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List of Publications by Year in descending order

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Version: 2024-02-01

124 papers	8,346 citations	43 h-index	49868 87 g-index
138	138	138	11513 citing authors
all docs	docs citations	times ranked	

#	Article	IF	CITATIONS
1	Proteomics based markers of clinical pain severity in juvenile idiopathic arthritis. Pediatric Rheumatology, 2022, 20, 3.	0.9	3
2	multiFLEX-LF: A Computational Approach to Quantify the Modification Stoichiometries in Label-Free Proteomics Data Sets. Journal of Proteome Research, 2022, 21, 899-909.	1.8	1
3	Urine Proteomics for Noninvasive Monitoring of Biomarkers in Bronchopulmonary Dysplasia. Neonatology, 2022, 119, 193-203.	0.9	12
4	Plasma Proteomic Analysis Distinguishes Severity Outcomes of Human Ebola Virus Disease. MBio, 2022, 13, e0056722.	1.8	5
5	Determinants of B-Cell Compartment Hyperactivation in European Adolescents Living With Perinatally Acquired HIV-1 After Over 10 Years of Suppressive Therapy. Frontiers in Immunology, 2022, 13, 860418.	2.2	6
6	Bacille Calmette-Guérin vaccine reprograms human neonatal lipid metabolism inÂvivo and inÂvitro. Cell Reports, 2022, 39, 110772.	2.9	13
7	Antioxidant functions of DHHC3 suppress anti-cancer drug activities. Cellular and Molecular Life Sciences, 2021, 78, 2341-2353.	2.4	12
8	Delayed Processing of Secretin-Induced Pancreas Fluid Influences the Quality and Integrity of Proteins and Nucleic Acids. Pancreas, 2021, 50, 17-28.	0.5	4
9	Sample Preparation for High-Throughput Urine Proteomics Using 96-Well Polyvinylidene Fluoride (PVDF) Membranes Advances in Experimental Medicine and Biology, 2021, 1306, 1-12.	0.8	2
10	Biomarkers of Chronic Pancreatitis: A systematic literature review. Pancreatology, 2021, 21, 323-333.	0.5	16
11	Immunophenotyping assessment in a COVID-19 cohort (IMPACC): A prospective longitudinal study. Science Immunology, 2021, 6, .	5.6	20
12	Multi-omic regulatory networks capture downstream effects of kinase inhibition in Mycobacterium tuberculosis. Npj Systems Biology and Applications, 2021, 7, 8.	1.4	3
13	Tau PTM Profiles Identify Patient Heterogeneity and Stages of Alzheimer's Disease. Cell, 2020, 183, 1699-1713.e13.	13.5	354
14	Preparing for Life: Plasma Proteome Changes and Immune System Development During the First Week of Human Life. Frontiers in Immunology, 2020, 11, 578505.	2.2	23
15	Clinical Protocol for a Longitudinal Cohort Study Employing Systems Biology to Identify Markers of Vaccine Immunogenicity in Newborn Infants in The Gambia and Papua New Guinea. Frontiers in Pediatrics, 2020, 8, 197.	0.9	12
16	BCG vaccination–induced emergency granulopoiesis provides rapid protection from neonatal sepsis. Science Translational Medicine, 2020, 12, .	5.8	76
17	Influence of Plasmodium falciparum Calcium-Dependent Protein Kinase 5 (PfCDPK5) on the Late Schizont Stage Phosphoproteome. MSphere, 2020, 5, .	1.3	16
18	Protein kinases PknA and PknB independently and coordinately regulate essential Mycobacterium tuberculosis physiologies and antimicrobial susceptibility. PLoS Pathogens, 2020, 16, e1008452.	2.1	33

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19	FLEXIQuant-LF to quantify protein modification extent in label-free proteomics data. ELife, 2020, 9, .	2.8	4
