

Yu-Ju Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

208
papers

6,457
citations

48
h-index

69
g-index

229
ext. papers

7,467
ext. citations

6.6
avg, IF

5.4
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 208 | Streamlined single-cell proteomics by an integrated microfluidic chip and data-independent acquisition mass spectrometry.. <i>Nature Communications</i> , 2022 , 13, 37 | 17.4 | 12 |
| 207 | Kinase Sensing Based on Protein Interactions at the Catalytic Site.. <i>Chemistry - A European Journal</i> , 2022 , 28, e202200655 | 4.8 | |
| 206 | Electrochemical biosensors based on peptide-kinase interactions at the kinase docking site.. <i>Biosensors and Bioelectronics</i> , 2022 , 207, 114177 | 11.8 | 2 |
| 205 | Endothelial Yin Yang 1 Phosphorylation at S118 Induces Atherosclerosis Under Flow. <i>Circulation Research</i> , 2021 , 129, 1158-1174 | 15.7 | 1 |
| 204 | ZIC-CHILIC-Based StageTip for Simultaneous Glycopeptide Enrichment and Fractionation toward Large-Scale N-Sialoglycoproteomics. <i>Analytical Chemistry</i> , 2021 , 93, 15931-15940 | 7.8 | 2 |
| 203 | Progress Identifying and Analyzing the Human Proteome: 2021 Metrics from the HUPO Human Proteome Project. <i>Journal of Proteome Research</i> , 2021 , 20, 5227-5240 | 5.6 | 7 |
| 202 | Integrating site-specific peptide reporters and targeted mass spectrometry enables rapid substrate-specific kinase assay at the nanogram cell level. <i>Analytica Chimica Acta</i> , 2021 , 1155, 338341 | 6.6 | |
| 201 | Toxic or Not Toxic, That Is the Carbon Quantum Dot Question: A Comprehensive Evaluation with Zebrafish Embryo, Eleutheroembryo, and Adult Models. <i>Polymers</i> , 2021 , 13, | 4.5 | 6 |
| 200 | A data-independent acquisition-based global phosphoproteomics system enables deep profiling. <i>Nature Communications</i> , 2021 , 12, 2539 | 17.4 | 11 |
| 199 | Asia-Oceania HUPO: Past, Present, and Future. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100048 | 7.6 | 0 |
| 198 | An Enzyme-Mediated Aza-Michael Addition Is Involved in the Biosynthesis of an Imidazol Hybrid Product of Conidiogenone B. <i>Organic Letters</i> , 2021 , 23, 1904-1909 | 6.2 | 3 |
| 197 | Fracture risks in patients with atopic dermatitis: A nationwide matched cohort study. <i>Annals of Allergy, Asthma and Immunology</i> , 2021 , 127, 667-673.e2 | 3.2 | 2 |
| 196 | Sample Size-Comparable Spectral Library Enhances Data-Independent Acquisition-Based Proteome Coverage of Low-Input Cells.. <i>Analytical Chemistry</i> , 2021 , 93, 17003-17011 | 7.8 | 2 |
| 195 | Proteogenomics of Non-smoking Lung Cancer in East Asia Delineates Molecular Signatures of Pathogenesis and Progression. <i>Cell</i> , 2020 , 182, 226-244.e17 | 56.2 | 65 |
| 194 | MITF functions as a tumor suppressor in non-small cell lung cancer beyond the canonically oncogenic role. <i>Aging</i> , 2020 , 13, 646-674 | 5.6 | 2 |
| 193 | Palmitoyl Acyltransferase Activity of ZDHHC13 Regulates Skin Barrier Development Partly by Controlling PADI3 and TGM1 Protein Stability. <i>Journal of Investigative Dermatology</i> , 2020 , 140, 959-970.e3 | 4.3 | 5 |
| 192 | Fluorescence "Turn-on" Lectin Sensors Fabricated by Ligand-Assisted Labeling Probes for Detecting Protein-Glycoprotein Interactions. <i>Biomacromolecules</i> , 2020 , 21, 815-824 | 6.9 | 0 |

