

Sarah Cianferani

List of Publications by Year in descending order

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Version: 2024-02-01

143
papers

3,724
citations

147801

31
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182427

51
g-index

151
all docs

151
docs citations

151
times ranked

5163
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Proteomic analysis of <i>Rhodospirillum rubrum</i> after carbon monoxide exposure reveals an important effect on metallic cofactor biosynthesis. <i>Journal of Proteomics</i> , 2022, 250, 104389. | 2.4 | 3 |
| 2 | Probing the mechanism of peroxiredoxin decamer interaction with its reductase sulfiredoxin from the single molecule to the solution scale. <i>Nanoscale Horizons</i> , 2022, , . | 8.0 | 0 |
| 3 | A Confinement-Driven Nucleation Mechanism of Metal Oxide Nanoparticles Obtained via Thermal Decomposition in Organic Media. <i>Small</i> , 2022, 18, e2200414. | 10.0 | 5 |
| 4 | Repeated Exposure of Macrophages to Synthetic Amorphous Silica Induces Adaptive Proteome Changes and a Moderate Cell Activation. <i>Nanomaterials</i> , 2022, 12, 1424. | 4.1 | 3 |
| 5 | Combination of IM-Based Approaches to Unravel the Coexistence of Two Conformers on a Therapeutic Multispecific mAb. <i>Analytical Chemistry</i> , 2022, 94, 7981-7989. | 6.5 | 9 |
| 6 | Does size matter? A proteomics-informed comparison of the effects of polystyrene beads of different sizes on macrophages. <i>Environmental Science: Nano</i> , 2022, 9, 2827-2840. | 4.3 | 4 |
| 7 | Upconversion in a $[RuYb_3]$ Supramolecular Assembly. <i>Journal of the American Chemical Society</i> , 2022, 144, 13356-13365. | 13.7 | 16 |
| 8 | Structural and Biochemical Investigation of the Heterodimeric Murine tRNA-Guanine Transglycosylase. <i>ACS Chemical Biology</i> , 2022, 17, 2229-2247. | 3.4 | 7 |
| 9 | Optimized Sample Preparation and Data Processing of Data-Independent Acquisition Methods for the Robust Quantification of Trace-Level Host Cell Protein Impurities in Antibody Drug Products. <i>Journal of Proteome Research</i> , 2021, 20, 923-931. | 3.7 | 17 |
| 10 | Fast Afucosylation Profiling of Glycoengineered Antibody Subunits by Middle-Up Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2021, 2271, 73-83. | 0.9 | 2 |
| 11 | Structural studies of RNase M5 reveal two-metal-ion supported two-step dsRNA cleavage for 5S rRNA maturation. <i>RNA Biology</i> , 2021, 18, 1-11. | 3.1 | 1 |
| 12 | Combining label-free and label-based accurate quantifications with SWATH-MS: Comparison with SRM and PRM for the evaluation of bovine muscle type effects. <i>Proteomics</i> , 2021, 21, e2000214. | 2.2 | 5 |
| 13 | Pushing the limits of native MS: Online SEC-native MS for structural biology applications. <i>International Journal of Mass Spectrometry</i> , 2021, 461, 116502. | 1.5 | 22 |
| 14 | A structural signature motif enlightens the origin and diversification of nuclear receptors. <i>PLoS Genetics</i> , 2021, 17, e1009492. | 3.5 | 8 |
| 15 | A Class of Valuable (Pro-)Activity-Based Protein Profiling Probes: Application to the Redox-Active Antiplasmodial Agent, Plasmodione. <i>Jacs Au</i> , 2021, 1, 669-689. | 7.9 | 4 |
| 16 | Temporal multiomic modeling reveals a B-cell receptor proliferative program in chronic lymphocytic leukemia. <i>Leukemia</i> , 2021, 35, 1463-1474. | 7.2 | 6 |
| 17 | Proteo3Dnet: a web server for the integration of structural information with interactomics data. <i>Nucleic Acids Research</i> , 2021, 49, W567-W572. | 14.5 | 5 |
| 18 | A proteomic view of cellular responses of macrophages to copper when added as ion or as copper-polyacrylate complex. <i>Journal of Proteomics</i> , 2021, 239, 104178. | 2.4 | 1 |