20	Increased phosphorylation of ACTN4 leads to podocyte vulnerability and proteinuric kidney disease and is stimulated by high glucose and TGFâ€b. FASEB Journal, 2020, 34, 1-1.	0.2	0
21	Dynamic molecular changes during the first week of human life follow a robust developmental trajectory. Nature Communications, 2019, 10, 1092.	5.8	151
22	Precision Medicine in Pancreatic Diseaseâ€"Knowledge Gaps and Research Opportunities. Pancreas, 2019, 48, 1250-1258.	0.5	9
23	Prohibitin is a prognostic marker and therapeutic target to block chemotherapy resistance in Wilms' tumor. JCI Insight, 2019, 4, .	2.3	21
24	Multisystem Analysis of $\langle i \rangle$ Mycobacterium tuberculosis $\langle i \rangle$ Reveals Kinase-Dependent Remodeling of the Pathogen-Environment Interface. MBio, 2018, 9, .	1.8	57
25	A Cost-Effective High-Throughput Plasma and Serum Proteomics Workflow Enables Mapping of the Molecular Impact of Total Pancreatectomy with Islet Autotransplantation. Journal of Proteome Research, 2018, 17, 1983-1992.	1.8	39
26	Fetal regional brain protein signature in FASD rat model. Reproductive Toxicology, 2018, 76, 84-92.	1.3	17
27	Standard Operating Procedures for Biospecimen Collection, Processing, and Storage. Pancreas, 2018, 47, 1213-1221.	0.5	22
28	PGBD5 promotes site-specific oncogenic mutations in human tumors. Nature Genetics, 2017, 49, 1005-1014.	9.4	69
29	Placental Proteomics Reveal Insights into Fetal Alcohol Spectrum Disorders. Alcoholism: Clinical and Experimental Research, 2017, 41, 1551-1558.	1.4	17
30	[O4–O2–O3]: MAPPING THE TAUOPATHY‧PECIFIC MODIFICATION LANDSCAPE ON TAU. Alzheimer's and Dementia, 2017, 13, P1229.	0.4	1
31	High-Throughput Parallel Proteomic Sample Preparation Using 96-Well Polyvinylidene Fluoride (PVDF) Membranes and C18 Purification Plates. Methods in Molecular Biology, 2017, 1619, 395-402.	0.4	16
32	Endoscopic Pancreas Fluid Collection: Methods and Relevance for Clinical Care and Translational Science. American Journal of Gastroenterology, 2016, 111, 1258-1266.	0.2	30
33	Urinary Proteomics Yield Pathological Insights for Ureteropelvic Junction Obstruction. Molecular and Cellular Proteomics, 2016, 15, 2607-2615.	2.5	16
34	f-divergence cutoff index to simultaneously identify differential expression in the integrated transcriptome and proteome. Nucleic Acids Research, 2016, 44, e97-e97.	6.5	7
35	Adjuvant-induced Human Monocyte Secretome Profiles Reveal Adjuvant- and Age-specific Protein Signatures. Molecular and Cellular Proteomics, 2016, 15, 1877-1894.	2.5	23
36	FLEXITau: Quantifying Post-translational Modifications of Tau Protein <i>in Vitro</i> and in Human Disease. Analytical Chemistry, 2016, 88, 3704-3714.	3.2	103

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37	Progressive Differentiation and Instructive Capacities of Amniotic Fluid and Cerebrospinal Fluid Proteomes following Neural Tube Closure. Developmental Cell, 2015, 35, 789-802.	3.1	77
38	A Specific LSD1/KDM1A Isoform Regulates Neuronal Differentiation through H3K9 Demethylation. Molecular Cell, 2015, 57, 957-970.	4.5	221
39	Abundance-based Classifier for the Prediction of Mass Spectrometric Peptide Detectability Upon Enrichment (PPA). Molecular and Cellular Proteomics, 2015, 14, 430-440.	2.5	23
40	A High-Efficiency Cellular Extraction System for Biological Proteomics. Journal of Proteome Research, 2015, 14, 3403-3408.	1.8	26
41	Characterization of the porcine synovial fluid proteome and a comparison to the plasma proteome. Data in Brief, 2015, 5, 241-247.	0.5	4