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| 191 | Standardization and harmonization of distributed multi-center proteotype analysis supporting precision medicine studies. <i>Nature Communications</i> , 2020 , 11, 5248 | 17.4 | 13 |
| 190 | Transcriptomic and Proteomic Profiling of Human Mesenchymal Stem Cell Derived from Umbilical Cord in the Study of Preterm Birth. <i>Proteomics - Clinical Applications</i> , 2020 , 14, e1900024 | 3.1 | 4 |
| 189 | Proteomic Analysis Reveals Anti-Fibrotic Effects of Blue Light Photobiomodulation on Fibroblasts. <i>Lasers in Surgery and Medicine</i> , 2020 , 52, 358-372 | 3.6 | 5 |
| 188 | GPER-induced signaling is essential for the survival of breast cancer stem cells. <i>International Journal of Cancer</i> , 2020 , 146, 1674-1685 | 7.5 | 19 |
| 187 | Regulation of miRNA Biogenesis and Histone Modification by K63-Polyubiquitinated DDX17 Controls Cancer Stem-like Features. <i>Cancer Research</i> , 2019 , 79, 2549-2563 | 10.1 | 28 |
| 186 | High Glucose Triggers Nucleotide Imbalance through O-GlcNAcylation of Key Enzymes and Induces KRAS Mutation in Pancreatic Cells. <i>Cell Metabolism</i> , 2019 , 29, 1334-1349.e10 | 24.6 | 40 |
| 185 | Direct Oligosaccharide Profiling Using Thin-Layer Chromatography Coupled with Ionic Liquid-Stabilized Nanomatrix-Assisted Laser Desorption-Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 11544-11552 | 7.8 | 9 |
| 184 | Boronate affinity-based photoactivatable magnetic nanoparticles for the oriented and irreversible conjugation of Fc-fused lectins and antibodies. <i>Chemical Science</i> , 2019 , 10, 8600-8609 | 9.4 | 7 |
| 183 | Thymidylate kinase is critical for DNA repair via ATM-dependent Tip60 complex formation. <i>FASEB Journal</i> , 2019 , 33, 2017-2025 | 0.9 | 4 |
| 182 | Alteration of mesenchymal stem cells polarity by laminar shear stimulation promoting β -catenin nuclear localization. <i>Biomaterials</i> , 2019 , 190-191, 1-10 | 15.6 | 10 |
| 181 | Internationalization and investment-cash flow sensitivity: Evidence from Taiwan. <i>Asia Pacific Management Review</i> , 2019 , 24, 154-160 | 2.8 | |
| 180 | Systematic Protein Prioritization for Targeted Proteomics Studies through Literature Mining. <i>Journal of Proteome Research</i> , 2018 , 17, 1383-1396 | 5.6 | 13 |
| 179 | ROS-independent ER stress-mediated NRF2 activation promotes warburg effect to maintain stemness-associated properties of cancer-initiating cells. <i>Cell Death and Disease</i> , 2018 , 9, 194 | 9.8 | 50 |
| 178 | Chemotherapy Immunophenotypes in Non-Small-Cell Lung Cancer by Personalized Membrane Proteomics. <i>Proteomics - Clinical Applications</i> , 2018 , 12, 1700040 | 3.1 | 4 |
| 177 | Inducing hair follicle neogenesis with secreted proteins enriched in embryonic skin. <i>Biomaterials</i> , 2018 , 167, 121-131 | 15.6 | 21 |
| 176 | β -Amyloid Induces Pathology-Related Patterns of Tau Hyperphosphorylation at Synaptic Terminals. <i>Journal of Neuro pathology and Experimental Neurology</i> , 2018 , 77, 814-826 | 3.1 | 30 |
| 175 | Directed strain evolution restructures metabolism for 1-butanol production in minimal media. <i>Metabolic Engineering</i> , 2018 , 49, 153-163 | 9.7 | 16 |
| 174 | A Cloud-Based Metabolite and Chemical Prioritization System for the Biology/Disease-Driven Human Proteome Project. <i>Journal of Proteome Research</i> , 2018 , 17, 4345-4357 | 5.6 | 5 |

