

# Peng-Yuan Yang

## List of Publications by Citations

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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.

155  
papers

3,925  
citations

31  
h-index

57  
g-index

167  
ext. papers

5,062  
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6.7  
avg, IF

5.35  
L-index

| #   | Paper                                                                                                                                                                                                                                            | IF   | Citations |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 155 | Zc3h13 Regulates Nuclear RNA mA Methylation and Mouse Embryonic Stem Cell Self-Renewal. <i>Molecular Cell</i> , <b>2018</b> , 69, 1028-1038.e6                                                                                                   | 17.6 | 362       |
| 154 | Glucose-regulated phosphorylation of TET2 by AMPK reveals a pathway linking diabetes to cancer. <i>Nature</i> , <b>2018</b> , 559, 637-641                                                                                                       | 50.4 | 210       |
| 153 | Acetate functions as an epigenetic metabolite to promote lipid synthesis under hypoxia. <i>Nature Communications</i> , <b>2016</b> , 7, 11960                                                                                                    | 17.4 | 181       |
| 152 | pGlyco 2.0 enables precision N-glycoproteomics with comprehensive quality control and one-step mass spectrometry for intact glycopeptide identification. <i>Nature Communications</i> , <b>2017</b> , 8, 438                                     | 17.4 | 181       |
| 151 | Structural insight into substrate preference for TET-mediated oxidation. <i>Nature</i> , <b>2015</b> , 527, 118-22                                                                                                                               | 50.4 | 159       |
| 150 | BS69/ZMYND11 reads and connects histone H3.3 lysine 36 trimethylation-decorated chromatin to regulated pre-mRNA processing. <i>Molecular Cell</i> , <b>2014</b> , 56, 298-310                                                                    | 17.6 | 130       |
| 149 | SIRT5 promotes IDH2 desuccinylation and G6PD deglutarylation to enhance cellular antioxidant defense. <i>EMBO Reports</i> , <b>2016</b> , 17, 811-22                                                                                             | 6.5  | 127       |
| 148 | SIRT5 Desuccinylates and Activates Pyruvate Kinase M2 to Block Macrophage IL-1 $\beta$ Production and to Prevent DSS-Induced Colitis in Mice. <i>Cell Reports</i> , <b>2017</b> , 19, 2331-2344                                                  | 10.6 | 123       |
| 147 | Reduced expression of the chromatin remodeling gene ARID1A enhances gastric cancer cell migration and invasion via downregulation of E-cadherin transcription. <i>Carcinogenesis</i> , <b>2014</b> , 35, 867-76                                  | 4.6  | 95        |
| 146 | Simple and Integrated Spintip-Based Technology Applied for Deep Proteome Profiling. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 4864-71                                                                                                      | 7.8  | 74        |
| 145 | Up-regulation of type I collagen during tumorigenesis of colorectal cancer revealed by quantitative proteomic analysis. <i>Journal of Proteomics</i> , <b>2013</b> , 94, 473-85                                                                  | 3.9  | 71        |
| 144 | Mitochondrial aldehyde dehydrogenase 2 plays protective roles in heart failure after myocardial infarction via suppression of the cytosolic JNK/p53 pathway in mice. <i>Journal of the American Heart Association</i> , <b>2014</b> , 3, e000779 | 6    | 71        |
| 143 | pGlyco: a pipeline for the identification of intact N-glycopeptides by using HCD- and CID-MS/MS and MS3. <i>Scientific Reports</i> , <b>2016</b> , 6, 25102                                                                                      | 4.9  | 67        |
| 142 | Functional lipidomics: Palmitic acid impairs hepatocellular carcinoma development by modulating membrane fluidity and glucose metabolism. <i>Hepatology</i> , <b>2017</b> , 66, 432-448                                                          | 11.2 | 66        |
| 141 | Multilayer Hydrophilic Poly(phenol-formaldehyde resin)-Coated Magnetic Graphene for Boronic Acid Immobilization as a Novel Matrix for Glycoproteome Analysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 16011-7           | 9.5  | 59        |
| 140 | In silico spectral libraries by deep learning facilitate data-independent acquisition proteomics. <i>Nature Communications</i> , <b>2020</b> , 11, 146                                                                                           | 17.4 | 59        |
| 139 | Development of Versatile Metal-Organic Framework Functionalized Magnetic Graphene Core-Shell Biocomposite for Highly Specific Recognition of Glycopeptides. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 27482-27489         | 9.5  | 54        |

