

Thomas A Neubert

List of Publications by Year in descending order

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161
papers

13,315
citations

26630

56
h-index

25787

108
g-index

168
all docs

168
docs citations

168
times ranked

20630
citing authors

#	ARTICLE	IF	CITATIONS
1	Multi-site assessment of the precision and reproducibility of multiple reaction monitoring-based measurements of proteins in plasma. <i>Nature Biotechnology</i> , 2009, 27, 633-641.	17.5	958
2	The minimum information about a proteomics experiment (MIAPE). <i>Nature Biotechnology</i> , 2007, 25, 887-893.	17.5	694
3	Repeatability and Reproducibility in Proteomic Identifications by Liquid Chromatography-Tandem Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 761-776.	3.7	505
4	The molecular basis for selective inhibition of unconventional mRNA splicing by an IRE1-binding small molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E869-78.	7.1	476
5	Molecular Insights into the Klotho-Dependent, Endocrine Mode of Action of Fibroblast Growth Factor 19 Subfamily Members. <i>Molecular and Cellular Biology</i> , 2007, 27, 3417-3428.	2.3	457
6	The Matrix Peptide Exporter HAF-1 Signals a Mitochondrial UPR by Activating the Transcription Factor ZC376.7 in <i>C. elegans</i> . <i>Molecular Cell</i> , 2010, 37, 529-540.	9.7	432
7	Phosphorylation of the PRC2 component Ezh2 is cell cycle-regulated and up-regulates its binding to ncRNA. <i>Genes and Development</i> , 2010, 24, 2615-2620.	5.9	336
8	The CD26-Related Dipeptidyl Aminopeptidase-like Protein DPPX Is a Critical Component of Neuronal A-Type K ⁺ Channels. <i>Neuron</i> , 2003, 37, 449-461.	8.1	324
9	Identification and Verification of Novel Rodent Postsynaptic Density Proteins. <i>Molecular and Cellular Proteomics</i> , 2004, 3, 857-871.	3.8	275
10	Oxidative Protein Folding by an Endoplasmic Reticulum-Localized Peroxiredoxin. <i>Molecular Cell</i> , 2010, 40, 787-797.	9.7	269
11	The Target of the NSD Family of Histone Lysine Methyltransferases Depends on the Nature of the Substrate. <i>Journal of Biological Chemistry</i> , 2009, 284, 34283-34295.	3.4	257
12	The pseudokinase domain of JAK2 is a dual-specificity protein kinase that negatively regulates cytokine signaling. <i>Nature Structural and Molecular Biology</i> , 2011, 18, 971-976.	8.2	237
13	A Molecular Brake in the Kinase Hinge Region Regulates the Activity of Receptor Tyrosine Kinases. <i>Molecular Cell</i> , 2007, 27, 717-730.	9.7	221
14	β CaMKII Shuttles Ca ²⁺ /CaM to the Nucleus to Trigger CREB Phosphorylation and Gene Expression. <i>Cell</i> , 2014, 159, 281-294.	28.9	221
15	Canonical and alternate functions of the microRNA biogenesis machinery. <i>Genes and Development</i> , 2010, 24, 1951-1960.	5.9	203
16	Sample preparation for serum/plasma profiling and biomarker identification by mass spectrometry. <i>Journal of Chromatography A</i> , 2007, 1153, 259-276.	3.7	170
17	Performance Metrics for Liquid Chromatography-Tandem Mass Spectrometry Systems in Proteomics Analyses. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 225-241.	3.8	167
18	Ionotropic Glutamate Receptors IR64a and IR8a Form a Functional Odorant Receptor Complex In Vivo in <i>Drosophila</i> . <i>Journal of Neuroscience</i> , 2013, 33, 10741-10749.	3.6	167