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| 173 | Evaluating the Possibility of Detecting Variants in Shotgun Proteomics via LeTE-Fusion Analysis Pipeline. <i>Journal of Proteome Research</i> , 2018 , 17, 2937-2952 | 5.6 | 4 |
| 172 | Glucose intake hampers PKA-regulated HSP90 chaperone activity. <i>ELife</i> , 2018 , 7, | 8.9 | 8 |
| 171 | FAM198B Is Associated with Prolonged Survival and Inhibits Metastasis in Lung Adenocarcinoma via Blockage of ERK-Mediated MMP-1 Expression. <i>Clinical Cancer Research</i> , 2018 , 24, 916-926 | 12.9 | 14 |
| 170 | Glycoproteomic Alterations in Drug-Resistant Nonsmall Cell Lung Cancer Cells Revealed by Lectin Magnetic Nanoprobe-Based Mass Spectrometry. <i>Journal of Proteome Research</i> , 2018 , 17, 3761-3773 | 5.6 | 15 |
| 169 | Launching the C-HPP neXt-CP50 Pilot Project for Functional Characterization of Identified Proteins with No Known Function. <i>Journal of Proteome Research</i> , 2018 , 17, 4042-4050 | 5.6 | 31 |
| 168 | DNA Demethylation by DNMT3A and DNMT3B in vitro and of Methylated Episomal DNA in Transiently Transfected Cells. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018 , 1861, 1048-1061 | 6 | 5 |
| 167 | Surface markers of human embryonic stem cells: a meta analysis of membrane proteomics reports. <i>Expert Review of Proteomics</i> , 2018 , 15, 911-922 | 4.2 | 4 |
| 166 | Subcellular Proteome Landscape of Human Embryonic Stem Cells Revealed Missing Membrane Proteins. <i>Journal of Proteome Research</i> , 2018 , 17, 4138-4151 | 5.6 | 15 |
| 165 | Identification of Potential Plasma Biomarkers for Nonalcoholic Fatty Liver Disease by Integrating Transcriptomics and Proteomics in Laying Hens. <i>Journal of Nutrition</i> , 2017 , 147, 293-303 | 4.1 | 18 |
| 164 | Proteome analysis of human embryonic stem cells organelles. <i>Journal of Proteomics</i> , 2017 , 162, 108-118 | 3.9 | 10 |
| 163 | Exploring the expression bar code of SAA variants for gastric cancer detection. <i>Proteomics</i> , 2017 , 17, 1600356 | 4.8 | 3 |
| 162 | Data for whole and mitochondrial proteome of human embryonic stem cells. <i>Data in Brief</i> , 2017 , 13, 371-376 | 3.7 | 2 |
| 161 | One-Pot Two-Nanoprobe Assay Uncovers Targeted Glycoprotein Biosignature. <i>Analytical Chemistry</i> , 2017 , 89, 3973-3980 | 7.8 | 18 |
| 160 | Phosphoproteomics Reveals HMGA1, a CK2 Substrate, as a Drug-Resistant Target in Non-Small Cell Lung Cancer. <i>Scientific Reports</i> , 2017 , 7, 44021 | 4.9 | 19 |
| 159 | An Integrated System to Remotely Trigger Intracellular Signal Transduction by Upconversion Nanoparticle-mediated Kinase Photoactivation. <i>Journal of Visualized Experiments</i> , 2017 , | 1.6 | 1 |
| 158 | Biomarker identification of hepatocellular carcinoma using a methodical literature mining strategy. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017, | 5 | 4 |
| 157 | Identification of Siglec Ligands Using a Proximity Labeling Method. <i>Journal of Proteome Research</i> , 2017 , 16, 3929-3941 | 5.6 | 37 |
| 156 | Decoding the Effect of Isobaric Substitutions on Identifying Missing Proteins and Variant Peptides in Human Proteome. <i>Journal of Proteome Research</i> , 2017 , 16, 4415-4424 | 5.6 | 5 |