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|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|
| 138 | A new panel of pancreatic cancer biomarkers discovered using a mass spectrometry-based pipeline. <i>British Journal of Cancer</i> , <b>2017</b> , 117, 1846-1854                                                                                                                                                                     | 8.7  | 51 |
| 137 | Designed synthesis of aptamer-immobilized magnetic mesoporous silica/Au nanocomposites for highly selective enrichment and detection of insulin. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 8451-6                                                                                                             | 9.5  | 44 |
| 136 | Mass spectrometry-based N-glycoproteomics for cancer biomarker discovery. <i>Clinical Proteomics</i> , <b>2014</b> , 11, 18                                                                                                                                                                                                          | 5    | 44 |
| 135 | Multi-targeted interference-free determination of ten $\beta$ blockers in human urine and plasma samples by alternating trilinear decomposition algorithm-assisted liquid chromatography-mass spectrometry in full scan mode: comparison with multiple reaction monitoring. <i>Analytica Chimica Acta</i> , <b>2014</b> , 848, 10-24 | 6.6  | 42 |
| 134 | Tissue-Based Proteogenomics Reveals that Human Testis Endows Plentiful Missing Proteins. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3583-94                                                                                                                                                                             | 5.6  | 41 |
| 133 | A highly parallel microfluidic droplet method enabling single-molecule counting for digital enzyme detection. <i>Biomicrofluidics</i> , <b>2014</b> , 8, 014110                                                                                                                                                                      | 3.2  | 40 |
| 132 | In Situ Synthesis of Magnetic Mesoporous Phenolic Resin for the Selective Enrichment of Glycopeptides. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 7357-7363                                                                                                                                                                     | 7.8  | 37 |
| 131 | The Sodium-Glucose Cotransporter 2 Inhibitor Dapagliflozin Prevents Renal and Liver Disease in Western Diet Induced Obesity Mice. <i>International Journal of Molecular Sciences</i> , <b>2018</b> , 19,                                                                                                                             | 6.3  | 36 |
| 130 | Quantitative profiling of glycerophospholipids during mouse and human macrophage differentiation using targeted mass spectrometry. <i>Scientific Reports</i> , <b>2017</b> , 7, 412                                                                                                                                                  | 4.9  | 35 |
| 129 | A comparative assessment of adipose-derived stem cells from subcutaneous and visceral fat as a potential cell source for knee osteoarthritis treatment. <i>Journal of Cellular and Molecular Medicine</i> , <b>2017</b> , 21, 2153-2162                                                                                              | 5.6  | 34 |
| 128 | Recent advances in software tools for more generic and precise intact glycopeptide analysis. <i>Molecular and Cellular Proteomics</i> , <b>2021</b> , 100060                                                                                                                                                                         | 7.6  | 34 |
| 127 | CAV1 promotes HCC cell progression and metastasis through Wnt/ $\beta$ catenin pathway. <i>PLoS ONE</i> , <b>2014</b> , 9, e106451                                                                                                                                                                                                   | 3.7  | 33 |
| 126 | Identification of colonic fibroblast secretomes reveals secretory factors regulating colon cancer cell proliferation. <i>Journal of Proteomics</i> , <b>2014</b> , 110, 155-71                                                                                                                                                       | 3.9  | 33 |
| 125 | Covalent polymeric modification of graphene nanosheets via surface-initiated single-electron-transfer living radical polymerization. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 4977-4986                                                                                                                          | 3.5  | 33 |
| 124 | High-efficiency nano/micro-reactors for protein analysis. <i>RSC Advances</i> , <b>2015</b> , 5, 1331-1342                                                                                                                                                                                                                           | 3.7  | 31 |
| 123 | VHL deficiency augments anthracycline sensitivity of clear cell renal cell carcinomas by down-regulating ALDH2. <i>Nature Communications</i> , <b>2017</b> , 8, 15337                                                                                                                                                                | 17.4 | 30 |
| 122 | Chromatin remodeling gene AT-rich interactive domain-containing protein 1A suppresses gastric cancer cell proliferation by targeting PIK3CA and PDK1. <i>Oncotarget</i> , <b>2016</b> , 7, 46127-46141                                                                                                                               | 3.3  | 30 |
| 121 | Study on behaviors and performances of universal N-glycopeptide enrichment methods. <i>Analyst</i> , <b>2018</b> , 143, 1870-1880                                                                                                                                                                                                    | 5    | 27 |