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19	Neuronal Growth Cone Retraction Relies on Proneurotrophin Receptor Signaling Through Rac. <i>Science Signaling</i> , 2011, 4, ra82.	3.6	156
20	Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , 2008, 26, 164-167.	17.5	155
21	Large-Scale Interlaboratory Study to Develop, Analytically Validate and Apply Highly Multiplexed, Quantitative Peptide Assays to Measure Cancer-Relevant Proteins in Plasma. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 2357-2374.	3.8	153
22	Interlaboratory Study Characterizing a Yeast Performance Standard for Benchmarking LC-MS Platform Performance. <i>Molecular and Cellular Proteomics</i> , 2010, 9, 242-254.	3.8	148
23	Facilitated Forward Chemical Genetics Using a Tagged Triazine Library and Zebrafish Embryo Screening. <i>Journal of the American Chemical Society</i> , 2003, 125, 11804-11805.	13.7	138
24	Post-translational Proteolytic Processing of the Calcium-independent Receptor of Î±-Latrotoxin (CIRL), a Natural Chimera of the Cell Adhesion Protein and the G Protein-coupled Receptor. <i>Journal of Biological Chemistry</i> , 2002, 277, 46518-46526.	3.4	129
25	Mitovesicles are a novel population of extracellular vesicles of mitochondrial origin altered in Down syndrome. <i>Science Advances</i> , 2021, 7, .	10.3	127
26	Definitive Identification of Mammalian 5-Hydroxymethyluracil DNA N-Glycosylase Activity as SMUG1. <i>Journal of Biological Chemistry</i> , 2001, 276, 41991-41997.	3.4	125
27	Crystal Structure of the MuSK Tyrosine Kinase. <i>Structure</i> , 2002, 10, 1187-1196.	3.3	122
28	Crystal Structure of a Fibroblast Growth Factor Homologous Factor (FHF) Defines a Conserved Surface on FHF for Binding and Modulation of Voltage-gated Sodium Channels. <i>Journal of Biological Chemistry</i> , 2009, 284, 17883-17896.	3.4	121
29	Stable Isotopic Labeling by Amino Acids in Cultured Primary Neurons. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1067-1076.	3.8	120
30	Proteomic Analysis of Exfoliation Deposits. , 2007, 48, 1447.		119
31	The N550K/H Mutations in FGFR2 Confer Differential Resistance to PD173074, Dovitinib, and Ponatinib ATP-Competitive Inhibitors. <i>Neoplasia</i> , 2013, 15, 975-IN30.	5.3	116
32	Sequential Amyloid-Î² Degradation by the Matrix Metalloproteases MMP-2 and MMP-9. <i>Journal of Biological Chemistry</i> , 2015, 290, 15078-15091.	3.4	107
33	Mass Spectrometric Analysis of GAP-43/Neuromodulin Reveals the Presence of a Variety of Fatty Acylated Species. <i>Journal of Biological Chemistry</i> , 2002, 277, 33032-33040.	3.4	100
34	Design, Implementation and Multisite Evaluation of a System Suitability Protocol for the Quantitative Assessment of Instrument Performance in Liquid Chromatography-Multiple Reaction Monitoring-MS (LC-MRM-MS). <i>Molecular and Cellular Proteomics</i> , 2013, 12, 2623-2639.	3.8	100
35	Loss of protein association causes cardiolipin degradation in Barth syndrome. <i>Nature Chemical Biology</i> , 2016, 12, 641-647.	8.0	99
36	A glucose-sensing neuron pair regulates insulin and glucagon in <i>Drosophila</i> . <i>Nature</i> , 2019, 574, 559-564.	27.8	99