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|----|---|------|-----------|
| 19 | A proteomic-informed view of the changes induced by loss of cellular adherence: The example of mouse macrophages. <i>PLoS ONE</i> , 2021, 16, e0252450. | 2.5 | 2 |
| 20 | State-of-the-Art Native Mass Spectrometry and Ion Mobility Methods to Monitor Homogeneous Site-Specific Antibody-Drug Conjugates Synthesis. <i>Pharmaceuticals</i> , 2021, 14, 498. | 3.8 | 16 |
| 21 | High-Resolution IMS-MS to Assign Additional Disulfide Bridge Pairing in Complementarity-Determining Regions of an IgG4 Monoclonal Antibody. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2505-2512. | 2.8 | 13 |
| 22 | Iron Stearate Structures: An Original Tool for Nanoparticles Design. <i>Inorganic Chemistry</i> , 2021, 60, 12445-12456. | 4.0 | 14 |
| 23 | Rab7-harboring vesicles are carriers of the transferrin receptor through the biosynthetic secretory pathway. <i>Science Advances</i> , 2021, 7, . | 10.3 | 11 |
| 24 | Strongly Adhesive and Antimicrobial Peptide-Loaded, Alginate-Catechol-Based Gels for Application against Periimplantitis. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10050. | 2.5 | 2 |
| 25 | Hands on Native Mass Spectrometry Analysis of Multi-protein Complexes. <i>Methods in Molecular Biology</i> , 2021, 2247, 173-191. | 0.9 | 1 |
| 26 | Bicyclo[6.1.0]nonyne carboxylic acid for the production of stable molecular probes. <i>RSC Advances</i> , 2021, 11, 36777-36780. | 3.6 | 0 |
| 27 | <i>Toxoplasma gondii</i> ROP16 kinase silences the cyclin B1 gene promoter by hijacking host cell UHRF1-dependent epigenetic pathways. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 2141-2156. | 5.4 | 15 |
| 28 | VHH characterization. Recombinant VHHs: Production, characterization and affinity. <i>Analytical Biochemistry</i> , 2020, 589, 113491. | 2.4 | 9 |
| 29 | Homogeneous antibody-drug conjugates: DAR 2 anti-HER2 obtained by conjugation on isolated light chain followed by mAb assembly. <i>MAbs</i> , 2020, 12, 1702262. | 5.2 | 9 |
| 30 | Automated linkage of proteins and payloads producing monodisperse conjugates. <i>Chemical Science</i> , 2020, 11, 1210-1215. | 7.4 | 19 |
| 31 | Structural basis for DNA recognition and allosteric control of the retinoic acid receptors RAR-RXR. <i>Nucleic Acids Research</i> , 2020, 48, 9969-9985. | 14.5 | 17 |
| 32 | Molecular determinants of MED1 interaction with the DNA bound VDR-RXR heterodimer. <i>Nucleic Acids Research</i> , 2020, 48, 11199-11213. | 14.5 | 17 |
| 33 | Structures of <i>B. subtilis</i> Maturation RNases Captured on 50S Ribosome with Pre-rRNAs. <i>Molecular Cell</i> , 2020, 80, 227-236.e5. | 9.7 | 12 |
| 34 | How Reversible Are the Effects of Fumed Silica on Macrophages? A Proteomics-Informed View. <i>Nanomaterials</i> , 2020, 10, 1939. | 4.1 | 7 |
| 35 | Software Requirements for the Analysis and Interpretation of Native Ion Mobility Mass Spectrometry Data. <i>Analytical Chemistry</i> , 2020, 92, 10881-10890. | 6.5 | 17 |
| 36 | Computational Strategies and Challenges for Using Native Ion Mobility Mass Spectrometry in Biophysics and Structural Biology. <i>Analytical Chemistry</i> , 2020, 92, 10872-10880. | 6.5 | 24 |

