Jennifer E Van Eyk

List of Publications by Year
in descending order

176 papers	9,200 citations	53751 45 h-index	53190 85 g-index
188 all docs	188 docs citations	188 times ranked	17549 citing authors

#	Article	IF	Citations
1	How many human proteoforms are there?. Nature Chemical Biology, 2018, 14, 206-214.	3.9	580
2	Genome-wide Analyses Identify KIF5A as a Novel ALS Gene. Neuron, 2018, 97, 1268-1283.e6.	3.8	517
3	Antibody responses to the BNT162b2 mRNA vaccine in individuals previously infected with SARS-CoV-2. Nature Medicine, 2021, 27, 981-984.	15.2	504
4	Human iPSC-Derived Blood-Brain Barrier Chips Enable Disease Modeling and Personalized Medicine Applications. Cell Stem Cell, 2019, 24, 995-1005.e6.	5.2	378
5	Guidelines for experimental models of myocardial ischemia and infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H812-H838.	1.5	372
6	A Mass Spectrometric-Derived Cell Surface Protein Atlas. PLoS ONE, 2015, 10, e0121314.	1.1	356
7	The Library of Integrated Network-Based Cellular Signatures NIH Program: System-Level Cataloging of Human Cells Response to Perturbations. Cell Systems, 2018, 6, 13-24.	2.9	327
8	Phosphodiesterase 9A controls nitric-oxide-independent cGMP and hypertrophic heart disease. Nature, 2015, 519, 472-476.	13.7	274
9	Metabolomic Identification of Subtypes of Nonalcoholic Steatohepatitis. Gastroenterology, 2017, 152, 1449-1461.e7.	0.6	209
10	Recommendations for the Generation, Quantification, Storage, and Handling of Peptides Used for Mass Spectrometryâ€“Based Assays. Clinical Chemistry, 2016, 62, 48-69.	1.5	187
11	Modeling Psychomotor Retardation using iPSCs from MCT8-Deficient Patients Indicates a Prominent Role for the Blood-Brain Barrier. Cell Stem Cell, 2017, 20, 831-843.e5.	5.2	181
12	Investigation of an albumin-enriched fraction of human serum and its albuminome. Proteomics - Clinical Applications, 2007, 1, 73-88.	0.8	165
13	Human Proteome Project Mass Spectrometry Data Interpretation Guidelines 2.1. Journal of Proteome Research, 2016, 15, 3961-3970.	1.8	158
14	A high-stringency blueprint of the human proteome. Nature Communications, 2020, 11, 5301.	5.8	152
15	HLA class Iâ€“associated expansion of TRBV11-2 T cells in multisystem inflammatory syndrome in children. Journal of Clinical Investigation, 2021, 131, .	3.9	130
16	Pre-existing traits associated with Covid-19 illness severity. PLoS ONE, 2020, 15, e0236240.	1.1	129
17	Circulating Brain-Derived Neurotrophic Factor Has Diagnostic and Prognostic Value in Traumatic Brain Injury. Journal of Neurotrauma, 2016, 33, 215-225.	1.7	118
18	Local Joint Inflammation and Histone Citrullination in a Murine Model of the Transition From Preclinical Autoimmunity to Inflammatory Arthritis. Arthritis and Rheumatology, 2015, 67, 2877-2887.	2.9	111

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19	BCG vaccination history associates with decreased SARS-CoV-2 seroprevalence across a diverse cohort of health care workers. Journal of Clinical Investigation, 2021, 131, .	3.9	108
20	A robust, streamlined, and reproducible method for proteomic analysis of serum by delipidation, albumin and IgG depletion, and two-dimensional gel electrophoresis. Proteomics, 2005, 5, 2656-2664.	1.3	104
21	The autoimmune signature of hyperinflammatory multisystem inflammatory syndrome in children. Journal of Clinical Investigation, 2021, 131, .	3.9	103
22	The Biology/Disease-driven Human Proteome Project (B/D-HPP): Enabling Protein Research for the Life Sciences Community. Journal of Proteome Research, 2013, 12, 23-27.	1.8	100