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37	Proteasomal adaptation to environmental stress links resistance to proteotoxicity with longevity in <i>Caenorhabditis elegans</i> . Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7094-7099.	7.1	96
38	Low-Grade Astrocytoma Mutations in IDH1, P53, and ATRX Cooperate to Block Differentiation of Human Neural Stem Cells via Repression of SOX2. Cell Reports, 2017, 21, 1267-1280.	6.4	95
39	Structural and biochemical characterization of the KRLB region in insulin receptor substrate-2. Nature Structural and Molecular Biology, 2008, 15, 251-258.	8.2	94
40	Dok-7 regulates neuromuscular synapse formation by recruiting Crk and Crk-L. Genes and Development, 2010, 24, 2451-2461.	5.9	93
41	Brain-Derived Neurotrophic Factor Signaling Rewrites the Glucocorticoid Transcriptome via Glucocorticoid Receptor Phosphorylation. Molecular and Cellular Biology, 2013, 33, 3700-3714.	2.3	93
42	Rare, Structurally Homologous Self-Peptides Promote Thymocyte Positive Selection. Immunity, 2002, 17, 131-142.	14.3	90
43	Cleavage of p75 Neurotrophin Receptor by $\hat{1}$ -Secretase and $\hat{3}$ -Secretase Requires Specific Receptor Domains. Journal of Biological Chemistry, 2005, 280, 14563-14571.	3.4	90
44	Identifying transient protein-protein interactions in EphB2 signaling by blue native PAGE and mass spectrometry. Proteomics, 2011, 11, 4514-4528.	2.2	85
45	Enhanced exosome secretion in Down syndrome brain - a protective mechanism to alleviate neuronal endosomal abnormalities. Acta Neuropathologica Communications, 2017, 5, 65.	5.2	85
46	Guidelines for reporting the use of mass spectrometry in proteomics. Nature Biotechnology, 2008, 26, 860-861.	17.5	82
47	Quantitative Phosphotyrosine Proteomics of EphB2 Signaling by Stable Isotope Labeling with Amino Acids in Cell Culture (SILAC). Journal of Proteome Research, 2006, 5, 581-588.	3.7	81
48	A Non-canonical BCOR-PRC1.1 Complex Represses Differentiation Programs in Human ESCs. Cell Stem Cell, 2018, 22, 235-251.e9.	11.1	80
49	4E-BP is a target of the GCN2-ATF4 pathway during <i>Drosophila</i> development and aging. Journal of Cell Biology, 2017, 216, 115-129.	5.2	74
50	Systemic Amyloid Deposits in Familial British Dementia. Journal of Biological Chemistry, 2001, 276, 43909-43914.	3.4	73
51	Characterization of phosphopeptides from protein digests using matrix-assisted laser desorption/ionization time-of-flight mass spectrometry and nanoelectrospray quadrupole time-of-flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2001, 15, 1693-1700.	1.5	72
52	Phosphorylation of Liver X Receptor $\hat{1}$ Selectively Regulates Target Gene Expression in Macrophages. Molecular and Cellular Biology, 2008, 28, 2626-2636.	2.3	72
53	Identification and Characterization of a Novel Nuclear Protein Complex Involved in Nuclear Hormone Receptor-mediated Gene Regulation. Journal of Biological Chemistry, 2009, 284, 7542-7552.	3.4	71
54	Uncoupling the Mitogenic and Metabolic Functions of FGF1 by Tuning FGF1-FGF Receptor Dimer Stability. Cell Reports, 2017, 20, 1717-1728.	6.4	71

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55	Dephosphorylation of Tyrosine 393 in Argonaute 2 by Protein Tyrosine Phosphatase 1B Regulates Gene Silencing in Oncogenic RAS-Induced Senescence. <i>Molecular Cell</i> , 2014, 55, 782-790.	9.7	65
56	The N-terminal SH4 Region of the Src Family Kinase Fyn Is Modified by Methylation and Heterogeneous Fatty Acylation. <i>Journal of Biological Chemistry</i> , 2004, 279, 8133-8139.	3.4	63
57	Antipsychotics Activate mTORC1-Dependent Translation to Enhance Neuronal Morphological Complexity. <i>Science Signaling</i> , 2014, 7, ra4.	3.6	62
58	A crystallographic snapshot of tyrosine <i>trans</i> -phosphorylation in action. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 19660-19665.	7.1	61
59	Dppa2/4 Facilitate Epigenetic Remodeling during Reprogramming to Pluripotency. <i>Cell Stem Cell</i> , 2018, 23, 396-411.e8.	11.1	61
60	Familial Danish Dementia. <i>Journal of Biological Chemistry</i> , 2005, 280, 36883-36894.	3.4	59
61	Protein Quantitation Using Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2010, 673, 211-222.	0.9	59
62	Characterization of Tafazzin Splice Variants from Humans and Fruit Flies. <i>Journal of Biological Chemistry</i> , 2009, 284, 29230-29239.	3.4	55
63	RNA Binding Proteins Accumulate at the Postsynaptic Density with Synaptic Activity. <i>Journal of Neuroscience</i> , 2012, 32, 599-609.	3.6	54
64	Extracellular phosphorylation of a receptor tyrosine kinase controls synaptic localization of NMDA receptors and regulates pathological pain. <i>PLoS Biology</i> , 2017, 15, e2002457.	5.6	54
65	A Novel Transcription Complex That Selectively Modulates Apoptosis of Breast Cancer Cells through Regulation of FASTKD2. <i>Molecular and Cellular Biology</i> , 2011, 31, 2287-2298.	2.3	53
66	A β ² truncated species: Implications for brain clearance mechanisms and amyloid plaque deposition. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 208-225.	3.8	53
67	Use of Nitrocellulose Membranes for Protein Characterization by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2006, 78, 5102-5108.	6.5	52
68	Deep Coverage of Global Protein Expression and Phosphorylation in Breast Tumor Cell Lines Using TMT 10-plex Isobaric Labeling. <i>Journal of Proteome Research</i> , 2017, 16, 1121-1132.	3.7	51
69	Evaluation of the Variation in Sample Preparation for Comparative Proteomics Using Stable Isotope Labeling by Amino Acids in Cell Culture. <i>Journal of Proteome Research</i> , 2009, 8, 1285-1292.	3.7	50
70	Proteomic Analysis of Pancreatic Zymogen Granules: Identification of New Granule Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 2978-2992.	3.7	49
71	Iowa Variant of Familial Alzheimer's Disease. <i>American Journal of Pathology</i> , 2010, 176, 1841-1854.	3.8	49
72	Identification of Phosphopeptides by MALDI Q-TOF MS in Positive and Negative Ion Modes after Methyl Esterification. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 809-818.	3.8	48