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|----|---|------|-----------|
| 37 | Frontispiece: Investigating Ugi/Passerini Multicomponent Reactions for the Site-Selective Conjugation of Native Trastuzumab. <i>Chemistry - A European Journal</i> , 2020, 26, . | 3.3 | 0 |
| 38 | The Importance of Charge in Perturbing the Aromatic Glue Stabilizing the Protein-Protein Interface of Homodimeric tRNA-Guanine Transglycosylase. <i>ACS Chemical Biology</i> , 2020, 15, 3021-3029. | 3.4 | 3 |
| 39 | Toward Automation of Collision-Induced Unfolding Experiments through Online Size Exclusion Chromatography Coupled to Native Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 12900-12908. | 6.5 | 18 |
| 40 | On the use of DNA as a linker in antibody-drug conjugates: synthesis, stability and in vitro potency. <i>Scientific Reports</i> , 2020, 10, 7691. | 3.3 | 20 |
| 41 | Middle Level IM-MS and CIU Experiments for Improved Therapeutic Immunoglobulin Subclass Fingerprinting. <i>Analytical Chemistry</i> , 2020, 92, 8827-8835. | 6.5 | 14 |
| 42 | Glycan-Mediated Technology for Obtaining Homogeneous Site-Specific Conjugated Antibody-Drug Conjugates: Synthesis and Analytical Characterization by Using Complementary Middle-up LC/HRMS Analysis. <i>Analytical Chemistry</i> , 2020, 92, 8170-8177. | 6.5 | 17 |
| 43 | $\text{A}\beta^2(1-42)$ tetramer and octamer structures reveal edge conductivity pores as a mechanism for membrane damage. <i>Nature Communications</i> , 2020, 11, 3014. | 12.8 | 162 |
| 44 | Ethnylation of Cysteine Residues: From Peptides to Proteins in Vitro and in Living Cells. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 10961-10970. | 13.8 | 46 |
| 45 | The longer the worse: a combined proteomic and targeted study of the long-term versus short-term effects of silver nanoparticles on macrophages. <i>Environmental Science: Nano</i> , 2020, 7, 2032-2046. | 4.3 | 11 |
| 46 | Investigating Ugi/Passerini Multicomponent Reactions for the Site-Selective Conjugation of Native Trastuzumab**. <i>Chemistry - A European Journal</i> , 2020, 26, 13797-13805. | 3.3 | 17 |
| 47 | Proline: an efficient and user-friendly software suite for large-scale proteomics. <i>Bioinformatics</i> , 2020, 36, 3148-3155. | 4.1 | 155 |
| 48 | (Thia)calixarenephosphonic Acids as Potent Inhibitors of the Nucleic Acid Chaperone Activity of the HIV-1 Nucleocapsid Protein with a New Binding Mode and Multitarget Antiviral Activity. <i>ACS Infectious Diseases</i> , 2020, 6, 687-702. | 3.8 | 9 |
| 49 | Determination of size variants by CE-SDS for approved therapeutic antibodies: Key implications of subclasses and light chain specificities. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2020, 184, 113166. | 2.8 | 30 |
| 50 | Probing Protein Interaction Networks by Combining MS-Based Proteomics and Structural Data Integration. <i>Journal of Proteome Research</i> , 2020, 19, 2807-2820. | 3.7 | 6 |
| 51 | Insight on the Impact of the Reduction Step on the Site-Directed Conjugation of an Anti-HER2 Cysteine-Engineered Antibody. <i>ChemistrySelect</i> , 2020, 5, 3187-3190. | 1.5 | 0 |
| 52 | Drug Loading and Distribution of ADCs After Reduction or IdeS Digestion and Reduction. <i>Methods in Molecular Biology</i> , 2020, 2078, 187-195. | 0.9 | 2 |
| 53 | Analysis of ADCs by Native Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2020, 2078, 197-211. | 0.9 | 2 |
| 54 | VHH characterization. Comparison of recombinant with chemically synthesized anti-HER2 VHH. <i>Protein Science</i> , 2019, 28, 1865-1879. | 7.6 | 16 |

