

Thomas A Neubert

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Disease-specific interactome alterations via epichaperomics: the case for Alzheimer's disease. <i>FEBS Journal</i> , 2022, 289, 2047-2066. | 4.7 | 12 |
| 2 | Condensed Mitochondria Assemble Into the Acrosomal Matrix During Spermiogenesis. <i>Frontiers in Cell and Developmental Biology</i> , 2022, 10, 867175. | 3.7 | 5 |
| 3 | Mitovesicles are a novel population of extracellular vesicles of mitochondrial origin altered in Down syndrome. <i>Science Advances</i> , 2021, 7, . | 10.3 | 127 |
| 4 | 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 |
| 5 | 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 |
| 6 | Cardiolipin remodeling enables protein crowding in the inner mitochondrial membrane. <i>EMBO Journal</i> , 2021, 40, e108428. | 7.8 | 20 |
| 7 | Pharmacologically controlling protein-protein interactions through epichaperomes for therapeutic vulnerability in cancer. <i>Communications Biology</i> , 2021, 4, 1333. | 4.4 | 11 |
| 8 | Lipidome-wide 13C 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 |
| 9 | Zinc induced structural changes in the intrinsically disordered BDNF Met prodomain confer synaptic elimination. <i>Metalomics</i> , 2020, 12, 1208-1219. | 2.4 | 6 |
| 10 | 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 |
| 11 | Molecular Stressors Engender Protein Connectivity Dysfunction through Aberrant N-Glycosylation of a Chaperone. <i>Cell Reports</i> , 2020, 31, 107840. | 6.4 | 32 |
| 12 | 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 |
| 13 | Molecular basis for receptor tyrosine kinase A-loop tyrosine transphosphorylation. <i>Nature Chemical Biology</i> , 2020, 16, 267-277. | 8.0 | 31 |
| 14 | Serine phosphorylation regulates the P-type potassium pump KdpFABC. <i>ELife</i> , 2020, 9, . | 6.0 | 16 |
| 15 | Haploinsufficiency in the ANKS1B gene encoding AIDA-1 leads to a neurodevelopmental syndrome. <i>Nature Communications</i> , 2019, 10, 3529. | 12.8 | 20 |
| 16 | Vezeatin is required for the maturation of the neuromuscular synapse. <i>Molecular Biology of the Cell</i> , 2019, 30, 2571-2583. | 2.1 | 8 |
| 17 | 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 |
| 18 | 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 |

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|----|---|------|-----------|
| 19 | 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 |
| 20 | 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 |
| 21 | Extramitochondrial cardiolipin suggests a novel function of mitochondria in spermatogenesis. <i>Journal of Cell Biology</i> , 2019, 218, 1491-1502. | 5.2 | 33 |
| 22 | Combinatory microRNA serum signatures as classifiers of Parkinson's disease. <i>Parkinsonism and Related Disorders</i> , 2019, 64, 202-210. | 2.2 | 27 |
| 23 | Altered steady state and activity-dependent de novo protein expression in fragile X syndrome. <i>Nature Communications</i> , 2019, 10, 1710. | 12.8 | 27 |
| 24 | A glucose-sensing neuron pair regulates insulin and glucagon in <i>Drosophila</i> . <i>Nature</i> , 2019, 574, 559-564. | 27.8 | 99 |
| 25 | Quantitative Comparison of Proteomes Using SILAC. <i>Current Protocols in Protein Science</i> , 2019, 95, e74. | 2.8 | 31 |
| 26 | Communicating the nutritional value of sugar in <i>Drosophila</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E2829-E2838. | 7.1 | 6 |
| 27 | 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 |
| 28 | 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 |
| 29 | A Non-canonical BCOR-PRC1.1 Complex Represses Differentiation Programs in Human ESCs. <i>Cell Stem Cell</i> , 2018, 22, 235-251.e9. | 11.1 | 80 |
| 30 | 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 |
| 31 | 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 |
| 32 | Dppa2/4 Facilitate Epigenetic Remodeling during Reprogramming to Pluripotency. <i>Cell Stem Cell</i> , 2018, 23, 396-411.e8. | 11.1 | 61 |
| 33 | Unveiling Brain A β ² Heterogeneity Through Targeted Proteomic Analysis. <i>Methods in Molecular Biology</i> , 2018, 1779, 23-43. | 0.9 | 8 |
| 34 | 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 |
| 35 | 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 |
| 36 | 4E-BP is a target of the GCN2-ATF4 pathway during <i>Drosophila</i> development and aging. <i>Journal of Cell Biology</i> , 2017, 216, 115-129. | 5.2 | 74 |

