34, 17-27.	1.6	58
226	Transcription factor AP-2 activity is modulated by protein kinase A-mediated phosphorylation. FEBS Letters, 1999, 444, 27-31.	2.8	62
227	High-sensitivity analysis and sequencing of peptides and proteins by quadrupole ion trap mass spectrometry. Journal of Mass Spectrometry, 1999, 34, 17.	1.6	2
228	A single amino acid change makes the peptide specificity of B*3910 unrelated to B*3901 and closer to a group of HLAâ€B proteins including the malariaâ€protecting allotype HLAâ€B53. Tissue Antigens, 1998, 52, 416-421.	1.0	21
229	A polymorphism in the regulatory region of APOE associated with risk for Alzheimer's dementia. Nature Genetics, 1998, 18, 69-71.	21.4	291
230	Allelic polymorphisms in the transcriptional regulatory region of apolipoprotein E gene. FEBS Letters, 1998, 421, 105-108.	2.8	213
231	Engineered Peptides Corresponding to Segments of the H3 Domain of Syntaxin Inhibit Insulin Release both in Intact and Permeabilized Mouse Pancreatic Î² Cells. Biochemical and Biophysical Research Communications, 1998, 248, 83-86.	2.1	3
232	Risk for Alzheimer's disease correlates with transcriptional activity of the APOE gene. Human Molecular Genetics, 1998, 7, 1887-1892.	2.9	135
233	The same natural ligand is involved in allorecognition of multiple HLA-B27 subtypes by a single T cell clone: role of peptide and the MHC molecule in alloreactivity. Journal of Immunology, 1998, 161, 5481-90.	0.8	53
234	Purification and characterization of paraoxon hydrolase from rat liver. Biochemical Journal, 1997, 321, 595-601.	3.7	54

#	Article	IF	Citations
235	Apolipoprotein E forms stable complexes with recombinant Alzheimer's disease Î²-amyloid precursor protein. Biochemical Journal, 1997, 325, 169-175.	3.7	27
236	Anti-brain spectrin immunoreactivity in Alzheimer's disease: degradation of spectrin in an animal model of cholinergic degeneration. Journal of Neuroimmunology, 1997, 77, 91-98.	2.3	17
237	Proteolysis of Alzheimer's disease Î²-amyloid precursor protein by factor Xa. BBA - Proteins and Proteomics, 1997, 1343, 85-94.	2.1	9
238	Antibodies to human brain spectrin in Alzheimer's disease. Journal of Neuroimmunology, 1996, 68, 39-44.	2.3	18
239	Transcription Factor AP-2 Regulates Human Apolipoprotein E Gene Expression in Astrocytoma Cells. Journal of Neuroscience, 1996, 16, 7550-7556.	3.6	60
240	Inhibition of insulin release by synthetic peptides shows that the H3 region at the C-terminal domain of syntaxin-1 is crucial for Ca2+- but not for guanosine 5â€²-[Î³-thio]triphosphate-induced secretion. Biochemical Journal, 1996, 320, 201-205.	3.7	40
241	Location of an epitope shared by Alzheimer's amyloid peptide and brain creatine kinase using a newly developed monoclonal antibody. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1995, 1270, 149-156.	3.8	2
242	Hydrodynamic properties and immunological identification of the sodium- and chloride-coupled glycine transporter. Journal of Biological Chemistry, 1993, 268, 2239-43.	3.4	25
243	Sensitive procedures for measuring chloride fluxes mediated by the purified glycine receptor incorporated into phospholipid vesicles. Neuroscience Letters, 1992, 136, 102-104.	2.1	7
244	Characterization of the solubilized charybdotoxin receptor from bovine aortic smooth muscle. Biochemistry, 1991, 30, 11157-11164.	2.5	26
245	Sulfhydryl Groups Modulate the Allosteric Interaction Between Glycine Binding Sites at the Inhibitory Glycine Receptor. Journal of Neurochemistry, 1991, 56, 1690-1697.	3.9	14
246	Use of toxins to study potassium channels. Journal of Bioenergetics and Biomembranes, 1991, 23, 615-646.	2.3	184
247	Purification of the sodium- and chloride-coupled glycine transporter from central nervous system. Journal of Biological Chemistry, 1991, 266, 24809-14.	3.4	42
248	Characterization of high affinity binding sites for charybdotoxin in synaptic plasma membranes from rat brain. Evidence for a direct association with an inactivating, voltage-dependent, potassium channel. Journal of Biological Chemistry, 1990, 265, 15564-71.	3.4	60
249	Thermodynamics of Agonist and Antagonist Interaction with the Strychnine-Sensitive Glycine Receptor. Journal of Neurochemistry, 1989, 52, 1775-1780.	3.9	44
250	Functional reconstitution of the glycine receptor. Biochemistry, 1989, 28, 6405-6409.	2.5	27
251	Interaction of Bilirubin with Gangliosides1. Journal of Biochemistry, 1989, 106, 139-142.	1.7	6
252	Characterization of high affinity binding sites for charybdotoxin in sarcolemmal membranes from bovine aortic smooth muscle. Evidence for a direct association with the high conductance calcium-activated potassium channel. Journal of Biological Chemistry, 1989, 264, 20902-9.	3.4	53

#	Article	IF	Citations
253	Interaction of bilirubin with the synaptosomal plasma membrane. Journal of Biological Chemistry, 1988, 263, 1255-65.	3.4	58
254	The glycine receptor: pharmacological studies and mathematical modeling of the allosteric interaction between the glycine- and strychnine-binding sites. Molecular Pharmacology, 1986, 30, 590-7.	2.3	75
255	Activation and inhibition of 3H-strychnine binding to the glycine receptor by Eccles' anions: modulatory effects of cations. Molecular Pharmacology, 1986, 30, 598-602.	2.3	13