23	Proteomic Architecture of Human Coronary and Aortic Atherosclerosis. Circulation, 2018, 137, 2741-2756.	1.6	100
24	Multidimensional Liquid Chromatography Separation of Intact Proteins by Chromatographic Focusing and Reversed Phase of the Human Serum Proteome. Molecular and Cellular Proteomics, 2006, 5, 26-34.	2.5	98
25	PKG1-modified TSC2 regulates mTORC1 activity to counter adverse cardiac stress. Nature, 2019, 566, 264-269.	13.7	98
26	Effective removal of albumin from serum. Proteomics, 2005, 5, 3831-3835.	1.3	97
27	Lipid-induced NOX2 activation inhibits autophagic flux by impairing lysosomal enzyme activity. Journal of Lipid Research, 2015, 56, 546-561.	2.0	94
28	A deleterious gene-by-environment interaction imposed by calcium channel blockers in Marfan syndrome. ELife, 2015, 4, .	2.8	87
29	Expanding the Subproteome of the Inner Mitochondria Using Protein Separation Technologies. Molecular and Cellular Proteomics, 2006, 5, 2392-2411.	2.5	85
30	Association of Quantitative Metastatic Lymph Node Burden With Survival in Hypopharyngeal and Laryngeal Cancer. JAMA Oncology, 2018, 4, 985.	3.4	82
31	Human Proteome Project Mass Spectrometry Data Interpretation Guidelines 3.0. Journal of Proteome Research, 2019, 18, 4108-4116.	1.8	82
32	Vinculin networkâ€“mediated cytoskeletal remodeling regulates contractile function in the aging heart. Science Translational Medicine, 2015, 7, 292ra99.	5.8	81
33	Identification of a Set of Conserved Eukaryotic Internal Retention Time Standards for Data-independent Acquisition Mass Spectrometry. Molecular and Cellular Proteomics, 2015, 14, 2800-2813.	2.5	76
34	Protein kinase Aâ€“dependent phosphorylation stimulates the transcriptional activity of hypoxia-inducible factor 1. Science Signaling, 2016, 9, ra56.	1.6	76
35	OxLDL Triggers Retrograde Translocation of Arginase2 in Aortic Endothelial Cells via ROCK and Mitochondrial Processing Peptidase. Circulation Research, 2014, 115, 450-459.	2.0	75
36	Heterogeneous Stromal Signaling within the Tumor Microenvironment Controls the Metastasis of Pancreatic Cancer. Cancer Research, 2017, 77, 41-52.	0.4	71

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37	Clinical and biochemical profiles suggest fibromuscular dysplasia is a systemic disease with altered TGFâ€Î² expression and connective tissue features. FASEB Journal, 2014, 28, 3313-3324.	0.2	68
38	Highly Reproducible Automated Proteomics Sample Preparation Workflow for Quantitative Mass Spectrometry. Journal of Proteome Research, 2018, 17, 420-428.	1.8	68
39	Answer ALS, a large-scale resource for sporadic and familial ALS combining clinical and multi-omics data from induced pluripotent cell lines. Nature Neuroscience, 2022, 25, 226-237.	7.1	66
40	Assessment of albumin removal from an immunoaffinity spin column: Critical implications for proteomic examination of the albuminome and albuminâ€depleted samples. Proteomics, 2009, 9, 2021-2028.	1.3	64
41	Citrullination of myofilament proteins in heart failure. Cardiovascular Research, 2015, 108, 232-242.	1.8	64
42	Cofilin-2 Phosphorylation and Sequestration in Myocardial Aggregates. Journal of the American College of Cardiology, 2015, 65, 1199-1214.	1.2	62
43	Serum NfL (Neurofilament Light Chain) Levels and Incident Stroke in Adults With Diabetes Mellitus. Stroke, 2019, 50, 1669-1675.	1.0	60
44	Progress on Identifying and Characterizing the Human Proteome: 2018 Metrics from the HUPO Human Proteome Project. Journal of Proteome Research, 2018, 17, 4031-4041.	1.8	59