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|-----|--|------|----|
| 155 | Role of S-Palmitoylation by ZDHHC13 in Mitochondrial function and Metabolism in Liver. <i>Scientific Reports</i> , 2017 , 7, 2182 | 4.9 | 37 |
| 154 | iTop-Q: an Intelligent Tool for Top-down Proteomics Quantitation Using DYAMOND Algorithm. <i>Analytical Chemistry</i> , 2017 , 89, 13128-13136 | 7.8 | 2 |
| 153 | Combining membrane proteomics and computational three-way pathway analysis revealed signalling pathways preferentially regulated in human iPSCs and human ESCs. <i>Scientific Reports</i> , 2017 , 7, 15055 | 4.9 | 2 |
| 152 | A Role Model with Endless Enthusiasm for Science: In Memory of Tsutomu Masujima. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2017 , 65, 150-153 | 0.2 | |
| 151 | Absolute Phosphorylation Stoichiometry Analysis by Motif-Targeting Quantitative Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017 , 1636, 313-325 | 1.4 | 1 |
| 150 | Functionalized HgTe nanoparticles promote laser-induced solid phase ionization/dissociation for comprehensive glycan sequencing. <i>Analyst, The</i> , 2016 , 141, 6093-6103 | 5 | 9 |
| 149 | Atomic force microscopy characterization of kinase-mediated phosphorylation of a peptide monolayer. <i>Scientific Reports</i> , 2016 , 6, 36793 | 4.9 | 5 |
| 148 | Temporal regulation of Lsp1 O-GlcNAcylation and phosphorylation during apoptosis of activated B cells. <i>Nature Communications</i> , 2016 , 7, 12526 | 17.4 | 16 |
| 147 | Chemical Inhibition of Human Thymidylate Kinase and Structural Insights into the Phosphate Binding Loop and Ligand-Induced Degradation. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 9906-9918 | 8.3 | 11 |
| 146 | The Shp2-induced epithelial disorganization defect is reversed by HDAC6 inhibition independent of Cdc42. <i>Nature Communications</i> , 2016 , 7, 10420 | 17.4 | 5 |
| 145 | A photo-cleavable biotin affinity tag for the facile release of a photo-crosslinked carbohydrate-binding protein. <i>Bioorganic and Medicinal Chemistry</i> , 2016 , 24, 1216-24 | 3.4 | 12 |
| 144 | Untargeted, spectral library-free analysis of data-independent acquisition proteomics data generated using Orbitrap mass spectrometers. <i>Proteomics</i> , 2016 , 16, 2257-71 | 4.8 | 45 |
| 143 | K63-polyubiquitinated HAUSP deubiquitinates HIF-1 α and dictates H3K56 acetylation promoting hypoxia-induced tumour progression. <i>Nature Communications</i> , 2016 , 7, 13644 | 17.4 | 61 |
| 142 | The Impact of dUTPase on Ribonucleotide Reductase-Induced Genome Instability in Cancer Cells. <i>Cell Reports</i> , 2016 , 16, 1287-1299 | 10.6 | 19 |
| 141 | Mining Missing Membrane Proteins by High-pH Reverse-Phase StageTip Fractionation and Multiple Reaction Monitoring Mass Spectrometry. <i>Journal of Proteome Research</i> , 2015 , 14, 3658-69 | 5.6 | 20 |
| 140 | Qualification and Verification of Serological Biomarker Candidates for Lung Adenocarcinoma by Targeted Mass Spectrometry. <i>Journal of Proteome Research</i> , 2015 , 14, 3039-50 | 5.6 | 17 |
| 139 | Imaging Endogenous Bilirubins with Two-Photon Fluorescence of Bilirubin Dimers. <i>Analytical Chemistry</i> , 2015 , 87, 7575-82 | 7.8 | 19 |
| 138 | Quest for Missing Proteins: Update 2015 on Chromosome-Centric Human Proteome Project. <i>Journal of Proteome Research</i> , 2015 , 14, 3415-31 | 5.6 | 50 |