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|----|--|------|-----------|
| 55 | A Case Study to Identify the Drug Conjugation Site of a Site-Specific Antibody-Drug-Conjugate Using Middle-Down Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2419-2429. | 2.8 | 23 |
| 56 | An Investigation into the Stephensâ€Castro Synthesis of Dehydrotriaryl[12]annulenes: Factors Influencing the Cyclotrimerization. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 6783-6795. | 2.4 | 1 |
| 57 | Cutting-edge multi-level analytical and structural characterization of antibody-drug conjugates: present and future. <i>Expert Review of Proteomics</i> , 2019, 16, 337-362. | 3.0 | 47 |
| 58 | A Proteomic View of Cellular Responses to Anticancer Quinoline-Copper Complexes. <i>Proteomes</i> , 2019, 7, 26. | 3.5 | 12 |
| 59 | A Combined N-terminomics and Shotgun Proteomics Approach to Investigate the Responses of Human Cells to Rapamycin and Zinc at the Mitochondrial Level. <i>Molecular and Cellular Proteomics</i> , 2019, 18, 1085-1095. | 3.8 | 3 |
| 60 | How reversible are the effects of silver nanoparticles on macrophages? A proteomic-instructed view. <i>Environmental Science: Nano</i> , 2019, 6, 3133-3157. | 4.3 | 21 |
| 61 | Synthesis and biological evaluation of 2.4 nm thiolate-protected gold nanoparticles conjugated to Cetuximab for targeting glioblastoma cancer cells via the EGFR. <i>Nanotechnology</i> , 2019, 30, 184005. | 2.6 | 24 |
| 62 | Recurrent activating mutations of PPARÎ³ associated with luminal bladder tumors. <i>Nature Communications</i> , 2019, 10, 253. | 12.8 | 44 |
| 63 | Reductionâ€rebridging strategy for the preparation of ADPN-based antibodyâ€drug conjugates. <i>MedChemComm</i> , 2018, 9, 827-830. | 3.4 | 24 |
| 64 | Hyphenation of size exclusion chromatography to native ion mobility mass spectrometry for the analytical characterization of therapeutic antibodies and related products. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1086, 176-183. | 2.3 | 69 |
| 65 | Arginine-selective bioconjugation with 4-azidophenyl glyoxal: application to the single and dual functionalisation of native antibodies. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1305-1311. | 2.8 | 30 |
| 66 | An Online Four-Dimensional HICâ€SEC-IMâ€MS Methodology for Proof-of-Concept Characterization of Antibody Drug Conjugates. <i>Analytical Chemistry</i> , 2018, 90, 1578-1586. | 6.5 | 75 |
| 67 | Adding a new separation dimension to MS and LCâ€MS: What is the utility of ion mobility spectrometry?. <i>Journal of Separation Science</i> , 2018, 41, 20-67. | 2.5 | 140 |
| 68 | Peptide deformylases from <i>Vibrio parahaemolyticus</i> phage and bacteria display similar deformylase activity and inhibitor binding clefts. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2018, 1866, 348-355. | 2.3 | 4 |
| 69 | Dual Data-Independent Acquisition Approach Combining Global HCP Profiling and Absolute Quantification of Key Impurities during Bioprocess Development. <i>Analytical Chemistry</i> , 2018, 90, 1241-1247. | 6.5 | 26 |
| 70 | Structure-Based Identification of HIV-1 Nucleocapsid Protein Inhibitors Active against Wild-Type and Drug-Resistant HIV-1 Strains. <i>ACS Chemical Biology</i> , 2018, 13, 253-266. | 3.4 | 13 |
| 71 | Combinatorial regulation of hepatic cytoplasmic signaling and nuclear transcriptional events by the OGT/REV-ERBÎ± complex. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E11033-E11042. | 7.1 | 35 |
| 72 | A quantitative proteomic analysis of cofilin phosphorylation in myeloid cells and its modulation using the LIM kinase inhibitor Pyr1. <i>PLoS ONE</i> , 2018, 13, e0208979. | 2.5 | 11 |