42	Pancreatic Juice Prostaglandin E2 Concentrations Are Elevated in Chronic Pancreatitis and Improve Detection of Early Disease. Clinical and Translational Gastroenterology, 2015, 6, e72.	1.3	16
43	Advancing Urinary Protein Biomarker Discovery by Data-Independent Acquisition on a Quadrupole-Orbitrap Mass Spectrometer. Journal of Proteome Research, 2015, 14, 4752-4762.	1.8	109
44	MStern Blotting–High Throughput Polyvinylidene Fluoride (PVDF) Membrane-Based Proteomic Sample Preparation for 96-Well Plates. Molecular and Cellular Proteomics, 2015, 14, 2814-2823.	2.5	68
45	Optimization of Cell Lysis and Protein Digestion Protocols for Protein Analysis by LC-MS/MS. Methods in Molecular Biology, 2015, 1295, 259-273.	0.4	5
46	An in-depth comparison of the male pediatric and adult urinary proteomes. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2014, 1844, 1044-1050.	1.1	25
47	Quantitative profiling of peptides from RNAs classified as noncoding. Nature Communications, 2014, 5, 5429.	5.8	55
48	A Normative Study of the Synovial Fluid Proteome from Healthy Porcine Knee Joints. Journal of Proteome Research, 2014, 13, 4377-4387.	1.8	68
49	Co-regulation proteomics reveals substrates and mechanisms of APC/C-dependent degradation. EMBO Journal, 2014, 33, 385-399.	3.5	72
50	Abstract IA8: A new class of drugs active in T-ALL is revealed in a zebrafish screen. , 2014, , .		0
51	Nonparametric Bayesian Evaluation of Differential Protein Quantification. Journal of Proteome Research, 2013, 12, 4556-4565.	1.8	22
52	Post-translational modifications of pancreatic fluid proteins collected via the endoscopic pancreatic function test (ePFT). Journal of Proteomics, 2013, 92, 216-227.	1.2	8
53	A Non-parametric Cutout Index for Robust Evaluation of Identified Proteins. Molecular and Cellular Proteomics, 2013, 12, 807-812.	2.5	11
54	Urine proteomics for discovery of improved diagnostic markers of Kawasaki disease. EMBO Molecular Medicine, 2013, 5, 210-220.	3.3	80

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55	Crossâ€species analysis of nicotineâ€induced proteomic alterations in pancreatic cells. Proteomics, 2013, 13, 1499-1512.	1.3	20
56	Short Gel, Long Gradient Liquid Chromatography Tandem Mass Spectrometry to Investigate the Urine Proteome of Chronic Pancreatitis. The Open Proteomics Journal, 2013, 6, 1-13.	0.4	8
57	Analysis of endoscopic pancreatic function test (ePFT)-collected pancreatic fluid proteins precipitated via ultracentrifugation. JOP: Journal of the Pancreas, 2013, 14, 176-86.	1.5	4
58	mz5: Space- and Time-efficient Storage of Mass Spectrometry Data Sets. Molecular and Cellular Proteomics, 2012, 11, O111.011379.	2.5	56
59	Brainstem Deficiency of the 14-3-3 Regulator of Serotonin Synthesis: A Proteomics Analysis in the Sudden Infant Death Syndrome. Molecular and Cellular Proteomics, 2012, 11, M111.009530.	2.5	42
60	Overcoming Species Boundaries in Peptide Identification with Bayesian Information Criterion-driven Error-tolerant Peptide Search (BICEPS). Molecular and Cellular Proteomics, 2012, 11, M111.014167-1-M111.014167-12.	2.5	24
61	Proteomic Analysis of Formalin-Fixed Paraffin-Embedded Pancreatic Tissue Using Liquid Chromatography Tandem Mass Spectrometry. Pancreas, 2012, 41, 175-185.	0.5	30
62	Mass Spectrometry-Based (GeLC-MS/MS) Comparative Proteomic Analysis of Endoscopically (ePFT) Collected Pancreatic and Gastroduodenal Fluids. Clinical and Translational Gastroenterology, 2012, 3, e14.	1.3	15