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|----|---|------|-----------|
| 37 | 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 |
| 38 | Low-Grade Astrocytoma Mutations in IDH1, P53, and ATRX Cooperate to Block Differentiation of Human Neural Stem Cells via Repression of SOX2. <i>Cell Reports</i> , 2017, 21, 1267-1280. | 6.4 | 95 |
| 39 | A novel requirement for DROSHA in maintenance of mammalian CG methylation. <i>Nucleic Acids Research</i> , 2017, 45, 9398-9412. | 14.5 | 9 |
| 40 | Uncoupling the Mitogenic and Metabolic Functions of FGF1 by Tuning FGF1-FGF Receptor Dimer Stability. <i>Cell Reports</i> , 2017, 20, 1717-1728. | 6.4 | 71 |
| 41 | Endothelium-Independent Primitive Myxoid Vascularization Creates Invertebrate-Like Channels to Maintain Blood Supply in Optic Gliomas. <i>American Journal of Pathology</i> , 2017, 187, 1867-1878. | 3.8 | 4 |
| 42 | Subcellular Parkinson's Disease-Specific Alpha-Synuclein Species Show Altered Behavior in Neurodegeneration. <i>Molecular Neurobiology</i> , 2017, 54, 7639-7655. | 4.0 | 9 |
| 43 | Elucidation of a four-site allosteric network in fibroblast growth factor receptor tyrosine kinases. <i>ELife</i> , 2017, 6, . | 6.0 | 38 |
| 44 | 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 |
| 45 | Enhanced exosome secretion in Down syndrome brain - a protective mechanism to alleviate neuronal endosomal abnormalities. <i>Acta Neuropathologica Communications</i> , 2017, 5, 65. | 5.2 | 85 |
| 46 | Sex-Specific Differences in Oxytocin Receptor Expression and Function for Parental Behavior. , 2017, 1, 1-25. | 0.8 | 6 |
| 47 | 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 |
| 48 | Loss of protein association causes cardiolipin degradation in Barth syndrome. <i>Nature Chemical Biology</i> , 2016, 12, 641-647. | 8.0 | 99 |
| 49 | Comparative pathobiology of β 2-amyloid and the unique susceptibility of humans to Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 44, 185-196. | 3.1 | 34 |
| 50 | Two FGF Receptor Kinase Molecules Act in Concert to Recruit and Transphosphorylate Phospholipase C β 3. <i>Molecular Cell</i> , 2016, 61, 98-110. | 9.7 | 48 |
| 51 | 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 |
| 52 | BONLAC: A combinatorial proteomic technique to measure stimulus-induced translational profiles in brain slices. <i>Neuropharmacology</i> , 2016, 100, 76-89. | 4.1 | 47 |
| 53 | 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 |
| 54 | 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 |