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| 120 | Versatile metal-organic framework-functionalized magnetic graphene nanoporous composites: As deft matrix for high-effective extraction and purification of the N-linked glycans. <i>Analytica Chimica Acta</i> , <b>2016</b> , 932, 41-8   | 6.6  | 27 |
| 119 | Comparison of 2-D LC and 3-D LC with post- and pre-tryptic-digestion SEC fractionation for proteome analysis of normal human liver tissue. <i>Proteomics</i> , <b>2007</b> , 7, 500-512                                                    | 4.8  | 26 |
| 118 | Determination of metal impurities in titanium dioxide using slurry sample introduction by axial viewing inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2004</b> , 19, 273 | 3.7  | 26 |
| 117 | Membrane glycomics reveal heterogeneity and quantitative distribution of cell surface sialylation. <i>Chemical Science</i> , <b>2018</b> , 9, 6271-6285                                                                                    | 9.4  | 26 |
| 116 | Efficient and accurate glycopeptide identification pipeline for high-throughput site-specific N-glycosylation analysis. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 3121-9                                                     | 5.6  | 25 |
| 115 | Facile Synthesis of Boronic Acid-Functionalized Magnetic Mesoporous Silica Nanocomposites for Highly Specific Enrichment of Glycopeptides. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 835-839                                 | 4.9  | 25 |
| 114 | Controlling nonspecific trypsin cleavages in LC-MS/MS-based shotgun proteomics using optimized experimental conditions. <i>Analyst</i> , <b>2015</b> , 140, 7613-21                                                                        | 5    | 24 |
| 113 | Nono, a Bivalent Domain Factor, Regulates Erk Signaling and Mouse Embryonic Stem Cell Pluripotency. <i>Cell Reports</i> , <b>2016</b> , 17, 997-1007                                                                                       | 10.6 | 24 |
| 112 | Photoswitchable upconversion nanophosphors for small animal imaging in vivo. <i>RSC Advances</i> , <b>2014</b> , 4, 15613                                                                                                                  | 3.7  | 24 |
| 111 | In-depth mapping of the mouse brain N-glycoproteome reveals widespread N-glycosylation of diverse brain proteins. <i>Oncotarget</i> , <b>2016</b> , 7, 38796-38809                                                                         | 3.3  | 24 |
| 110 | Comparison of analytical methods for profiling N- and O-linked glycans from cultured cell lines : HUPO Human Disease Glycomics/Proteome Initiative multi-institutional study. <i>Glycoconjugate Journal</i> , <b>2016</b> , 33, 405-415    | 3    | 23 |
| 109 | On-plate enrichment methods for MALDI-MS analysis in proteomics. <i>Analytical Methods</i> , <b>2012</b> , 4, 2622                                                                                                                         | 3.2  | 23 |
| 108 | Upregulation of spondin-2 predicts poor survival of colorectal carcinoma patients. <i>Oncotarget</i> , <b>2015</b> , 6, 15095-110                                                                                                          | 3.3  | 23 |
| 107 | Epithelial but not stromal expression of collagen alpha-1(III) is a diagnostic and prognostic indicator of colorectal carcinoma. <i>Oncotarget</i> , <b>2016</b> , 7, 8823-38                                                              | 3.3  | 23 |
| 106 | Identification of Palmitoylated Transitional Endoplasmic Reticulum ATPase by Proteomic Technique and Pan Antipalmitoylation Antibody. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 956-62                                       | 5.6  | 22 |
| 105 | Multilayered N-Glycoproteome Profiling Reveals Highly Heterogeneous and Dysregulated Protein N-Glycosylation Related to Alzheimer's Disease. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 867-874                                       | 7.8  | 21 |
| 104 | Highly Selective Enrichment of Glycopeptides Based on Zwitterionically Functionalized Soluble Nanopolymers. <i>Scientific Reports</i> , <b>2016</b> , 6, 29776                                                                             | 4.9  | 21 |
| 103 | Ultradeep Palmitoylomics Enabled by Dithiodipyridine-Functionalized Magnetic Nanoparticles. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 6161-6168                                                                                      | 7.8  | 20 |