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| 137 | Glutathionylspermidine in the modification of protein SH groups: the enzymology and its application to study protein glutathionylation. <i>Molecules</i> , 2015 , 20, 1452-74 | 4.8 | 8 |
| 136 | Effect of sialylation on EGFR phosphorylation and resistance to tyrosine kinase inhibition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6955-60 | 11.5 | 71 |
| 135 | dbSNO 2.0: a resource for exploring structural environment, functional and disease association and regulatory network of protein S-nitrosylation. <i>Nucleic Acids Research</i> , 2015 , 43, D503-11 | 20.1 | 54 |
| 134 | Large-scale determination of absolute phosphorylation stoichiometries in human cells by motif-targeting quantitative proteomics. <i>Nature Communications</i> , 2015 , 6, 6622 | 17.4 | 99 |
| 133 | Cyclic Alopecia and Abnormal Epidermal Cornification in Zdhhc13-Deficient Mice Reveal the Importance of Palmitoylation in Hair and Skin Differentiation. <i>Journal of Investigative Dermatology</i> , 2015 , 135, 2603-2610 | 4.3 | 15 |
| 132 | Integrating proteomics with electrochemistry for identifying kinase biomarkers. <i>Chemical Science</i> , 2015 , 6, 4756-4766 | 9.4 | 21 |
| 131 | Monodispersity of magnetic immuno-nanoprobes enhances the detection sensitivity of low abundance biomarkers in one drop of serum. <i>Analyst, The</i> , 2015 , 140, 7678-86 | 5 | 3 |
| 130 | Rapid High-pH Reverse Phase StageTip for Sensitive Small-Scale Membrane Proteomic Profiling. <i>Analytical Chemistry</i> , 2015 , 87, 12016-23 | 7.8 | 30 |
| 129 | Informatics View on the Challenges of Identifying Missing Proteins from Shotgun Proteomics. <i>Journal of Proteome Research</i> , 2015 , 14, 5396-407 | 5.6 | 14 |
| 128 | Slug is temporally regulated by cyclin E in cell cycle and controls genome stability. <i>Oncogene</i> , 2015 , 34, 1116-25 | 9.2 | 27 |
| 127 | The Influence of Phase Separation on Bioactivity of Spray Pyrolyzed Bioactive Glass. <i>Journal of Nanoscience and Nanotechnology</i> , 2015 , 15, 4688-96 | 1.3 | 2 |
| 126 | Mitochondrial translocation of EGFR regulates mitochondria dynamics and promotes metastasis in NSCLC. <i>Oncotarget</i> , 2015 , 6, 37349-66 | 3.3 | 48 |
| 125 | Analysis of Protein Stability by the Cycloheximide Chase Assay. <i>Bio-protocol</i> , 2015 , 5, | 0.9 | 46 |
| 124 | DcR3 suppresses influenza virus-induced macrophage activation and attenuates pulmonary inflammation and lethality. <i>Journal of Molecular Medicine</i> , 2015 , 93, 1131-43 | 5.5 | 8 |
| 123 | UV-activated multilayer nanomatrix provides one-step tunable carbohydrate structural characterization in MALDI-MS. <i>Chemical Science</i> , 2015 , 6, 4790-4800 | 9.4 | 13 |
| 122 | MAGIC: an automated N-linked glycoprotein identification tool using a Y1-ion pattern matching algorithm and in silico MS ⁿ approach. <i>Analytical Chemistry</i> , 2015 , 87, 2466-73 | 7.8 | 55 |
| 121 | GSHSite: exploiting an iteratively statistical method to identify s-glutathionylation sites with substrate specificity. <i>PLoS ONE</i> , 2015 , 10, e0118752 | 3.7 | 25 |
| 120 | Cancer-associated fibroblasts regulate the plasticity of lung cancer stemness via paracrine signalling. <i>Nature Communications</i> , 2014 , 5, 3472 | 17.4 | 246 |