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|----|---|------|-----------|
| 73 | Morphine Binds Creatine Kinase B and Inhibits Its Activity. <i>Frontiers in Cellular Neuroscience</i> , 2018, 12, 464. | 3.7 | 7 |
| 74 | A Novel Online Four-Dimensional SEC-SEC-IM-MS Methodology for Characterization of Monoclonal Antibody Size Variants. <i>Analytical Chemistry</i> , 2018, 90, 13929-13937. | 6.5 | 49 |
| 75 | The H ₂ O ₂ -Resistant Fe ^S Redox Switch MitoNEET Acts as a pH Sensor To Repair Stress-Damaged Fe ^S Protein. <i>Biochemistry</i> , 2018, 57, 5616-5628. | 2.5 | 16 |
| 76 | The RPAP3-Cterminal domain identifies R2TP-like quaternary chaperones. <i>Nature Communications</i> , 2018, 9, 2093. | 12.8 | 59 |
| 77 | Extended investigation of tube-gel sample preparation: a versatile and simple choice for high throughput quantitative proteomics. <i>Scientific Reports</i> , 2018, 8, 8260. | 3.3 | 3 |
| 78 | Formation of Mono- and Polynuclear Luminescent Lanthanide Complexes based on the Coordination of Preorganized Phosphonated Pyridines. <i>Inorganic Chemistry</i> , 2018, 57, 6095-6106. | 4.0 | 21 |
| 79 | Native Mass Spectrometry, Ion Mobility, and Collision-Induced Unfolding for Conformational Characterization of IgG4 Monoclonal Antibodies. <i>Analytical Chemistry</i> , 2018, 90, 8865-8872. | 6.5 | 51 |
| 80 | Stable isotope-labelled morphine to study <i>in vivo</i> central and peripheral morphine glucuronidation and brain transport in tolerant mice. <i>British Journal of Pharmacology</i> , 2018, 175, 3844-3856. | 5.4 | 10 |
| 81 | Austausch der Proteinkontaktflächen in der homodimeren tRNA-Guanin-Transglycosylase: ein Weg der funktionellen Regulation. <i>Angewandte Chemie</i> , 2018, 130, 10242-10247. | 2.0 | 2 |
| 82 | Multi-OMICS analyses unveil <i>STAT1</i> as a potential modifier gene in mevalonate kinase deficiency. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 1675-1687. | 0.9 | 19 |
| 83 | The ESCRT-III Protein CHMP1A Mediates Secretion of Sonic Hedgehog on a Distinctive Subtype of Extracellular Vesicles. <i>Cell Reports</i> , 2018, 24, 973-986.e8. | 6.4 | 79 |
| 84 | Deep Structural Analysis of RPAP3 and PIH1D1, Two Components of the HSP90 Co-chaperone R2TP Complex. <i>Structure</i> , 2018, 26, 1196-1209.e8. | 3.3 | 36 |
| 85 | Cytosolic Diffusion and Peptide-Assisted Nuclear Shuttling of Peptide-Substituted Circa 102 Gold Atom Nanoclusters in Living Cells. <i>ACS Applied Nano Materials</i> , 2018, 1, 4236-4246. | 5.0 | 10 |
| 86 | The nuclear bile acid receptor FXR is a PKA- and FOXA2-sensitive activator of fasting hepatic gluconeogenesis. <i>Journal of Hepatology</i> , 2018, 69, 1099-1109. | 3.7 | 40 |
| 87 | Evolutionary insights into Trm112-methyltransferase holoenzymes involved in translation between archaea and eukaryotes. <i>Nucleic Acids Research</i> , 2018, 46, 8483-8499. | 14.5 | 37 |
| 88 | Homodimer Architecture of QTRT2, the Noncatalytic Subunit of the Eukaryotic tRNA-Guanine Transglycosylase. <i>Biochemistry</i> , 2018, 57, 3953-3965. | 2.5 | 8 |
| 89 | Swapping Interface Contacts in the Homodimeric tRNA-Guanine Transglycosylase: An Option for Functional Regulation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10085-10090. | 13.8 | 10 |
| 90 | Activation mode of the eukaryotic m ² G ¹⁰ tRNA methyltransferase Trm11 by its partner protein Trm112. <i>Nucleic Acids Research</i> , 2017, 45, gkw1271. | 14.5 | 23 |