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| 102 | Characterization of stability of ceramic suspension for slurry introduction in inductively coupled plasma optical emission spectrometry and application to aluminium nitride analysis. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2005</b> , 20, 315 | 3.7  | 20 |
| 101 | Ambient ionization based on mesoporous graphene coated paper for therapeutic drug monitoring. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , <b>2016</b> , 1015-1016, 142-149                                | 3.2  | 19 |
| 100 | In-depth proteomic profiling of left ventricular tissues in human end-stage dilated cardiomyopathy. <i>Oncotarget</i> , <b>2017</b> , 8, 48321-48332                                                                                                            | 3.3  | 19 |
| 99  | Large scale systematic proteomic quantification from non-metastatic to metastatic colorectal cancer. <i>Scientific Reports</i> , <b>2015</b> , 5, 12120                                                                                                         | 4.9  | 18 |
| 98  | Highlights of the Biology and Disease-driven Human Proteome Project, 2015-2016. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 3979-3987                                                                                                               | 5.6  | 18 |
| 97  | Crystal structure of arginine methyltransferase 6 from <i>Trypanosoma brucei</i> . <i>PLoS ONE</i> , <b>2014</b> , 9, e87267                                                                                                                                    | 3.7  | 18 |
| 96  | Direct determination of trace metals in boron carbide by slurry introduction axial viewed inductively coupled plasma optical emission spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2009</b> , 24, 1258                                   | 3.7  | 18 |
| 95  | Filamin C, a dysregulated protein in cancer revealed by label-free quantitative proteomic analyses of human gastric cancer cells. <i>Oncotarget</i> , <b>2015</b> , 6, 1171-89                                                                                  | 3.3  | 18 |
| 94  | Novel methods in glycomics: a 2019 update. <i>Expert Review of Proteomics</i> , <b>2020</b> , 17, 11-25                                                                                                                                                         | 4.2  | 18 |
| 93  | 3D-SISPROT: A simple and integrated spintip-based protein digestion and three-dimensional peptide fractionation technology for deep proteome profiling. <i>Journal of Chromatography A</i> , <b>2017</b> , 1498, 207-214                                        | 4.5  | 17 |
| 92  | Microfluidic Air Sampler for Highly Efficient Bacterial Aerosol Collection and Identification. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 11504-11512                                                                                                      | 7.8  | 17 |
| 91  | Quantitative Profiling of Combinational K27/K36 Modifications on Histone H3 Variants in Mouse Organs. <i>Journal of Proteome Research</i> , <b>2016</b> , 15, 1070-9                                                                                            | 5.6  | 16 |
| 90  | Facile synthesis of hydrophilic polyamidoxime polymers as a novel solid-phase extraction matrix for sequential characterization of glyco- and phosphoproteomes. <i>Analytica Chimica Acta</i> , <b>2016</b> , 907, 69-76                                        | 6.6  | 16 |
| 89  | Polydopamine Grafted Porous Graphene as Biocompatible Nanoreactor for Efficient Identification of Membrane Proteins. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 6363-70                                                                   | 9.5  | 16 |
| 88  | Three-Dimensional Plasmonic Trap Array for Ultrasensitive Surface-Enhanced Raman Scattering Analysis of Single Cells. <i>Analytical Chemistry</i> , <b>2018</b> , 90, 10394-10399                                                                               | 7.8  | 16 |
| 87  | Community evaluation of glycoproteomics informatics solutions reveals high-performance search strategies for serum glycopeptide analysis. <i>Nature Methods</i> , <b>2021</b> , 18, 1304-1316                                                                   | 21.6 | 16 |
| 86  | Deficiency Accumulates l-2-Hydroxyglutarate with Progressive Leukoencephalopathy and Neurodegeneration. <i>Molecular and Cellular Biology</i> , <b>2017</b> , 37,                                                                                               | 4.8  | 15 |
| 85  | Identification of HPV integration and gene mutation in HeLa cell line by integrated analysis of RNA-Seq and MS/MS data. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 1678-86                                                                         | 5.6  | 15 |