45	Identification and characterization of citrulline-modified brain proteins by combining HCD and CID fragmentation. Proteomics, 2013, 13, 2682-2691.	1.3	54
46	Data-Driven Approach To Determine Popular Proteins for Targeted Proteomics Translation of Six Organ Systems. Journal of Proteome Research, 2016, 15, 4126-4134.	1.8	50
47	Diabetes with heart failure increases methylglyoxal modifications in the sarcomere, which inhibit function. JCI Insight, 2018, 3, .	2.3	50
48	Desmin Phosphorylation Triggers Preamyloid Oligomers Formation and Myocyte Dysfunction in Acquired Heart Failure. Circulation Research, 2018, 122, e75-e83.	2.0	46
49	Paradoxical sex-specific patterns of autoantibody response to SARS-CoV-2 infection. Journal of Translational Medicine, 2021, 19, 524.	1.8	42
50	Progress on Identifying and Characterizing the Human Proteome: 2019 Metrics from the HUPO Human Proteome Project. Journal of Proteome Research, 2019, 18, 4098-4107.	1.8	41
51	Protein S -Nitrosylation Controls Glycogen Synthase Kinase 3Î² Function Independent of Its Phosphorylation State. Circulation Research, 2018, 122, 1517-1531.	2.0	40
52	Effect of peptide assay library size and composition in targeted dataâ€independent acquisitionâ€MS analyses. Proteomics, 2016, 16, 2221-2237.	1.3	38
53	Research on the Human Proteome Reaches a Major Milestone: >90% of Predicted Human Proteins Now Credibly Detected, According to the HUPO Human Proteome Project. Journal of Proteome Research, 2020, 19, 4735-4746.	1.8	38
54	Evaluating utility and compliance in a patient-based eHealth study using continuous-time heart rate and activity trackers. Journal of the American Medical Informatics Association: JAMIA, 2018, 25, 1386-1391.	2.2	37

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55	A fast and reproducible method for albumin isolation and depletion from serum and cerebrospinal fluid. Proteomics, 2013, 13, 743-750.	1.3	35
56	Application of volumetric absorptive microsampling for robust, high-throughput mass spectrometric quantification of circulating protein biomarkers. Clinical Mass Spectrometry, 2017, 4-5, 25-33.	1.9	35
57	Sex differences in ischemic heart disease and heart failure biomarkers. Biology of Sex Differences, 2018, 9, 43.	1.8	35
58	Precision Profiling of the Cardiovascular Post-Translationally Modified Proteome. Circulation Research, 2018, 122, 1221-1237.	2.0	33
59	Parallels between retinal and brain pathology and response to immunotherapy in old, lateâ€stage Alzheimer's disease mouse models. Aging Cell, 2020, 19, e13246.	3.0	32
60	Pacemaker-induced transient asynchrony suppresses heart failure progression. Science Translational Medicine, 2015, 7, 319ra207.	5.8	31
61	Dual Labeling Biotin Switch Assay to Reduce Bias Derived From Different Cysteine Subpopulations. Circulation Research, 2015, 117, 846-857.	2.0	31
62	Profilin modulates sarcomeric organization and mediates cardiomyocyte hypertrophy. Cardiovascular Research, 2016, 110, 238-248.	1.8	31
63	Seroprevalence of antibodies to SARS-CoV-2 in healthcare workers: a cross-sectional study. BMJ Open, 2021, 11, e043584.	0.8	31
64	Improved protein extraction and protein identification from archival formalinâ€fixed paraffinâ€embedded human aortas. Proteomics - Clinical Applications, 2013, 7, 217-224.	0.8	30
65	Identification of Glycoproteins Containing Specific Glycans Using a Lectin-Chemical Method. Analytical Chemistry, 2015, 87, 4683-4687.	3.2	30
66	Defining the proteome of human iris, ciliary body, retinal pigment epithelium, and choroid. Proteomics, 2016, 16, 1146-1153.	1.3	30