63	FLEXIQinase, a mass spectrometry–based assay, to unveil multikinase mechanisms. Nature Methods, 2012, 9, 504-508.	9.0	26
64	Tiki1 Is Required for Head Formation via Wnt Cleavage-Oxidation and Inactivation. Cell, 2012, 149, 1565-1577.	13.5	125
65	Postâ€translational modification: nature's escape from genetic imprisonment and the basis for dynamic information encoding. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2012, 4, 565-583.	6.6	288
66	A Practical Guide to the FLEXIQuant Method. Methods in Molecular Biology, 2012, 893, 295-319.	0.4	19
67	Proteomic Analysis (GeLC–MS/MS) of ePFT-Collected Pancreatic Fluid in Chronic Pancreatitis. Journal of Proteome Research, 2012, 11, 1897-1912.	1.8	25
68	Detection and Diagnostic Value of Urine Leucine-Rich \hat{l} ±-2-Glycoprotein in Children With Suspected Acute Appendicitis. Annals of Emergency Medicine, 2012, 60, 78-83.e1.	0.3	50
69	Etiology of limb girdle muscular dystrophy 1D/1E determined by laser capture microdissection proteomics. Annals of Neurology, 2012, 71, 141-145.	2.8	49
70	Phenothiazines Induce Apoptosis in T-Cell Acute Lymphoblastic Leukemia by Activating the Phosphatase Activity of the PP2A Tumor Suppressor. Blood, 2012, 120, 3558-3558.	0.6	2
71	Mass spectrometry-based proteomics for translational research: a technical overview. Yale Journal of Biology and Medicine, 2012, 85, 59-73.	0.2	22
72	Proteomic Analysis of an Immortalized Mouse Pancreatic Stellate Cell Line Identifies Differentially-Expressed Proteins in Activated vs Nonproliferating Cell States. Journal of Proteome Research, 2011, 10, 4835-4844.	1.8	36

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73	Proteomic analysis of a rat pancreatic stellate cell line using liquid chromatography tandem mass spectrometry (LC-MS/MS). Journal of Proteomics, 2011, 75, 708-717.	1.2	31
74	Comparative analysis of Erk phosphorylation suggests a mixed strategy for measuring phosphoâ€form distributions. Molecular Systems Biology, 2011, 7, 482.	3.2	38
75	Cytokine profiling of pancreatic fluid using the ePFT collection method in tandem with a multiplexed microarray assay. Journal of Immunological Methods, 2011, 369, 98-107.	0.6	18
76	Mass spectrometryâ€based proteomics of endoscopically collected pancreatic fluid in chronic pancreatitis research. Proteomics - Clinical Applications, 2011, 5, 109-120.	0.8	19
77	Optimization of cell lysis and protein digestion protocols for the analysis of HeLa S3 cells by LCâ€MS/MS. Proteomics, 2011, 11, 4726-4730.	1.3	41
78	Difference gel electrophoresis identifies differentially expressed proteins in endoscopically collected pancreatic fluid. Electrophoresis, 2011, 32, 1939-1951.	1.3	10
79	Life Cycle Stage-resolved Proteomic Analysis of the Excretome/Secretome from Strongyloides ratti—Identification of Stage-specific Proteases. Molecular and Cellular Proteomics, 2011, 10, M111.010157.	2.5	78
80	Quantitative Proteomics Identifies a \hat{l}^2 -Catenin Network as an Element of the Signaling Response to Frizzled-8 Protein-Related Antiproliferative Factor. Molecular and Cellular Proteomics, 2011, 10, M110.007492.	2.5	31
81	Sample Handling of Body Fluids for Proteomics. , 2011, , 327-360.		6
82	Identification of Pancreas-Specific Proteins in Endoscopically (Endoscopic Pancreatic Function Test) Collected Pancreatic Fluid with Liquid Chromatography- Tandem Mass Spectrometry. Pancreas, 2010, 39, 889-896.	0.5	27