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| 84 | Time-resolved electrochromic properties of MoO <sub>3</sub> thin films electrodeposited on a flexible substrate. <i>Journal of Solid State Electrochemistry</i> , <b>2003</b> , 7, 244-248                                                                                                                                                                           | 2.6  | 15 |
| 83 | Special Enrichment Strategies Greatly Increase the Efficiency of Missing Proteins Identification from Regular Proteome Samples. <i>Journal of Proteome Research</i> , <b>2015</b> , 14, 3680-92                                                                                                                                                                      | 5.6  | 14 |
| 82 | Site-specific structural characterization of O-glycosylation and identification of phosphorylation sites of recombinant osteopontin. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , <b>2015</b> , 1854, 581-91                                                                                                                                     | 4    | 14 |
| 81 | Bacterial Whole Cell Typing by Mass Spectra Pattern Matching with Bootstrapping Assessment. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12556-12561                                                                                                                                                                                                              | 7.8  | 14 |
| 80 | Amperometric Biosensor Coupled to Capillary Electrophoresis for Glucose Determination. <i>Mikrochimica Acta</i> , <b>2005</b> , 150, 239-245                                                                                                                                                                                                                         | 5.8  | 14 |
| 79 | A Sensitive Microchip-Based Immunosensor for Electrochemical Detection of Low-Level Biomarker S100B. <i>Electroanalysis</i> , <b>2013</b> , 25, 1050-1055                                                                                                                                                                                                            | 3    | 13 |
| 78 | Recent developments of nanoparticle-based enrichment methods for mass spectrometric analysis in proteomics. <i>Science China Chemistry</i> , <b>2010</b> , 53, 695-703                                                                                                                                                                                               | 7.9  | 13 |
| 77 | Mettl17, a regulator of mitochondrial ribosomal RNA modifications, is required for the translation of mitochondrial coding genes. <i>FASEB Journal</i> , <b>2019</b> , 33, 13040-13050                                                                                                                                                                               | 0.9  | 12 |
| 76 | Multifunctional nanoreactor for comprehensive characterization of membrane proteins based on surface functionalized mesoporous foams. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 9360-7                                                                                                                                                                         | 7.8  | 12 |
| 75 | Slurry nebulization in plasmas for analysis of advanced ceramic materials. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2014</b> , 29, 2091-2103                                                                                                                                                                                                            | 3.7  | 12 |
| 74 | Precise, fast and comprehensive analysis of intact glycopeptides and modified glycans with pGlyco3. <i>Nature Methods</i> , <b>2021</b> , 18, 1515-1523                                                                                                                                                                                                              | 21.6 | 12 |
| 73 | Locus-specific Retention Predictor (LsRP): A Peptide Retention Time Predictor Developed for Precision Proteomics. <i>Scientific Reports</i> , <b>2017</b> , 7, 43959                                                                                                                                                                                                 | 4.9  | 10 |
| 72 | Novel RNA-Affinity Proteogenomics Dissects Tumor Heterogeneity for Revealing Personalized Markers in Precision Prognosis of Cancer. <i>Cell Chemical Biology</i> , <b>2018</b> , 25, 619-633.e5                                                                                                                                                                      | 8.2  | 10 |
| 71 | Recent advances in the fabrication and detection of lectin microarrays and their application in glycobiology analysis. <i>Analytical Methods</i> , <b>2014</b> , 6, 2003-2014                                                                                                                                                                                        | 3.2  | 10 |
| 70 | Facile preparation of 3-D floor-like ordered mesoporous carbon functionalized graphene composites and its application for selective enrichment of N-glycans from human serum. <i>Talanta</i> , <b>2017</b> , 174, 689-695                                                                                                                                            | 6.2  | 10 |
| 69 | Proteomic analysis of primary duck hepatocytes infected with duck hepatitis B virus. <i>Proteome Science</i> , <b>2010</b> , 8, 28                                                                                                                                                                                                                                   | 2.6  | 10 |
| 68 | Sensitive and Precise Characterization of Combinatorial Histone Modifications by Selective Derivatization Coupled with RPLC-ETHcD-MS/MS. <i>Journal of Proteome Research</i> , <b>2017</b> , 16, 780-787                                                                                                                                                             | 5.6  | 9  |
| 67 | Solving signal instability to maintain the second-order advantage in the resolution and determination of multi-analytes in complex systems by modeling liquid chromatography-mass spectrometry data using alternating trilinear decomposition method assisted with piecewise direct standardization. <i>Journal of Chromatography A</i> , <b>2015</b> , 1407, 157-68 | 4.5  | 9  |