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| 119 | Sequential phosphoproteomic enrichment through complementary metal-directed immobilized metal ion affinity chromatography. <i>Analytical Chemistry</i> , 2014 , 86, 685-93 | 7.8 | 77 |
| 118 | Decoding the s-nitrosoproteomic atlas in individualized human colorectal cancer tissues using a label-free quantitation strategy. <i>Journal of Proteome Research</i> , 2014 , 13, 4942-58 | 5.6 | 17 |
| 117 | Sequential one-pot enzymatic synthesis of oligo-N-acetyllactosamine and its multi-sialylated extensions. <i>Chemical Communications</i> , 2014 , 50, 5786-9 | 5.8 | 25 |
| 116 | Interaction modes and approaches to glycopeptide and glycoprotein enrichment. <i>Analyst, The</i> , 2014 , 139, 688-704 | 5 | 96 |
| 115 | HSP70 colocalizes with PLK1 at the centrosome and disturbs spindle dynamics in cells arrested in mitosis by arsenic trioxide. <i>Archives of Toxicology</i> , 2014 , 88, 1711-23 | 5.8 | 26 |
| 114 | Chromosome-centric Human Proteome Project (C-HPP): Chromosome 12. <i>Journal of Proteome Research</i> , 2014 , 13, 3160-5 | 5.6 | 4 |
| 113 | GSK3 β controls epithelial-mesenchymal transition and tumor metastasis by CHIP-mediated degradation of Slug. <i>Oncogene</i> , 2014 , 33, 3172-82 | 9.2 | 91 |
| 112 | Quantitative proteomics analysis highlights the role of redox hemostasis and energy metabolism in human embryonic stem cell differentiation to neural cells. <i>Journal of Proteomics</i> , 2014 , 101, 1-16 | 3.9 | 22 |
| 111 | Characterization and identification of protein O-GlcNAcylation sites with substrate specificity. <i>BMC Bioinformatics</i> , 2014 , 15 Suppl 16, S1 | 3.6 | 23 |
| 110 | An intelligent system for identifying acetylated lysine on histones and nonhistone proteins. <i>BioMed Research International</i> , 2014 , 2014, 528650 | 3 | 16 |
| 109 | Global analysis of cdc14 dephosphorylation sites reveals essential regulatory role in mitosis and cytokinesis. <i>Molecular and Cellular Proteomics</i> , 2014 , 13, 594-605 | 7.6 | 21 |
| 108 | Distinct subpopulations of head and neck cancer cells with different levels of intracellular reactive oxygen species exhibit diverse stemness, proliferation, and chemosensitivity. <i>Cancer Research</i> , 2014 , 74, 6291-305 | 10.1 | 81 |
| 107 | Construction of Nitrogen-Containing 9-Membered Ring Epoxy Vinyl Ethers via Gold(I)-Catalyzed Intramolecular Cyclization Reactions of Acyclic 5-Aza-2,3-epoxy-7-yn-1-ols. <i>Journal of the Chinese Chemical Society</i> , 2014 , 61, 1281-1288 | 1.5 | 0 |
| 106 | RegPhos 2.0: an updated resource to explore protein kinase-substrate phosphorylation networks in mammals. <i>Database: the Journal of Biological Databases and Curation</i> , 2014 , 2014, bau034 | 5 | 30 |
| 105 | Incorporating amino acids composition and functional domains for identifying bacterial toxin proteins. <i>BioMed Research International</i> , 2014 , 2014, 972692 | 3 | 2 |
| 104 | dbGSH: a database of S-glutathionylation. <i>Bioinformatics</i> , 2014 , 30, 2386-8 | 7.2 | 43 |
| 103 | Phosphoproteomic analyses reveal that galectin-1 augments the dynamics of B-cell receptor signaling. <i>Journal of Proteomics</i> , 2014 , 103, 241-53 | 3.9 | 10 |
| 102 | Palmitoyl acyltransferase, Zdhhc13, facilitates bone mass acquisition by regulating postnatal epiphyseal development and endochondral ossification: a mouse model. <i>PLoS ONE</i> , 2014 , 9, e92194 | 3.7 | 20 |