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73	Two FGF Receptor Kinase Molecules Act in Concert to Recruit and Transphosphorylate Phospholipase C β . <i>Molecular Cell</i> , 2016, 61, 98-110.	9.7	48
74	BONLAC: A combinatorial proteomic technique to measure stimulus-induced translational profiles in brain slices. <i>Neuropharmacology</i> , 2016, 100, 76-89.	4.1	47
75	Analysis of Electrobotted Proteins by Mass Spectrometry: Protein Identification after Western Blotting. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 308-314.	3.8	46
76	Cardiac ATP-sensitive K ⁺ channel associates with the glycolytic enzyme complex. <i>FASEB Journal</i> , 2011, 25, 2456-2467.	0.5	46
77	The epichaperome is a mediator of toxic hippocampal stress and leads to protein connectivity-based dysfunction. <i>Nature Communications</i> , 2020, 11, 319.	12.8	46
78	In-Depth Quantitative Proteomic Analysis of de Novo Protein Synthesis Induced by Brain-Derived Neurotrophic Factor. <i>Journal of Proteome Research</i> , 2014, 13, 5707-5714.	3.7	45
79	Homodimerization Controls the Fibroblast Growth Factor 9 Subfamily's Receptor Binding and Heparan Sulfate-Dependent Diffusion in the Extracellular Matrix. <i>Molecular and Cellular Biology</i> , 2009, 29, 4663-4678.	2.3	44
80	Overview of Peptide and Protein Analysis by Mass Spectrometry. <i>Current Protocols in Protein Science</i> , 2010, 62, Unit16.1.	2.8	44
81	Cracking the Molecular Origin of Intrinsic Tyrosine Kinase Activity through Analysis of Pathogenic Gain-of-Function Mutations. <i>Cell Reports</i> , 2013, 4, 376-384.	6.4	44
82	DFG-out Mode of Inhibition by an Irreversible Type-1 Inhibitor Capable of Overcoming Gate-Keeper Mutations in FGF Receptors. <i>ACS Chemical Biology</i> , 2015, 10, 299-309.	3.4	44
83	Neuronal Inactivity Co-opts LTP Machinery to Drive Potassium Channel Splicing and Homeostatic Spike Widening. <i>Cell</i> , 2020, 181, 1547-1565.e15.	28.9	44
84	Protein-tyrosine Phosphatase- λ Is a Novel Member of the Functional Family of α -Latrotoxin Receptors. <i>Journal of Biological Chemistry</i> , 2002, 277, 35887-35895.	3.4	43
85	Matrix Metalloproteinase 2 (MMP-2) Degrades Soluble Vasculotropic Amyloid- β E22Q and L34V Mutants, Delaying Their Toxicity for Human Brain Microvascular Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2010, 285, 27144-27158.	3.4	43
86	Brain-Derived Neurotrophic Factor Signaling Rewrites the Glucocorticoid Transcriptome via Glucocorticoid Receptor Phosphorylation. <i>Molecular and Cellular Biology</i> , 2013, 33, 4138-4138.	2.3	42
87	ABRF Proteome Informatics Research Group (iPRG) 2015 Study: Detection of Differentially Abundant Proteins in Label-Free Quantitative LC-MS/MS Experiments. <i>Journal of Proteome Research</i> , 2017, 16, 945-957.	3.7	42
88	Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC) for Quantitative Proteomics. <i>Advances in Experimental Medicine and Biology</i> , 2019, 1140, 531-539.	1.6	41
89	Automated Comparative Proteomics Based on Multiplex Tandem Mass Spectrometry and Stable Isotope Labeling. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 401-411.	3.8	40
90	HSP90-incorporating chaperome networks as biosensor for disease-related pathways in patient-specific midbrain dopamine neurons. <i>Nature Communications</i> , 2018, 9, 4345.	12.8	40