83	Optimized sample preparation of endoscopic collected pancreatic fluid for SDSâ€PAGE analysis. Electrophoresis, 2010, 31, 2377-2387.	1.3	31
84	Discovery and Validation of Urine Markers of Acute Pediatric Appendicitis Using High-Accuracy Mass Spectrometry. Annals of Emergency Medicine, 2010, 55, 62-70.e4.	0.3	74
85	Proteomic analysis of endoscopically (endoscopic pancreatic function test) collected gastroduodenal fluid using inâ€gel tryptic digestion followed by LCâ€MS/MS. Proteomics - Clinical Applications, 2010, 4, 715-725.	0.8	22
86	Phosphoproteomics. Wiley Interdisciplinary Reviews: Systems Biology and Medicine, 2010, 2, 255-276.	6.6	41
87	Binding Partner Switching on Microtubules and Aurora-B in the Mitosis to Cytokinesis Transition. Molecular and Cellular Proteomics, 2010, 9, 336-350.	2.5	76
88	Proteome Scale Characterization of Human S-Acylated Proteins in Lipid Raft-enriched and Non-raft Membranes. Molecular and Cellular Proteomics, 2010, 9, 54-70.	2.5	252
89	Estimating the Confidence of Peptide Identifications without Decoy Databases. Analytical Chemistry, 2010, 82, 4314-4318.	3.2	23
90	Effect of High-Accuracy Precursor Masses on Phosphopeptide Identification from MS ³ Spectra. Analytical Chemistry, 2010, 82, 3977-3980.	3.2	6

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91	One-Step Sample Concentration, Purification, and Albumin Depletion Method for Urinary Proteomics. Journal of Proteome Research, 2010, 9, 6082-6089.	1.8	29
92	Quantitative Proteomics Analysis Reveals Molecular Networks Regulated by Epidermal Growth Factor Receptor Level in Head and Neck Cancer. Journal of Proteome Research, 2010, 9, 3073-3082.	1.8	26
93	Proteomic Analysis of Palmitoylated Platelet Proteins. Blood, 2010, 116, 2017-2017.	0.6	1
94	Tyrosine Phosphorylation of Runx1 In Megakaryocytes by Src Family Kinases. Blood, 2010, 116, 742-742.	0.6	2
95	When less can yield more – Computational preprocessing of MS/MS spectra for peptide identification. Proteomics, 2009, 9, 4978-4984.	1.3	73
96	Urine proteomics for profiling of human disease using high accuracy mass spectrometry. Proteomics - Clinical Applications, 2009, 3, 1052-1061.	0.8	117
97	A simple and effective method for detecting phosphopeptides for phosphoproteomic analysis. Journal of Proteomics, 2009, 72, 831-835.	1.2	8
98	FLEXIQuant: A Novel Tool for the Absolute Quantification of Proteins, and the Simultaneous Identification and Quantification of Potentially Modified Peptides. Journal of Proteome Research, 2009, 8, 2201-2210.	1.8	109
99	Proteomics and Opportunities for Clinical Translation in Urological Disease. Journal of Urology, 2009, 182, 835-843.	0.2	17
100	Temporal variations of the postnatal rat urinary proteome as a reflection of systemic maturation. Proteomics, 2008, 8, 1097-1112.	1.3	26
101	NITPICK: peak identification for mass spectrometry data. BMC Bioinformatics, 2008, 9, 355.	1.2	66
102	Robust Prediction of the MASCOT Score for an Improved Quality Assessment in Mass Spectrometric Proteomics. Journal of Proteome Research, 2008, 7, 3708-3717.	1.8	182
103	Different phosphorylation states of the anaphase promoting complex in response to antimitotic drugs: A quantitative proteomic analysis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 6069-6074.	3.3	77