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|----|--|------|-----------|
| 55 | Phosphorylation Site Profiling of NG108 Cells Using Quadrupole-Orbitrap Mass Spectrometry. <i>Neuromethods</i> , 2015, , 127-141. | 0.3 | 2 |
| 56 | 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 |
| 57 | Sequential Amyloid- β Degradation by the Matrix Metalloproteases MMP-2 and MMP-9. <i>Journal of Biological Chemistry</i> , 2015, 290, 15078-15091. | 3.4 | 107 |
| 58 | 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 |
| 59 | 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 |
| 60 | Protein Kinase C-Theta Interacts with mTORC2 and Vimentin to Limit Regulatory T-Cell Function. <i>Blood</i> , 2015, 126, 849-849. | 1.4 | 0 |
| 61 | 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 |
| 62 | 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 |
| 63 | Antipsychotics Activate mTORC1-Dependent Translation to Enhance Neuronal Morphological Complexity. <i>Science Signaling</i> , 2014, 7, ra4. | 3.6 | 62 |
| 64 | ^{45}Ca 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 |
| 65 | 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 |
| 66 | Proteome analysis reveals roles of L-DOPA in response to oxidative stress in neurons. <i>BMC Neuroscience</i> , 2014, 15, 93. | 1.9 | 28 |
| 67 | 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 |
| 68 | Stable Isotope Labeling by Amino Acids in Cultured Primary Neurons. <i>Methods in Molecular Biology</i> , 2014, 1188, 57-64. | 0.9 | 8 |
| 69 | 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 |
| 70 | 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 |
| 71 | Comparative proteomic analysis of the ATP -sensitive K^{+} channel complex in different tissue types. <i>Proteomics</i> , 2013, 13, 368-378. | 2.2 | 16 |
| 72 | Structural Mimicry of A-Loop Tyrosine Phosphorylation by a Pathogenic FGF Receptor 3 Mutation. <i>Structure</i> , 2013, 21, 1889-1896. | 3.3 | 39 |

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|----|--|------|-----------|
| 73 | 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 |
| 74 | Brain-Derived Neurotrophic Factor Signaling Rewrites the Glucocorticoid Transcriptome via Glucocorticoid Receptor Phosphorylation. <i>Molecular and Cellular Biology</i> , 2013, 33, 3700-3714. | 2.3 | 93 |
| 75 | 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 |
| 76 | 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 |
| 77 | 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 |
| 78 | RNA Binding Proteins Accumulate at the Postsynaptic Density with Synaptic Activity. <i>Journal of Neuroscience</i> , 2012, 32, 599-609. | 3.6 | 54 |
| 79 | 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 |
| 80 | 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 |
| 81 | 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 |
| 82 | 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 |
| 83 | 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 |
| 84 | Neuronal Growth Cone Retraction Relies on Proneurotrophin Receptor Signaling Through Rac. <i>Science Signaling</i> , 2011, 4, ra82. | 3.6 | 156 |
| 85 | Identifying transient protein-protein interactions in EphB2 signaling by blue native PAGE and mass spectrometry. <i>Proteomics</i> , 2011, 11, 4514-4528. | 2.2 | 85 |
| 86 | Cardiac ATP-sensitive K ⁺ channel associates with the glycolytic enzyme complex. <i>FASEB Journal</i> , 2011, 25, 2456-2467. | 0.5 | 46 |
| 87 | 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 |
| 88 | 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 |
| 89 | Super-SILAC for tumors and tissues. <i>Nature Methods</i> , 2010, 7, 361-362. | 19.0 | 27 |
| 90 | 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 |