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| 101 | Recent Development of Mass Spectrometric Technologies in Asia and Oceania. <i>Mass Spectrometry</i> , 2014 , 3, K0006 | 1.7 | |
| 100 | Decoding the disease-associated proteins encoded in the human chromosome 4. <i>Journal of Proteome Research</i> , 2013 , 12, 33-44 | 5.6 | 7 |
| 99 | An iTRAQ proteomic study reveals an association between diet-induced enhanced fatty acid metabolism and the development of glucose intolerance in prediabetic mice. <i>Journal of Proteome Research</i> , 2013 , 12, 1120-33 | 5.6 | 14 |
| 98 | Methods for detection and characterization of protein S-nitrosylation. <i>Methods</i> , 2013 , 62, 138-50 | 4.6 | 19 |
| 97 | Quantitative proteomics reveals diverse roles of miR-148a from gastric cancer progression to neurological development. <i>Journal of Proteome Research</i> , 2013 , 12, 3993-4004 | 5.6 | 16 |
| 96 | A chemically functionalized magnetic nanoplatform for rapid and specific biomolecular recognition and separation. <i>Biomacromolecules</i> , 2013 , 14, 160-8 | 6.9 | 31 |
| 95 | BAD-lectins: boronic acid-decorated lectins with enhanced binding affinity for the selective enrichment of glycoproteins. <i>Analytical Chemistry</i> , 2013 , 85, 8268-76 | 7.8 | 29 |
| 94 | Spectrum-based method to generate good decoy libraries for spectral library searching in peptide identifications. <i>Journal of Proteome Research</i> , 2013 , 12, 2305-10 | 5.6 | 17 |
| 93 | Quantitative phosphoproteomic study of pressure-overloaded mouse heart reveals dynamin-related protein 1 as a modulator of cardiac hypertrophy. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3094-107 | 7.6 | 44 |
| 92 | Synthesis and evaluation of a photoactive probe with a multivalent carbohydrate for capturing carbohydrate-lectin interactions. <i>Bioconjugate Chemistry</i> , 2013 , 24, 1895-906 | 6.3 | 14 |
| 91 | Identification of downstream components of ubiquitin-conjugating enzyme PHOSPHATE2 by quantitative membrane proteomics in Arabidopsis roots. <i>Plant Cell</i> , 2013 , 25, 4044-60 | 11.6 | 165 |
| 90 | Androgen modulates cardiac fibrosis contributing to gender differences on heart failure. <i>Aging Male</i> , 2013 , 16, 22-7 | 2.1 | 9 |
| 89 | DbPTM 3.0: an informative resource for investigating substrate site specificity and functional association of protein post-translational modifications. <i>Nucleic Acids Research</i> , 2013 , 41, D295-305 | 20.1 | 159 |
| 88 | Quantitative proteomic analysis of human lung tumor xenografts treated with the ectopic ATP synthase inhibitor citreoviridin. <i>PLoS ONE</i> , 2013 , 8, e70642 | 3.7 | 19 |
| 87 | Prioritization of cancer marker candidates based on the immunohistochemistry staining images deposited in the human protein atlas. <i>PLoS ONE</i> , 2013 , 8, e81079 | 3.7 | 9 |
| 86 | Thyroid Storm and Incidental Anterior Mediastinal Teratoma: Coincidence or Correlation?. <i>Acta Cardiologica Sinica</i> , 2013 , 29, 467-70 | 1.1 | |
| 85 | Cancer Phosphoproteomics: Tools and Emerging Applications for Mining the Phosphoproteome in Cancer Biology 2012 , 161-188 | | |
| 84 | Membrane Proteomics for the Opportunity of Cancer Biomarker and Drug Target Discovery 2012 , 259-286 | | |