104	Optimizing Sample Handling for Urinary Proteomics. Journal of Proteome Research, 2008, 7, 4022-4030.	1.8	68
105	Phosphorylation Analysis by Mass Spectrometry. Molecular and Cellular Proteomics, 2006, 5, 172-181.	2.5	313
106	Stable isotope-free relative and absolute quantitation of protein phosphorylation stoichiometry by MS. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 3948-3953.	3.3	202
107	The abc's (and xyz's) of peptide sequencing. Nature Reviews Molecular Cell Biology, 2004, 5, 699-711.	16.1	948
108	Phosphotyrosine Mapping in Bcr/Abl Oncoprotein Using Phosphotyrosine-specific Immonium Ion Scanning. Molecular and Cellular Proteomics, 2003, 2, 138-145.	2.5	46

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109	Analysis of Tyrosine Phosphorylation Sites in Signaling Molecules by a Phosphotyrosine-Specific Immonium Ion Scanning Method. Science Signaling, 2002, 2002, pl16-pl16.	1.6	38
110	Tyrosine Phosphorylation Mapping of the Epidermal Growth Factor Receptor Signaling Pathway. Journal of Biological Chemistry, 2002, 277, 1031-1039.	1.6	175
111	Analysis of Bromotryptophan and Hydroxyproline Modifications by High-Resolution, High-Accuracy Precursor Ion Scanning Utilizing Fragment Ions with Mass-Deficient Mass Tags. Analytical Chemistry, 2002, 74, 6230-6236.	3.2	41
112	Multi-Protein Complexes Studied by Mass Spectrometry. Scientific World Journal, The, 2002, 2, 91-92.	0.8	1
113	Proteomics goes quantitative: measuring protein abundance. Trends in Biotechnology, 2002, 20, 361-364.	4.9	64
114	Directed Proteomic Analysis of the Human Nucleolus. Current Biology, 2002, 12, 1-11.	1.8	962
115	Analysis of protein-nucleic acid interactions by photochemical cross-linking and mass spectrometry. Mass Spectrometry Reviews, 2002, 21, 163-182.	2.8	67
116	A new derivatization strategy for the analysis of phosphopeptides by precursor ion scanning in positive ion mode. Journal of the American Society for Mass Spectrometry, 2002, 13, 996-1003.	1.2	104
117	Detection of Tyrosine Phosphorylated Peptides by Precursor Ion Scanning Quadrupole TOF Mass Spectrometry in Positive Ion Mode. Analytical Chemistry, 2001, 73, 1440-1448.	3.2	306
118	Similarity between condensed phase and gas phase chemistry: Fragmentation of peptides containing oxidized cysteine residues and its implications for proteomics. Journal of the American Society for Mass Spectrometry, 2001, 12, 228-232.	1.2	59
119	Investigation of tyrosine nitration in proteins by mass spectrometry. Journal of Mass Spectrometry, 2001, 36, 616-625.	0.7	141
120	Quadrupole time-of-flight versus triple-quadrupole mass spectrometry for the determination of phosphopeptides by precursor ion scanning. Journal of Mass Spectrometry, 2001, 36, 782-790.	0.7	141
121	Labile sulfogroup allows differentiation of sulfotyrosine and phosphotyrosine in peptides. Journal of Mass Spectrometry, 2001, 36, 832-833.	0.7	28
122	Mass spectrometric analysis of a UV-cross-linked protein-DNA complex: Tryptophans 54 and 88 of E. coliSSB cross-link to DNA. Protein Science, 2001, 10, 1989-2001.	3.1	43
123	Detection and Quantification of Neurotensin in Human Brain Tissue by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2000, 72, 3320-3326.	3.2	84
124	Using plasma proteomics to investigate viral infections of the central nervous system including patients with HIV-associated neurocognitive disorders. Journal of NeuroVirology, 0, , .	1.0	0