67	A Roadmap to Successful Clinical Proteomics. Clinical Chemistry, 2017, 63, 245-247.	1.5	30
68	Newt cells secrete extracellular vesicles with therapeutic bioactivity in mammalian cardiomyocytes. Journal of Extracellular Vesicles, 2018, 7, 1456888.	5.5	30
69	Mapping Citrullinated Sites in Multiple Organs of Mice Using Hypercitrullinated Library. Journal of Proteome Research, 2019, 18, 2270-2278.	1.8	30
70	Longitudinal SARS-CoV-2 mRNA Vaccine-Induced Humoral Immune Responses in Patients with Cancer. Cancer Research, 2021, 81, 6273-6280.	0.4	30
71	The continuing evolution of cardiac troponin I biomarker analysis: from protein to proteoform. Expert Review of Proteomics, 2017, 14, 973-986.	1.3	29
72	Type I Keratin 17 Protein Is Phosphorylated on Serine 44 by p90 Ribosomal Protein S6 Kinase 1 (RSK1) in a Growth- and Stress-dependent Fashion. Journal of Biological Chemistry, 2011, 286, 42403-42413.	1.6	28

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73	Transient receptor potential channel 6 regulates abnormal cardiac S-nitrosylation in Duchenne muscular dystrophy. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E10763-E10771.	3.3	28
74	Biomarkers of pulmonary hypertension in patients with scleroderma: a caseâ€“control study. Arthritis Research and Therapy, 2015, 17, 201.	1.6	27
75	Sex, Myocardial Infarction, and the Failure of Risk Scores in Women. Journal of Women's Health, 2015, 24, 859-861.	1.5	27
76	An integrated multi-omic analysis of iPSC-derived motor neurons from C9ORF72 ALS patients. IScience, 2021, 24, 103221.	1.9	27
77	Precision Medicine: Role of Proteomics in Changing Clinical Management and Care. Journal of Proteome Research, 2019, 18, 1-6.	1.8	26
78	Extracellular matrix downregulation in the Drosophila heart preserves contractile function and improves lifespan. Matrix Biology, 2017, 62, 15-27.	1.5	25
79	Methods for SWATHâ„¢: Data Independent Acquisition on TripleTOF Mass Spectrometers. Methods in Molecular Biology, 2016, 1410, 265-279.	0.4	25
80	Cross-Disciplinary Biomarkers Research. Clinical Journal of the American Society of Nephrology: CJASN, 2015, 10, 894-902.	2.2	24
81	CHIP phosphorylation by protein kinase G enhances protein quality control and attenuates cardiac ischemic injury. Nature Communications, 2020, 11, 5237.	5.8	24
82	Advances in quantifying apolipoproteins using LC-MS/MS technology: implications for the clinic. Expert Review of Proteomics, 2017, 14, 869-880.	1.3	23
83	ACE overexpression in myeloid cells increases oxidative metabolism and cellular ATP. Journal of Biological Chemistry, 2020, 295, 1369-1384.	1.6	23
84	Autophagy-mitophagy induction attenuates cardiovascular inflammation in a murine model of Kawasaki disease vasculitis. JCI Insight, 2021, 6, .	2.3	23
85	Posttranslational modifications of lysine and evolving role in heart pathologiesâ€”Recent developments. Proteomics, 2015, 15, 1164-1180.	1.3	22
86	Standardized Workflow for Precise Mid- and High-Throughput Proteomics of Blood Biofluids. Clinical Chemistry, 2022, 68, 450-460.	1.5	22
87	Highlights of the Biology and Disease-driven Human Proteome Project, 2015â€“2016. Journal of Proteome Research, 2016, 15, 3979-3987.	1.8	21
88	Identifying High-Priority Proteins Across the Human Diseasome Using Semantic Similarity. Journal of Proteome Research, 2018, 17, 4267-4278.	1.8	21
89	Acute neuropathological consequences of short-term mechanical ventilation in wild-type and Alzheimerâ€™s disease mice. Critical Care, 2019, 23, 63.	2.5	21