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91	Structural Mimicry of A-Loop Tyrosine Phosphorylation by a Pathogenic FGF Receptor 3 Mutation. <i>Structure</i> , 2013, 21, 1889-1896.	3.3	39
92	Use of detergents to increase selectivity of immunoprecipitation of tyrosine phosphorylated peptides prior to identification by MALDI quadrupole-TOF MS. <i>Proteomics</i> , 2006, 6, 571-578.	2.2	38
93	Characterization by tandem mass spectrometry of stable cysteine sulfenic acid in a cysteine switch peptide of matrix metalloproteinases. <i>Journal of the American Society for Mass Spectrometry</i> , 2007, 18, 1544-1551.	2.8	38
94	Thioredoxin-related Protein 32 Is an Arsenite-regulated Thiol Reductase of the Proteasome 19 S Particle. <i>Journal of Biological Chemistry</i> , 2009, 284, 15233-15245.	3.4	38
95	Edaravone leads to proteome changes indicative of neuronal cell protection in response to oxidative stress. <i>Neurochemistry International</i> , 2015, 90, 134-141.	3.8	38
96	Elucidation of a four-site allosteric network in fibroblast growth factor receptor tyrosine kinases. <i>ELife</i> , 2017, 6, .	6.0	38
97	Tau antibody chimerization alters its charge and binding, thereby reducing its cellular uptake and efficacy. <i>EBioMedicine</i> , 2019, 42, 157-173.	6.1	38
98	Study of Neurotrophin-3 Signaling in Primary Cultured Neurons using Multiplex Stable Isotope Labeling with Amino Acids in Cell Culture. <i>Journal of Proteome Research</i> , 2011, 10, 2546-2554.	3.7	37
99	Use of Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC) for Phosphotyrosine Protein Identification and Quantitation. <i>Methods in Molecular Biology</i> , 2009, 527, 79-92.	0.9	35
100	In vivo Differential Brain Clearance and Catabolism of Monomeric and Oligomeric Alzheimer's A β 2 protein. <i>Frontiers in Aging Neuroscience</i> , 2016, 8, 223.	3.4	34
101	Comparative pathobiology of A β -amyloid and the unique susceptibility of humans to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 44, 185-196.	3.1	34
102	MACF1 links Rapsyn to microtubule- and actin-binding proteins to maintain neuromuscular synapses. <i>Journal of Cell Biology</i> , 2019, 218, 1686-1705.	5.2	34
103	Extramitochondrial cardiolipin suggests a novel function of mitochondria in spermatogenesis. <i>Journal of Cell Biology</i> , 2019, 218, 1491-1502.	5.2	33
104	Sample Preparation for Relative Quantitation of Proteins Using Tandem Mass Tags (TMT) and Mass Spectrometry (MS). <i>Methods in Molecular Biology</i> , 2018, 1741, 135-149.	0.9	32
105	Molecular Stressors Engender Protein Connectivity Dysfunction through Aberrant N-Glycosylation of a Chaperone. <i>Cell Reports</i> , 2020, 31, 107840.	6.4	32
106	The vimentin intermediate filament network restrains regulatory T cell suppression of graft-versus-host disease. <i>Journal of Clinical Investigation</i> , 2018, 128, 4604-4621.	8.2	32
107	ABRF-PRG03: phosphorylation site determination. <i>Journal of Biomolecular Techniques</i> , 2003, 14, 205-15.	1.5	32
108	Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC) for Quantitative Proteomics. <i>Advances in Experimental Medicine and Biology</i> , 2014, 806, 93-106.	1.6	31