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| 66 | LC-MS/MS and SWATH based serum metabolomics enables biomarker discovery in pancreatic cancer. <i>Clinica Chimica Acta</i> , <b>2020</b> , 506, 214-221                                                                                                               | 6.2  | 9 |
| 65 | Transcriptome and proteome of human hepatocellular carcinoma reveal shared metastatic pathways with significant genes. <i>Proteomics</i> , <b>2015</b> , 15, 1793-800                                                                                                | 4.8  | 9 |
| 64 | Preparation of a high-concentration nm-size ceramic silicon carbide slurry for the ICP-OES determination of ultra-trace impurities in a sample. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2010</b> , 25, 1482                                            | 3.7  | 9 |
| 63 | A multi-parallel N-glycopeptide enrichment strategy for high-throughput and in-depth mapping of the N-glycoproteome in metastatic human hepatocellular carcinoma cell lines. <i>Talanta</i> , <b>2019</b> , 199, 254-261                                             | 6.2  | 8 |
| 62 | Increased Collagen Type V $\alpha$ (COL5A2) in Colorectal Cancer is Associated with Poor Prognosis and Tumor Progression. <i>OncoTargets and Therapy</i> , <b>2021</b> , 14, 2991-3002                                                                               | 4.4  | 8 |
| 61 | Target induced interfacial self-assembly of nanoparticles: A new platform for reproducible quantification of copper ions. <i>Talanta</i> , <b>2016</b> , 158, 254-261                                                                                                | 6.2  | 8 |
| 60 | Development of amphiphile 4-armed PEO-based Ti complex for highly selective enrichment of phosphopeptides. <i>Talanta</i> , <b>2019</b> , 204, 670-676                                                                                                               | 6.2  | 7 |
| 59 | Direct determination of trace impurities in high-purity silicon nitride by axial viewed inductively coupled plasma optical emission spectrometry using a slurry nebulization technique. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2015</b> , 30, 909-915 | 3.7  | 7 |
| 58 | Mapping and analyzing the human liver proteome: progress and potential. <i>Expert Review of Proteomics</i> , <b>2016</b> , 13, 833-43                                                                                                                                | 4.2  | 7 |
| 57 | In-tip nanoreactors for cancer cells proteome profiling. <i>Analytica Chimica Acta</i> , <b>2017</b> , 949, 43-52                                                                                                                                                    | 6.6  | 7 |
| 56 | Photoaffinity-engineered protein scaffold for systematically exploring native phosphotyrosine signaling complexes in tumor samples. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, E8863-E8872          | 11.5 | 7 |
| 55 | Protein-protein correlations based variable dimension expansion algorithm for high efficient serum biomarker discovery. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1119, 25-34                                                                                    | 6.6  | 6 |
| 54 | Sensitive and fast beverage/fruit antioxidant evaluation by TiO <sub>2</sub> -Au/graphene nanocomposites coupled with MALDI-MS. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30 Suppl 1, 128-32                                                  | 2.2  | 6 |
| 53 | Alkaline fusion-alkaline mode HG-ICP spectrometry for selenium determination. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2002</b> , 17, 534-536                                                                                                           | 3.7  | 6 |
| 52 | Effective Enrichment Strategy Using Boronic Acid-Functionalized Mesoporous Graphene-Silica Composites for Intact N- and O-Linked Glycopeptide Analysis in Human Serum. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 6682-6691                                     | 7.8  | 6 |
| 51 | A novel triplex isobaric termini labeling quantitative approach for simultaneously supplying three quantitative sources. <i>Analytica Chimica Acta</i> , <b>2018</b> , 1001, 70-77                                                                                   | 6.6  | 6 |
| 50 | In-gel NHS-propionate derivatization for histone post-translational modifications analysis in <i>Arabidopsis thaliana</i> . <i>Analytica Chimica Acta</i> , <b>2015</b> , 886, 107-13                                                                                | 6.6  | 5 |
| 49 | Microchip-based strategy for enrichment of acetylated proteins. <i>Mikrochimica Acta</i> , <b>2013</b> , 180, 613-618                                                                                                                                                | 5.8  | 5 |