90	A novel phosphorylation site, Serine 199, in the C-terminus of cardiac troponin I regulates calcium sensitivity and susceptibility to calpain-induced proteolysis. Journal of Molecular and Cellular Cardiology, 2015, 82, 93-103.	0.9	20

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91	Proteomics reveals Rictor as a noncanonical TGF-Î² signaling target during aneurysm progression in Marfan mice. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H1112-H1126.	1.5	20
92	Cellular Imprinting Proteomics Assay: A Novel Method for Detection of Neural and Ocular Disorders Applied to Congenital Zika Virus Syndrome. Journal of Proteome Research, 2020, 19, 4496-4515.	1.8	20
93	Discovery Proteomics for COVID-19: Where We Are Now. Journal of Proteome Research, 2021, 20, 4627-4639.	1.8	20
94	An Empirical Approach to Signature Peptide Choice for Selected Reaction Monitoring: Quantification of Uromodulin in Urine. Clinical Chemistry, 2016, 62, 198-207.	1.5	19
95	Head injury serum markers for assessing response to trauma: Design of the HeadSMART study. Brain Injury, 2017, 31, 370-378.	0.6	19
96	Multipotent fetal-derived Cdx2 cells from placenta regenerate the heart. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11786-11795.	3.3	19
97	The C2 Domain and Altered ATP-Binding Loop Phosphorylation at Ser³⁵⁹ Mediate the Redox-Dependent Increase in Protein Kinase C-Î´ Activity. Molecular and Cellular Biology, 2015, 35, 1727-1740.	1.1	18
98	A novel, multiplexed targeted mass spectrometry assay for quantification of complement factor H (CFH) variants and CFHâ€•related proteins 1â€“5 in human plasma. Proteomics, 2017, 17, 1600237.	1.3	18
99	Lysine and Arginine Protein Post-translational Modifications by Enhanced DIA Libraries: Quantification in Murine Liver Disease. Journal of Proteome Research, 2020, 19, 4163-4178.	1.8	18
100	Depletion of mitochondrial methionine adenosyltransferase Î±1 triggers mitochondrial dysfunction in alcohol-associated liver disease. Nature Communications, 2022, 13, 557.	5.8	18
101	Prioritizing Proteomics Assay Development for Clinical Translation. Journal of the American College of Cardiology, 2015, 66, 202-204.	1.2	17
102	The proteome of normal human retrobulbar optic nerve and sclera. Proteomics, 2016, 16, 2592-2596.	1.3	17
103	Cardiac troponins may be irreversibly modified by glycation: novel potential mechanisms of cardiac performance modulation. Scientific Reports, 2018, 8, 16084.	1.6	17
104	Sâ€adenosylmethionine inhibits la ribonucleoprotein domain family member 1 in murine liver and human liver cancer cells. Hepatology, 2022, 75, 280-296.	3.6	17
105	Biological substrate modification suppresses ventricular arrhythmias in a porcine model of chronic ischaemic cardiomyopathy. European Heart Journal, 2022, 43, 2139-2156.	1.0	17
106	Demographic and clinical characteristics associated with variations in antibody response to BNT162b2 COVID-19 vaccination among healthcare workers at an academic medical centre: a longitudinal cohort analysis. BMJ Open, 2022, 12, e059994.	0.8	17
107	Identification of Putative Early Atherosclerosis Biomarkers by Unsupervised Deconvolution of Heterogeneous Vascular Proteomes. Journal of Proteome Research, 2020, 19, 2794-2806.	1.8	16
108	Multiple and Selective Reaction Monitoring Using Triple Quadrupole Mass Spectrometer: Preclinical Large Cohort Analysis. Methods in Molecular Biology, 2016, 1410, 249-264.	0.4	16

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109	Myofilament Phosphorylation in Stem Cell Treated Diastolic Heart Failure. Circulation Research, 2021, 129, 1125-1140.	2.0	16