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109	Quantitative Comparison of Proteomes Using SILAC. <i>Current Protocols in Protein Science</i> , 2019, 95, e74.	2.8	31
110	Molecular basis for receptor tyrosine kinase A-loop tyrosine transphosphorylation. <i>Nature Chemical Biology</i> , 2020, 16, 267-277.	8.0	31
111	Sorbs1 and -2 Interact with CrkL and Are Required for Acetylcholine Receptor Cluster Formation. <i>Molecular and Cellular Biology</i> , 2016, 36, 262-270.	2.3	29
112	Proteome analysis reveals roles of L-DOPA in response to oxidative stress in neurons. <i>BMC Neuroscience</i> , 2014, 15, 93.	1.9	28
113	Super-SILAC for tumors and tissues. <i>Nature Methods</i> , 2010, 7, 361-362.	19.0	27
114	Recombinant derivatives of botulinum neurotoxin A engineered for trafficking studies and neuronal delivery. <i>Protein Expression and Purification</i> , 2010, 71, 62-73.	1.3	27
115	Combinatory microRNA serum signatures as classifiers of Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 64, 202-210.	2.2	27
116	Altered steady state and activity-dependent de novo protein expression in fragile X syndrome. <i>Nature Communications</i> , 2019, 10, 1710.	12.8	27
117	Screening for EphB Signaling Effectors Using SILAC with a Linear Ion Trap-Orbitrap Mass Spectrometer. <i>Journal of Proteome Research</i> , 2008, 7, 4715-4726.	3.7	26
118	Comparison of Three Quantitative Phosphoproteomic Strategies to Study Receptor Tyrosine Kinase Signaling. <i>Journal of Proteome Research</i> , 2011, 10, 5454-5462.	3.7	26
119	Myristoylation of the dual-specificity phosphatase c-Jun N-terminal kinase (JNK) stimulatory phosphatase 1 is necessary for its activation of JNK signaling and apoptosis. <i>FEBS Journal</i> , 2010, 277, 2463-2473.	4.7	23
120	Comparison of cardiolipins from <i>Drosophila</i> strains with mutations in putative remodeling enzymes. <i>Chemistry and Physics of Lipids</i> , 2012, 165, 512-519.	3.2	23
121	Selective Enrichment and Fractionation of Phosphopeptides from Peptide Mixtures by Isoelectric Focusing after Methyl Esterification. <i>Analytical Chemistry</i> , 2007, 79, 2007-2014.	6.5	22
122	Monitoring calcium-induced conformational changes in recoverin by electrospray mass spectrometry. <i>Protein Science</i> , 1997, 6, 843-850.	7.6	20
123	Characterization of novel oxidation products of cysteine in an active site motif peptide of PTP1B. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 1540-1548.	2.8	20
124	Proteome Informatics Research Group (iPRG)_2012: A Study on Detecting Modified Peptides in a Complex Mixture. <i>Molecular and Cellular Proteomics</i> , 2014, 13, 360-371.	3.8	20
125	Haploinsufficiency in the ANKS1B gene encoding AIDA-1 leads to a neurodevelopmental syndrome. <i>Nature Communications</i> , 2019, 10, 3529.	12.8	20
126	Cardiolipin remodeling enables protein crowding in the inner mitochondrial membrane. <i>EMBO Journal</i> , 2021, 40, e108428.	7.8	20