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| 48 | Recent advances in proteolysis and peptide/protein separation by chromatographic strategies. <i>Science China Chemistry</i> , <b>2010</b> , 53, 685-694                          | 7.9  | 5 |
| 47 | Enhanced Ionization of Phosphopeptide Using Ammonium Phosphate as Matrix Additive by MALDI-MS. <i>Chinese Journal of Chemistry</i> , <b>2008</b> , 26, 1863-1869                 | 4.9  | 5 |
| 46 | Sol-gel-derived Poly(dimethylsiloxane) Enzymatic Reactor for Microfluidic Peptide Mapping. <i>Chinese Journal of Chemistry</i> , <b>2006</b> , 24, 903-909                       | 4.9  | 5 |
| 45 | GproDIA enables data-independent acquisition glycoproteomics with comprehensive statistical control. <i>Nature Communications</i> , <b>2021</b> , 12, 6073                       | 17.4 | 5 |
| 44 | Precise, Fast and Comprehensive Analysis of Intact Glycopeptides and Monosaccharide-Modifications with pGlyco3                                                                   |      | 5 |
| 43 | Data from a proteomic analysis of colonic fibroblasts secretomes. <i>Data in Brief</i> , <b>2014</b> , 1, 19-24                                                                  | 1.2  | 4 |
| 42 | An ultrafast and highly efficient enrichment method for both N-Glycopeptides and N-Glycans by bacterial cellulose. <i>Analytica Chimica Acta</i> , <b>2020</b> , 1140, 60-68     | 6.6  | 4 |
| 41 | Quantitative proteomics reveals stage-specific protein regulation of triple negative breast cancer. <i>Breast Cancer Research and Treatment</i> , <b>2021</b> , 185, 39-52       | 4.4  | 4 |
| 40 | OGP: A Repository of Experimentally Characterized O-Glycoproteins to Facilitate Studies on O-Glycosylation. <i>Genomics, Proteomics and Bioinformatics</i> , <b>2021</b> ,       | 6.5  | 4 |
| 39 | Community Evaluation of Glycoproteomics Informatics Solutions Reveals High-Performance Search Strategies of Serum N- and O-Glycopeptide Data                                     |      | 4 |
| 38 | SIRT5 is important for bacterial infection by regulating insulin secretion and glucose homeostasis. <i>Protein and Cell</i> , <b>2020</b> , 11, 846-851                          | 7.2  | 3 |
| 37 | Identification of potential serum biomarkers of acute paraquat poisoning in humans using an iTRAQ quantitative proteomic.. <i>RSC Advances</i> , <b>2018</b> , 8, 10598-10609    | 3.7  | 3 |
| 36 | Combination of extraction tip and MALDI-TOF-MS for efficient separation and analysis of cysteine-containing peptides. <i>Science China Chemistry</i> , <b>2014</b> , 57, 703-707 | 7.9  | 3 |
| 35 | TiO <sub>2</sub> -functionalized mesoporous materials for sensitive analysis of multi-phosphopeptides. <i>Science China Chemistry</i> , <b>2011</b> , 54, 1327-1333              | 7.9  | 3 |
| 34 | Circulating proteomic panels for risk stratification of intracranial aneurysm and its rupture.. <i>EMBO Molecular Medicine</i> , <b>2022</b> , e14713                            | 12   | 3 |
| 33 | Rapid Sample Preparation Workflow for Serum Sample Analysis with Different Mass Spectrometry Acquisition Strategies. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 1578-1585   | 7.8  | 3 |
| 32 | SIRT5 Contributes to Colorectal Cancer Growth by Regulating T Cell Activity. <i>Journal of Immunology Research</i> , <b>2020</b> , 2020, 3792409                                 | 4.5  | 3 |
| 31 | Quantitative analysis of post-translational modifications of histone H3 variants during the cell cycle. <i>Analytica Chimica Acta</i> , <b>2019</b> , 1080, 116-126              | 6.6  | 2 |