110	New Views of Old Proteins: Clarifying the Enigmatic Proteome. Molecular and Cellular Proteomics, 2022, 21, 100254.	2.5	16
111	Whole Exome Sequencing to Identify Genetic Variants Associated with Raised Atherosclerotic Lesions in Young Persons. Scientific Reports, 2017, 7, 4091.	1.6	15
112	Prevalence of Incomplete Functional and Symptomatic Recovery among Patients with Head Injury but Brain Injury Debatable. Journal of Neurotrauma, 2017, 34, 1531-1538.	1.7	15
113	A Plasma Sample Preparation for Mass Spectrometry using an Automated Workstation. Journal of Visualized Experiments, 2020, , .	0.2	15
114	Profiling B-Type Natriuretic Peptide Cleavage Peptidoforms in Human Plasma by Capillary Electrophoresis with Electrospray Ionization Mass Spectrometry. Journal of Proteome Research, 2017, 16, 4515-4522.	1.8	14
115	Progress and Future Direction of Chromosome-Centric Human Proteome Project. Journal of Proteome Research, 2017, 16, 4253-4258.	1.8	14
116	Contractility kits promote assembly of the mechanoresponsive cytoskeletal network. Journal of Cell Science, 2019, 132, .	1.2	14
117	Neuronâ€generated thrombin induces a protective astrocyte response via protease activated receptors. Glia, 2020, 68, 246-262.	2.5	14
118	Proteomic analysis of the cardiac myocyte secretome reveals extracellular protective functions for the ER stress response. Journal of Molecular and Cellular Cardiology, 2020, 143, 132-144.	0.9	14
119	PINE: An Automation Tool to Extract and Visualize Protein-Centric Functional Networks. Journal of the American Society for Mass Spectrometry, 2020, 31, 1410-1421.	1.2	14
120	Sexual Dimorphism in Cardiovascular Biomarkers: Clinical and Research Implications. Circulation Research, 2022, 130, 578-592.	2.0	13
121	A protocol integrating remote patient monitoring patient reported outcomes and cardiovascular biomarkers. Npj Digital Medicine, 2019, 2, 84.	5.7	12
122	Quality Control and Outlier Detection of Targeted Mass Spectrometry Data from Multiplex Protein Panels. Journal of Proteome Research, 2020, 19, 2278-2293.	1.8	12
123	Identification of cardiac myofilament protein isoforms using multiple mass spectrometry based approaches. Proteomics - Clinical Applications, 2014, 8, 578-589.	0.8	11
124	Phosphoâ€Proteomic Analysis of Cardiac Dyssynchrony and Resynchronization Therapy. Proteomics, 2018, 18, e1800079.	1.3	11
125	Mining the Proteome Associated with Rheumatic and Autoimmune Diseases. Journal of Proteome Research, 2019, 18, 4231-4239.	1.8	11
126	Development of a biomarker panel to predict cardiac resynchronization therapy response: Results from the SMART-AV trial. Heart Rhythm, 2019, 16, 743-753.	0.3	11

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127	A Dual Workflow to Improve the Proteomic Coverage in Plasma Using Data-Independent Acquisition-MS. Journal of Proteome Research, 2020, 19, 2828-2837.	1.8	11
128	Automated proteomic sample preparation: The key component for high throughput and quantitative mass spectrometry analysis. Mass Spectrometry Reviews, 2023, 42, 873-886.	2.8	11
129	Protein kinase G signaling in cardiac pathophysiology: Impact of proteomics on clinical trials. Proteomics, 2016, 16, 894-905.	1.3	10
130	Bioinformatic Analysis Of Coronary Disease Associated SNPs And Genes To Identify Proteins Potentially Involved In The Pathogenesis Of Atherosclerosis. Journal of Proteomics and Genomics Research, 2017, 2, 1-12.	0.7	10
131	Precision Medicine. Circulation, 2018, 138, 2172-2174.	1.6	10
132	Elucidating Citrullination by Mass Spectrometry and Its Role in Disease Pathogenesis. Journal of Proteome Research, 2021, 20, 38-48.	1.8	10