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|----|--|------|----|
| 83 | Phosphoproteomic analysis of human mesenchymal stromal cells during osteogenic differentiation. <i>Journal of Proteome Research</i> , 2012 , 11, 586-98 | 5.6 | 12 |
| 82 | Complementary Fe(3+)- and Ti(4+)-immobilized metal ion affinity chromatography for purification of acidic and basic phosphopeptides. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 2186-94 | 2.2 | 41 |
| 81 | In-depth identification of pathways related to cisplatin-induced hepatotoxicity through an integrative method based on an informatics-assisted label-free protein quantitation and microarray gene expression approach. <i>Molecular and Cellular Proteomics</i> , 2012 , 11, M111.010884 | 7.6 | 49 |
| 80 | Tumor cells require thymidylate kinase to prevent dUTP incorporation during DNA repair. <i>Cancer Cell</i> , 2012 , 22, 36-50 | 24.3 | 46 |
| 79 | dbSNO: a database of cysteine S-nitrosylation. <i>Bioinformatics</i> , 2012 , 28, 2293-5 | 7.2 | 67 |
| 78 | Identification of SEC61 β and its autoantibody as biomarkers for colorectal cancer. <i>Clinica Chimica Acta</i> , 2011 , 412, 887-93 | 6.2 | 15 |
| 77 | Interplay between SIN3A and STAT3 mediates chromatin conformational changes and GFAP expression during cellular differentiation. <i>PLoS ONE</i> , 2011 , 6, e22018 | 3.7 | 41 |
| 76 | Surface marker epithelial cell adhesion molecule and E-cadherin facilitate the identification and selection of induced pluripotent stem cells. <i>Stem Cell Reviews and Reports</i> , 2011 , 7, 722-35 | 6.4 | 48 |
| 75 | Rapid and specific influenza virus detection by functionalized magnetic nanoparticles and mass spectrometry. <i>Journal of Nanobiotechnology</i> , 2011 , 9, 52 | 9.4 | 63 |
| 74 | Nanoprobe-based immobilized metal affinity chromatography for sensitive and complementary enrichment of multiply phosphorylated peptides. <i>Proteomics</i> , 2011 , 11, 2639-53 | 4.8 | 18 |
| 73 | A new type of donor-acceptor dye bridged by the bidentate moiety; metal ion complexation enhancing DSSC performance. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4090 | | 13 |
| 72 | Iron oxide nanomatrix facilitating metal ionization in matrix-assisted laser desorption/ionization mass spectrometry. <i>Analytical Chemistry</i> , 2011 , 83, 9337-43 | 7.8 | 17 |
| 71 | A Genuine Intramolecular Proton Relay System Undergoing Excited-State Double Proton Transfer Reaction. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 3063-3068 | 6.4 | 76 |
| 70 | Nanoparticle-assisted MALDI-TOF MS combined with seed-layer surface preparation for quantification of small molecules. <i>Analytica Chimica Acta</i> , 2011 , 697, 1-7 | 6.6 | 26 |
| 69 | Phosphoproteomics by Highly Selective IMAC Protocol. <i>NeuroMethods</i> , 2011 , 181-196 | 0.4 | 2 |
| 68 | An informatics-assisted label-free approach for personalized tissue membrane proteomics: case study on colorectal cancer. <i>Molecular and Cellular Proteomics</i> , 2011 , 10, M110.003087 | 7.6 | 48 |
| 67 | Phosphoproteomics identifies oncogenic Ras signaling targets and their involvement in lung adenocarcinomas. <i>PLoS ONE</i> , 2011 , 6, e20199 | 3.7 | 33 |
| 66 | SNOsite: exploiting maximal dependence decomposition to identify cysteine S-nitrosylation with substrate site specificity. <i>PLoS ONE</i> , 2011 , 6, e21849 | 3.7 | 69 |

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|----|--|------|-----|
| 65 | Phosphoproteomics characterization of novel phosphorylated sites of lens proteins from normal and cataractous human eye lenses. <i>Molecular Vision</i> , 2011 , 17, 186-98 | 2.3 | 19 |
| 64 | Comparison of membrane fraction proteomic profiles of normal and cancerous human colorectal tissues with gel-assisted digestion and iTRAQ labeling mass spectrometry. <i>FEBS Journal</i> , 2010 , 277, 3028-38 | 5.7 | 48 |
| 63 | IDEAL-Q, an automated tool for label-free quantitation analysis using an efficient peptide alignment approach and spectral data validation. <i>Molecular and Cellular Proteomics</i> , 2010 , 9, 131-44 | 7.6 | 109 |
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