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| 30 | Response of peptide intensity to concentration in ESI-MS-based proteome. <i>Science China Chemistry</i> , <b>2014</b> , 57, 686-694                                                                                        | 7.9 | 2 |
| 29 | Hierarchically ordered macro/mesoporous alumina nanoreactor with multi-functions in phosphoproteomics. <i>Analytical Methods</i> , <b>2013</b> , 5, 6572                                                                   | 3.2 | 2 |
| 28 | Peptide-tight ESI/MSn analysis with segment of liquid chromatography effluent. <i>Analytical Methods</i> , <b>2013</b> , 5, 3371                                                                                           | 3.2 | 2 |
| 27 | Immobilization of Antibodies on Magnetic Carbonaceous Microspheres for Selective Enrichment of Lysine-acetylated Proteins and Peptides. <i>Chinese Journal of Chemistry</i> , <b>2012</b> , 30, 2549-2555                  | 4.9 | 2 |
| 26 | Hierarchical Fe-ZSM-5 zeolite monolithic column for enhanced phosphorylated protein immobilization and identification. <i>Analytical Methods</i> , <b>2012</b> , 4, 2644                                                   | 3.2 | 2 |
| 25 | Adding Auxiliary Electrode—An Effective Method for Enhancing Signal-to-Noise Ratio in Nanospray Mass Spectrometry. <i>Analytical Letters</i> , <b>2004</b> , 37, 2711-2720                                                 | 2.2 | 2 |
| 24 | Multi-laboratory analysis of the variability of shipped samples for proteomics following non-cooled international transport. <i>Analytical Biochemistry</i> , <b>2018</b> , 548, 60-65                                     | 3.1 | 1 |
| 23 | Self-aspiration sampling extractive electrospray ionization mass spectrometry (EESI-MS) for high-throughput analysis of liquid samples. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30 Suppl 1, 56-61 | 2.2 | 1 |
| 22 | Global insight into N-glycome and N-glycoproteome of three most abundant snake venoms in Asia. <i>Chemical Research in Chinese Universities</i> , <b>2014</b> , 30, 726-730                                                | 2.2 | 1 |
| 21 | Comprehensive Profiling for Histone H4 of Human Liver Cells Using High Resolution LTQ-Orbitrap Mass Spectrometry. <i>Chinese Journal of Chemistry</i> , <b>2011</b> , 29, 171-177                                          | 4.9 | 1 |
| 20 | Analytical progress for protein glycosylation in China. <i>Frontiers of Chemistry in China: Selected Publications From Chinese Universities</i> , <b>2009</b> , 4, 360-367                                                 |     | 1 |
| 19 | Comprehensive mass spectrometry for development of proteomic biomarkers of intracranial aneurysms.. <i>Talanta</i> , <b>2021</b> , 240, 123159                                                                             | 6.2 | 1 |
| 18 | OGP: A Repository of Experimentally Characterized O-Glycoproteins to Facilitate Studies on O-Glycosylation                                                                                                                 |     | 1 |
| 17 | Outer Membrane Protease OmpT-Based Strategy for Simplified Analysis of Histone Post-Translational Modifications by Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 732-739                              | 7.8 | 1 |
| 16 | Optimized MALDI-TOF MS Strategy for Characterizing Polymers. <i>Frontiers in Chemistry</i> , <b>2021</b> , 9, 698297                                                                                                       | 5   | 1 |
| 15 | Enhancement of E-cadherin expression and processing and driving of cancer cell metastasis by ARID1A deficiency. <i>Oncogene</i> , <b>2021</b> , 40, 5468-5481                                                              | 9.2 | 1 |
| 14 | Metastasis-related genes in hepatocellular carcinoma cell-lines are clustered on chromosome territories predicted by transcriptome and proteome. <i>Science China Chemistry</i> , <b>2016</b> , 59, 380-382                | 7.9 | 1 |
| 13 | Aperture-controllable nano-electrospray emitter and its application in cardiac proteome analysis. <i>Talanta</i> , <b>2020</b> , 207, 120340                                                                               | 6.2 | 1 |

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| 12 | Computational and Mass Spectrometry-Based Approach Identify Deleterious Non-Synonymous Single Nucleotide Polymorphisms (nsSNPs) in JMJD6. <i>Molecules</i> , <b>2021</b> , 26,                                                                                                   | 4.8 | 1 |
| 11 | Sequence Pattern Correlation of Amino Acid in Collision-induced Dissociation Electrospray Ionization Mass Spectrometry. <i>Chinese Journal of Chemistry</i> , <b>2010</b> , 20, 467-473                                                                                          | 4.9 | 0 |
| 10 | Puromycin-Modified Silica Microsphere-Based Nascent Proteomics Method for Rapid and Deep Nascent Proteome Profile. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 6403-6413                                                                                                     | 7.8 | 0 |
| 9  | Metabolomics analysis provides new insights into the medicinal value of flavonoids in tobacco leaves. <i>Molecular Omics</i> , <b>2021</b> , 17, 620-629                                                                                                                         | 4.4 | 0 |
| 8  | Microarray investigation of glycan remodeling during macrophage polarization reveals $\alpha$ 6 sialic acid as an anti-inflammatory indicator. <i>Molecular Omics</i> , <b>2021</b> , 17, 565-571                                                                                | 4.4 | 0 |
| 7  | Precision N-Glycoproteomic Profiling of Murine Peritoneal Macrophages After Different Stimulations. <i>Frontiers in Immunology</i> , <b>2021</b> , 12, 722293                                                                                                                    | 8.4 | 0 |
| 6  | Ferrisilicalite-1 Zeolite Monolith-Based Affinitive Recognition of Intracellular Phosphorylated Protein Alteration in <i>Tetrahymena thermophila</i> Exposed to Photodegradates of Roxarsone and p-Arsanilic Acid. <i>Clean - Soil, Air, Water</i> , <b>2014</b> , 42, 1798-1807 | 1.6 |   |
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