133	Emerging proteomic technologies for elucidating context-dependent cellular signaling events: A big challenge of tiny proportions. Proteomics, 2015, 15, 1486-1502.	1.3	9
134	Prognostic Impact of Histologic Grade for Papillary Thyroid Carcinoma. Annals of Surgical Oncology, 2021, 28, 1731-1739.	0.7	9
135	Data-driven detection of subtype-specific differentially expressed genes. Scientific Reports, 2021, 11, 332.	1.6	9
136	In Vitro and In Vivo Proteomic Comparison of Human Neural Progenitor Cellâ€Induced Photoreceptor Survival. Proteomics, 2019, 19, e1800213.	1.3	8
137	Comparative assessment and novel strategy on methods for imputing proteomics data. Scientific Reports, 2022, 12, 1067.	1.6	8
138	A novel phosphorylation site at Ser130 adjacent to the pseudosubstrate domain contributes to the activation of protein kinase C-Î´. Biochemical Journal, 2016, 473, 311-320.	1.7	7
139	A Proteomics Workflow for Dual Labeling Biotin Switch Assay to Detect and Quantify Protein S-Nitroylation. Methods in Molecular Biology, 2018, 1747, 89-101.	0.4	7
140	Feasibility of Patient-Centric Remote Dried Blood Sampling: The Prediction, Risk, and Evaluation of Major Adverse Cardiac Events (PRE-MACE) Study. Biodemography and Social Biology, 2020, 65, 313-322.	0.4	7
141	Mapping Biological Networks from Quantitative Data-Independent Acquisition Mass Spectrometry: Data to Knowledge Pipelines. Methods in Molecular Biology, 2017, 1558, 395-413.	0.4	7
142	Symptomology following mRNA vaccination against SARS-CoV-2. Preventive Medicine, 2021, 153, 106860.	1.6	7
143	Sâ€Nitrosoglutathione Reductase Deficiency Causes Aberrant Placental Sâ€Nitrosylation and Preeclampsia. Journal of the American Heart Association, 2022, 11, e024008.	1.6	7
144	Vascular biomarkers and digital ulcerations in systemic sclerosis: results from a randomized controlled trial of oral treprostinil (DISTOL-1). Clinical Rheumatology, 2020, 39, 1199-1205.	1.0	6

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145	MitoPlex: A targeted multiple reaction monitoring assay for quantification of a curated set of mitochondrial proteins. Journal of Molecular and Cellular Cardiology, 2020, 142, 1-13.	0.9	6
146	Gene and protein expression in human megakaryocytes derived from induced pluripotent stem cells. Journal of Thrombosis and Haemostasis, 2021, 19, 1783-1799.	1.9	6
147	Priorities and trends in the study of proteins in eye research, 1924â€“2014. Proteomics - Clinical Applications, 2015, 9, 1105-1122.	0.8	5
148	Molecular Profile of Priapism Associated with Low Nitric Oxide Bioavailability. Journal of Proteome Research, 2018, 17, 1031-1040.	1.8	5
149	swCAM: estimation of subtype-specific expressions in individual samples with unsupervised sample-wise deconvolution. Bioinformatics, 2022, 38, 1403-1410.	1.8	5
150	COT: an efficient and accurate method for detecting marker genes among many subtypes. Bioinformatics Advances, 2022, 2, .	0.9	5
151	Proteomics of Mouse Heart Ventricles Reveals Mitochondria and Metabolism as Major Targets of a Post-Infarction Short-Acting GLP1Ra-Therapy. International Journal of Molecular Sciences, 2021, 22, 8711.	1.8	4
152	Dynamic Proteomic and miRNA Analysis of Polysomes from Isolated Mouse Heart After Langendorff Perfusion. Journal of Visualized Experiments, 2018, , .	0.2	3
153	Which Methods for Determining Glomerular Filtration Rate Most Strongly Associate with Risk of Progression of Kidney Disease?. Clinical Chemistry, 2019, 65, 361-362.	1.5	3