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|-----|---|------|-----------|
| 91 | Generic Hybrid Ligand Binding Assay Liquid Chromatography High-Resolution Mass Spectrometry-Based Workflow for Multiplexed Human Immunoglobulin G1 Quantification at the Intact Protein Level: Application to Preclinical Pharmacokinetic Studies. <i>Analytical Chemistry</i> , 2017, 89, 2628-2635. | 6.5 | 39 |
| 92 | Development of a fast workflow to screen the charge variants of therapeutic antibodies. <i>Journal of Chromatography A</i> , 2017, 1498, 147-154. | 3.7 | 31 |
| 93 | Insights from native mass spectrometry approaches for top- and middle- level characterization of site-specific antibody-drug conjugates. <i>MAbs</i> , 2017, 9, 801-811. | 5.2 | 55 |
| 94 | Acyl Fluorides: Fast, Efficient, and Versatile Lysine-Based Protein Conjugation via Plug-and-Play Strategy. <i>Bioconjugate Chemistry</i> , 2017, 28, 1452-1457. | 3.6 | 31 |
| 95 | Differential proteomics highlights macrophage-specific responses to amorphous silica nanoparticles. <i>Nanoscale</i> , 2017, 9, 9641-9658. | 5.6 | 31 |
| 96 | A Direct One-Pot Synthesis of Asymmetric Dehydrobenzopyrido[12]annulenes and Their Physicochemical Properties. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4625-4632. | 2.4 | 1 |
| 97 | The intricate network between the p34 and p44 subunits is central to the activity of the transcription/DNA repair factor TFIIH. <i>Nucleic Acids Research</i> , 2017, 45, 10872-10883. | 14.5 | 21 |
| 98 | Epitope characterization of anti-JAM-A antibodies using orthogonal mass spectrometry and surface plasmon resonance approaches. <i>MAbs</i> , 2017, 9, 1317-1326. | 5.2 | 11 |
| 99 | Development and evaluation of β -galactosidase-sensitive antibody-drug conjugates. <i>European Journal of Medicinal Chemistry</i> , 2017, 142, 376-382. | 5.5 | 38 |
| 100 | EB1-binding α -myomegalin protein complex promotes centrosomal microtubules functions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E10687-E10696. | 7.1 | 28 |
| 101 | Structural studies of protein arginine methyltransferase 2 reveal its interactions with potential substrates and inhibitors. <i>FEBS Journal</i> , 2017, 284, 77-96. | 4.7 | 25 |
| 102 | Structural characterization of the yeast CF IA complex through a combination of mass spectrometry approaches. <i>International Journal of Mass Spectrometry</i> , 2017, 420, 57-66. | 1.5 | 5 |
| 103 | Distinct roles of Pcf11 zinc-binding domains in pre-mRNA 3'-end processing. <i>Nucleic Acids Research</i> , 2017, 45, 10115-10131. | 14.5 | 11 |
| 104 | Importance of the Sequence-Directed DNA Shape for Specific Binding Site Recognition by the Estrogen-Related Receptor. <i>Frontiers in Endocrinology</i> , 2017, 8, 140. | 3.5 | 12 |
| 105 | Soaking suggests α -alternative facts: Only co-crystallization discloses major ligand-induced interface rearrangements of a homodimeric tRNA-binding protein indicating a novel mode-of-inhibition. <i>PLoS ONE</i> , 2017, 12, e0175723. | 2.5 | 30 |
| 106 | A ruthenium anticancer compound interacts with histones and impacts differently on epigenetic and death pathways compared to cisplatin. <i>Oncotarget</i> , 2017, 8, 2568-2584. | 1.8 | 44 |
| 107 | Probing Supramolecular Interactions between a Crown Ether Appended Zinc Phthalocyanine and an Ammonium Group Appended to a C ₆₀ Derivative. <i>Chemistry - A European Journal</i> , 2016, 22, 2051-2059. | 3.3 | 13 |
| 108 | Step by Step Assembly of Polynuclear Lanthanide Complexes with a Phosphonated Bipyridine Ligand. <i>Inorganic Chemistry</i> , 2016, 55, 12962-12974. | 4.0 | 15 |