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|-----|---|-----|-----------|
| 91 | Dok-7 regulates neuromuscular synapse formation by recruiting Crk and Crk-L. <i>Genes and Development</i> , 2010, 24, 2451-2461. | 5.9 | 93 |
| 92 | 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 |
| 93 | Canonical and alternate functions of the microRNA biogenesis machinery. <i>Genes and Development</i> , 2010, 24, 1951-1960. | 5.9 | 203 |
| 94 | 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 |
| 95 | Overview of Peptide and Protein Analysis by Mass Spectrometry. <i>Current Protocols in Protein Science</i> , 2010, 62, Unit16.1. | 2.8 | 44 |
| 96 | 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 |
| 97 | Oxidative Protein Folding by an Endoplasmic Reticulum-Localized Peroxiredoxin. <i>Molecular Cell</i> , 2010, 40, 787-797. | 9.7 | 269 |
| 98 | 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 |
| 99 | Protein Quantitation Using Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2010, 673, 211-222. | 0.9 | 59 |
| 100 | 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 |
| 101 | Iowa Variant of Familial Alzheimer's Disease. <i>American Journal of Pathology</i> , 2010, 176, 1841-1854. | 3.8 | 49 |
| 102 | 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 |
| 103 | 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 |
| 104 | Characterization of Tafazzin Splice Variants from Humans and Fruit Flies. <i>Journal of Biological Chemistry</i> , 2009, 284, 29230-29239. | 3.4 | 55 |
| 105 | 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 |
| 106 | Identification and Characterization of a Novel Nuclear Protein Complex Involved in Nuclear Hormone Receptor-mediated Gene Regulation. <i>Journal of Biological Chemistry</i> , 2009, 284, 7542-7552. | 3.4 | 71 |
| 107 | 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 |
| 108 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Multi-site assessment of the precision and reproducibility of multiple reaction monitoring ² -based measurements of proteins in plasma. <i>Nature Biotechnology</i> , 2009, 27, 633-641. | 17.5 | 958 |
| 110 | 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 |
| 111 | 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 |
| 112 | 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 |
| 113 | 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 |
| 114 | Human Proteinpedia enables sharing of human protein data. <i>Nature Biotechnology</i> , 2008, 26, 164-167. | 17.5 | 155 |
| 115 | Structural and biochemical characterization of the KRLB region in insulin receptor substrate-2. <i>Nature Structural and Molecular Biology</i> , 2008, 15, 251-258. | 8.2 | 94 |
| 116 | Guidelines for reporting the use of mass spectrometry in proteomics. <i>Nature Biotechnology</i> , 2008, 26, 860-861. | 17.5 | 82 |
| 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 | Use of DNA Ladders for Reproducible Protein Fractionation by Sodium Dodecyl Sulfate ² -Polyacrylamide Gel Electrophoresis (SDS ² -PAGE) for Quantitative Proteomics. <i>Journal of Proteome Research</i> , 2008, 7, 678-686. | 3.7 | 7 |
| 119 | Calsyntenins Are Secretory Granule Proteins in Anterior Pituitary Gland and Pancreatic Islet β Cells. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 381-388. | 2.5 | 12 |
| 120 | Stable Isotopic Labeling by Amino Acids in Cultured Primary Neurons. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 1067-1076. | 3.8 | 120 |
| 121 | Analysis of Electroblotted Proteins by Mass Spectrometry: Protein Identification after Western Blotting. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 308-314. | 3.8 | 46 |
| 122 | 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 |
| 123 | Proteasomal adaptation to environmental stress links resistance to proteotoxicity with longevity in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7094-7099. | 7.1 | 96 |
| 124 | Phosphorylation of Liver X Receptor β Selectively Regulates Target Gene Expression in Macrophages. <i>Molecular and Cellular Biology</i> , 2008, 28, 2626-2636. | 2.3 | 72 |
| 125 | Chapter 13 Analysis of Protein-Tyrosine Phosphorylation by Mass Spectrometry. <i>Comprehensive Analytical Chemistry</i> , 2008, 52, 297-526. | 1.3 | 1 |
| 126 | ABRF-PRG05: de novo peptide sequence determination. <i>Journal of Biomolecular Techniques</i> , 2008, 19, 251-7. | 1.5 | 8 |

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|-----|---|------|-----------|
| 127 | 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 |
| 128 | Proteomic Analysis of Exfoliation Deposits. , 2007, 48, 1447. | | 119 |
| 129 | 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 |
| 130 | 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 |
| 131 | Proteomic Analysis of Pancreatic Zymogen Granules: Identification of New Granule Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 2978-2992. | 3.7 | 49 |
| 132 | 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 |
| 133 | Characterization by tandem mass spectrometry of stable cysteine sulenic 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 |
| 134 | The minimum information about a proteomics experiment (MIAPE). <i>Nature Biotechnology</i> , 2007, 25, 887-893. | 17.5 | 694 |
| 135 | ABRF-PRG04: differentiation of protein isoforms. <i>Journal of Biomolecular Techniques</i> , 2007, 18, 124-34. | 1.5 | 12 |
| 136 | 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 |
| 137 | Quantitative Phosphotyrosine Proteomics of EphB2 Signaling by Stable Isotope Labeling with Amino Acids in Cell Culture (SILAC). <i>Journal of Proteome Research</i> , 2006, 5, 581-588. | 3.7 | 81 |
| 138 | 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 |
| 139 | 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 |
| 140 | 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 |
| 141 | Cleavage of p75 Neurotrophin Receptor by $\hat{1}\pm$ -Secretase and $\hat{1}^3$ -Secretase Requires Specific Receptor Domains. <i>Journal of Biological Chemistry</i> , 2005, 280, 14563-14571. | 3.4 | 90 |
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