154	pH/Acetonitrile-Gradient Reversed-Phase Fractionation of Enriched Hyper-Citrullinated Library in Combination with LCâ€“MS/MS Analysis for Confident Identification of Citrullinated Peptides. Methods in Molecular Biology, 2022, 2420, 107-126.	0.4	3
155	US Severe Acute Respiratory Syndrome Coronavirus 2 Epsilon Variant: Highly Transmissible but With an Adjusted Muted Host T-Cell Response. Clinical Infectious Diseases, 2022, 75, 1940-1949.	2.9	3
156	Exploring ribosome composition and newly synthesized proteins through proteomics and potential biomedical applications. Expert Review of Proteomics, 2017, 14, 529-543.	1.3	2
157	The World of Protein Interactions. Circulation Research, 2021, 128, 720-722.	2.0	2
158	Proteomic discovery in sickle cell disease: Elevated neurogranin levels in children with sickle cell disease. Proteomics - Clinical Applications, 2021, 15, 2100003.	0.8	2
159	Comparative Proteomic Analysis of HPV(+) Oropharyngeal Squamous Cell Carcinoma Recurrence. Journal of Proteome Research, 2022, 21, 200-208.	1.8	2
160	Maximizing the Utility of Proteomics. Circulation: Cardiovascular Genetics, 2011, 4, 574-574.	5.1	1
161	Identification of Thrombospondin-1 and L-Selectin as Potential Plasma Biomarkers of Silent Cerebral Infarct In Children with Sickle Cell Disease Using a Proteomic-Based Approach. Blood, 2010, 116, 259-259.	0.6	1
162	Plasma metabolomics to predict chemotherapy (CTX) response in advanced pancreatic cancer (PC) patients (pts) on enteral feeding for cachexia.. Journal of Clinical Oncology, 2022, 40, 600-600.	0.8	1

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163	Sex-based differences in remote monitoring of biometric, psychometric and biomarker indices in stable ischemic heart disease. Biology of Sex Differences, 2022, 13, 15.	1.8	1
164	Universal therapeutic targeting of age-related protein quality control system dysfunction in chronic diseases?. Trends in Cardiovascular Medicine, 2015, 25, 248-249.	2.3	0
165	Mechanisms that regulate PKCÎ'â€dependent phosphorylation of cardiac troponin I: the role of the C2 domain and ATPâ€binding loop phosphorylation S357 (1081.2). FASEB Journal, 2014, 28, 1081.2.	0.2	0
166	Proteomics Reveals Contextâ€Dependent Activation of Rictor Signaling by TGFÎ² in Vascular Smooth Muscle Cells. FASEB Journal, 2018, 32, .	0.2	0
167	Abstract 16928: Discordant Mechanisms in Heart Failure and Hypertrophy. Circulation, 2020, 142, .	1.6	0
168	Abstract 11607: Protein Citrullination Landscape of Human Coronary Atherosclerosis. Circulation, 2021, 144, .	1.6	0
169	Abstract 11572: Plasma Proteomic Signature Implicates Impaired Calcium Handling and Cell-Matrix Adhesion in Repaired Tetralogy of Fallot with Right Ventricular Volume and Pressure Overload. Circulation, 2021, 144, .	1.6	0
170	Proteomics profiling reveals Spp1 deficiency to downregulate UCHL1 in macrophages and to associate with lysosomeâ€mitochondria mediated apoptotic pathways. Alzheimer's and Dementia, 2021, 17, e055297.	0.4	0
171	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0
172	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0
173	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0
174	Pre-existing traits associated with Covid-19 illness severity. , 2020, 15, e0236240.		0
175	The Molecular Twin platform: a novel machine learning tool for democratization of precision cancer medicine.. Journal of Clinical Oncology, 2022, 40, e13546-e13546.	0.8	0
176	Metabolomics in advanced pancreatic cancer (PC) patients (pts) achieving weight stability on enteral feeding for cachexia.. Journal of Clinical Oncology, 2022, 40, e16291-e16291.	0.8	0