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127	Age-dependent shift in the de novo proteome accompanies pathogenesis in an Alzheimer's disease mouse model. <i>Communications Biology</i> , 2021, 4, 823.	4.4	19
128	Lipidome-wide ¹³ C flux analysis: a novel tool to estimate the turnover of lipids in organisms and cultures. <i>Journal of Lipid Research</i> , 2020, 61, 95-104.	4.2	18
129	Functional heterogeneity of transducin $\hat{\pm}$ subunits. <i>FEBS Letters</i> , 1998, 422, 343-345.	2.8	17
130	Sequencing of oxidized methionine-containing peptides for protein identification. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 2080-2081.	1.5	17
131	Comparative proteomic analysis of the $\langle \text{scp} \rangle \text{ATP} \langle / \text{scp} \rangle$ -sensitive $\langle \text{scp} \rangle \text{K} \langle / \text{scp} \rangle$ $\langle \text{sup} \rangle + \langle / \text{sup} \rangle$ channel complex in different tissue types. <i>Proteomics</i> , 2013, 13, 368-378.	2.2	16
132	Serine phosphorylation regulates the P-type potassium pump KdpFABC. <i>ELife</i> , 2020, 9, .	6.0	16
133	Cutting Edge: Positive Selection Induced by a Self-Peptide with TCR Antagonist Activity. <i>Journal of Immunology</i> , 2001, 167, 6092-6095.	0.8	15
134	Pertussis toxin expression in <i>Drosophila</i> alters the visual response and blocks eating behaviour. <i>Cellular Signalling</i> , 1993, 5, 187-207.	3.6	14
135	MIRG Survey 2011: Snapshot of Rapidly Evolving Label-Free Technologies Used for Characterizing Molecular Interactions. <i>Journal of Biomolecular Techniques</i> , 2012, 23, 94-100.	1.5	14
136	Calsyntenins Are Secretory Granule Proteins in Anterior Pituitary Gland and Pancreatic Islet $\hat{\pm}$ Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 381-388.	2.5	12
137	Disease-specific interactome alterations via epichaperomics: the case for Alzheimer's disease. <i>FEBS Journal</i> , 2022, 289, 2047-2066.	4.7	12
138	ABRF-PRG04: differentiation of protein isoforms. <i>Journal of Biomolecular Techniques</i> , 2007, 18, 124-34.	1.5	12
139	Phase 0 Clinical Trial of Everolimus in Patients with Vestibular Schwannoma or Meningioma. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 1584-1591.	4.1	11
140	Pharmacologically controlling protein-protein interactions through epichaperomes for therapeutic vulnerability in cancer. <i>Communications Biology</i> , 2021, 4, 1333.	4.4	11
141	Cytoplasmic, full length and novel cleaved variant, TBLR1 reduces apoptosis in prostate cancer under androgen deprivation. <i>Oncotarget</i> , 2016, 7, 39556-39571.	1.8	10
142	Isoflurane Inhibits Cyclic Adenosine Monophosphate Response Element-Binding Protein Phosphorylation and Calmodulin Translocation to the Nucleus of SH-SY5Y Cells. <i>Anesthesia and Analgesia</i> , 2009, 109, 1127-1134.	2.2	9
143	The ABRF Metabolomics Research Group 2013 Study: Investigation of Spiked Compound Differences in a Human Plasma Matrix. <i>Journal of Biomolecular Techniques</i> , 2015, 26, 83-89.	1.5	9
144	A novel requirement for DROSHA in maintenance of mammalian CG methylation. <i>Nucleic Acids Research</i> , 2017, 45, 9398-9412.	14.5	9

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145	Subcellular Parkinson's Disease-Specific Alpha-Synuclein Species Show Altered Behavior in Neurodegeneration. <i>Molecular Neurobiology</i> , 2017, 54, 7639-7655.	4.0	9
146	Sam68 Enables Metabotropic Glutamate Receptor-Dependent LTD in Distal Dendritic Regions of CA1 Hippocampal Neurons. <i>Cell Reports</i> , 2019, 29, 1789-1799.e6.	6.4	9
147	Metabolomic Analysis of Glioma Cells Using Nanoflow Liquid Chromatography-Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2018, 1741, 125-134.	0.9	8
148	Unveiling Brain A β Heterogeneity Through Targeted Proteomic Analysis. <i>Methods in Molecular Biology</i> , 2018, 1779, 23-43.	0.9	8
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