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|-----|---|-----|-----------|
| 109 | Functional and Structural Insights of the Zinc-Finger HIT protein family members Involved in Box C/D snoRNP Biogenesis. <i>Journal of Molecular Biology</i> , 2016, 428, 2488-2506. | 4.2 | 20 |
| 110 | SMART Digest, compared with pellet digestion for analysis of human immunoglobulin G1 in rat serum by liquid chromatography tandem mass spectrometry. <i>Analytical Biochemistry</i> , 2016, 501, 23-25. | 2.4 | 8 |
| 111 | Insights from native mass spectrometry and ion mobility-mass spectrometry for antibody and antibody-based product characterization. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1032, 79-90. | 2.3 | 48 |
| 112 | Quantitative analysis of hlgG1 in monkey serum by LC-MS/MS using mass spectrometric immunoassay. <i>Bioanalysis</i> , 2016, 8, 1035-1049. | 1.5 | 3 |
| 113 | The flexibility of a generic LC-MS/MS method for the quantitative analysis of therapeutic proteins based on human immunoglobulin G and related constructs in animal studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 131, 214-222. | 2.8 | 11 |
| 114 | Culture medium associated changes in the core proteome of macrophages and in their responses to copper oxide nanoparticles. <i>Proteomics</i> , 2016, 16, 2864-2877. | 2.2 | 2 |
| 115 | Palladium-Catalyzed Chemoselective and Biocompatible Functionalization of Cysteine-Containing Molecules at Room Temperature. <i>Chemistry - A European Journal</i> , 2016, 22, 11365-11370. | 3.3 | 51 |
| 116 | Looking for Missing Proteins in the Proteome of Human Spermatozoa: An Update. <i>Journal of Proteome Research</i> , 2016, 15, 3998-4019. | 3.7 | 66 |
| 117 | Benchmarking sample preparation/digestion protocols reveals tube-gel being a fast and repeatable method for quantitative proteomics. <i>Proteomics</i> , 2016, 16, 2953-2961. | 2.2 | 15 |
| 118 | The use of generic surrogate peptides for the quantitative analysis of human immunoglobulin G1 in pre-clinical species with high-resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 1687-1699. | 3.7 | 20 |
| 119 | Spiked proteomic standard dataset for testing label-free quantitative software and statistical methods. <i>Data in Brief</i> , 2016, 6, 286-294. | 1.0 | 30 |
| 120 | A combined proteomic and targeted analysis unravels new toxic mechanisms for zinc oxide nanoparticles in macrophages. <i>Journal of Proteomics</i> , 2016, 134, 174-185. | 2.4 | 41 |
| 121 | Cutting-edge mass spectrometry methods for the multi-level structural characterization of antibody-drug conjugates. <i>Expert Review of Proteomics</i> , 2016, 13, 157-183. | 3.0 | 91 |
| 122 | Benchmarking quantitative label-free LC-MS data processing workflows using a complex spiked proteomic standard dataset. <i>Journal of Proteomics</i> , 2016, 132, 51-62. | 2.4 | 68 |
| 123 | MetAP1 and MetAP2 drive cell selectivity for a potent anti-cancer agent in synergy, by controlling glutathione redox state. <i>Oncotarget</i> , 2016, 7, 63306-63323. | 1.8 | 32 |
| 124 | Semi-synthesis of a HGF/SF kringle one (K1) domain scaffold generates a potent in vivo MET receptor agonist. <i>Chemical Science</i> , 2015, 6, 2110-2121. | 7.4 | 26 |
| 125 | Combining native MS approaches to decipher archaeal box H/ACA ribonucleoprotein particle structure and activity. <i>Proteomics</i> , 2015, 15, 2851-2861. | 2.2 | 9 |
| 126 | Towards integrative structural mass spectrometry: Benefits from hybrid approaches. <i>Methods</i> , 2015, 89, 4-12. | 3.8 | 24 |

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|-----|---|------|-----------|
| 127 | CBTF: New Amine-to-Thiol Coupling Reagent for Preparation of Antibody Conjugates with Increased Plasma Stability. <i>Bioconjugate Chemistry</i> , 2015, 26, 197-200. | 3.6 | 53 |
| 128 | Cutting-edge mass spectrometry characterization of originator, biosimilar and biobetter antibodies. <i>Journal of Mass Spectrometry</i> , 2015, 50, 285-297. | 1.6 | 109 |
| 129 | Native mass spectrometry and ion mobility characterization of trastuzumab emtansine, a lysine-linked antibody drug conjugate. <i>Protein Science</i> , 2015, 24, 1210-1223. | 7.6 | 113 |
| 130 | What Glues a Homodimer Together: Systematic Analysis of the Stabilizing Effect of an Aromatic Hot Spot in the Protein-Protein Interface of the tRNA-Modifying Enzyme Tgt. <i>ACS Chemical Biology</i> , 2015, 10, 1897-1907. | 3.4 | 19 |
| 131 | Characterization of the N-Terminal Heterogeneities of Monoclonal Antibodies Using In-Gel Charge Derivatization of ϵ -Amines and LC-MS/MS. <i>Analytical Chemistry</i> , 2015, 87, 3784-3790. | 6.5 | 28 |
| 132 | Intermolecular recognition of the non-coding RNA 7SK and HEXIM protein in perspective. <i>Biochimie</i> , 2015, 117, 63-71. | 2.6 | 16 |
| 133 | Ion mobility coupled to native mass spectrometry as a relevant tool to investigate extremely small ligand-induced conformational changes. <i>Analyst</i> , 2015, 140, 7234-7245. | 3.5 | 32 |
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