

Lingjun Li

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.

220
papers

6,306
citations

43
h-index

67
g-index

231
ext. papers

7,549
ext. citations

5.6
avg, IF

6.37
L-index

#	Paper	IF	Citations
220	Native Ion Mobility-Mass Spectrometry-Enabled Fast Structural Interrogation of Labile Protein Surface Modifications at the Intact Protein Level.. <i>Analytical Chemistry</i> , 2022 ,	7.8	1
219	On-tissue amidation of sialic acid with aniline for sensitive imaging of sialylated N-glycans from FFPE tissue sections via MALDI mass spectrometry.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	1
218	SLC13A5/sodium-citrate co-transporter overexpression causes disrupted white matter integrity and an autistic-like phenotype.. <i>Brain Communications</i> , 2022 , 4, fcac002	4.5	1
217	Isotopic N,N-dimethyl leucine tags for absolute quantification of clusterin and apolipoprotein E in Alzheimer's disease.. <i>Journal of Proteomics</i> , 2022 , 257, 104507	3.9	0
216	Multiplexed quantitative neuropeptidomics via DiLeu isobaric tagging.. <i>Methods in Enzymology</i> , 2022 , 663, 235-257	1.7	
215	Complementary proteome and glycoproteome access revealed through comparative analysis of reversed phase and porous graphitic carbon chromatography.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
214	Recent Advances in Understanding of Alzheimer's Disease Progression Through Mass Spectrometry-Based Metabolomics. <i>Phenomics</i> , 2022 , 2, 1-17		1
213	Nanosecond Photochemical Reaction (nsPCR) for Enhanced Mass Spectrometric Identification, Quantification, and Visualization of Metabolites and Neuropeptides.. <i>Methods in Molecular Biology</i> , 2022 , 2437, 143-157	1.4	0
212	Mass Spectrometric Profiling of Neuropeptides in Response to Copper Toxicity via Isobaric Tagging. <i>Chemical Research in Toxicology</i> , 2021 , 34, 1329-1336	4	3
211	Exploring the Sexual Dimorphism of Crustacean Neuropeptide Expression Using a Model Organism. <i>Journal of Proteome Research</i> , 2021 , 20, 2739-2750	5.6	2
210	Neuropeptidomics: Improvements in Mass Spectrometry Imaging Analysis and Recent Advancements. <i>Current Protein and Peptide Science</i> , 2021 , 22, 158-169	2.8	7
209	High-resolution magnetic resonance and mass spectrometry imaging of the human larynx. <i>Journal of Anatomy</i> , 2021 , 239, 545-556	2.9	2
208	Counterion Optimization Dramatically Improves Selectivity for Phosphopeptides and Glycopeptides in Electrostatic Repulsion-Hydrophilic Interaction Chromatography. <i>Analytical Chemistry</i> , 2021 , 93, 7908-7916	7.8	7
207	Simultaneous enrichment and separation of neutral and sialyl glycopeptides of SARS-CoV-2 spike protein enabled by dual-functionalized Ti-IMAC material. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 7295-7303	4.4	4
206	Dual-Functional Ti(IV)-IMAC Material Enables Simultaneous Enrichment and Separation of Diverse Glycopeptides and Phosphopeptides. <i>Analytical Chemistry</i> , 2021 , 93, 8568-8576	7.8	7
205	Mass spectrometry profiling and quantitation of changes in circulating hormones secreted over time in <i>Cancer borealis</i> hemolymph due to feeding behavior. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 1	4.4	1
204	Discovery of anti-infective adipostatins through bioactivity-guided isolation and heterologous expression of a type III polyketide synthase. <i>Bioorganic Chemistry</i> , 2021 , 112, 104925	5.1	1

203	DiLeuPMP: A Multiplexed Isobaric Labeling Method for Quantitative Analysis of -Glycans. <i>Analytical Chemistry</i> , 2021 , 93, 9845-9852	7.8	0
202	Recent Advances in Mass Spectrometry-Based Glycomic and Glycoproteomic Studies of Pancreatic Diseases. <i>Frontiers in Chemistry</i> , 2021 , 9, 707387	5	4
201	Recent Advances in Analytical Approaches for Glycan and Glycopeptide Quantitation. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100054	7.6	29
200	Extraction optimization for combined metabolomics, peptidomics, and proteomics analysis of gut microbiota samples. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4625	2.2	3
199	Acetyl-CoA flux from the cytosol to the ER regulates engagement and quality of the secretory pathway. <i>Scientific Reports</i> , 2021 , 11, 2013	4.9	6
198	Complementary neuropeptide detection in crustacean brain by mass spectrometry imaging using formalin and alternative aqueous tissue washes. <i>Analytical and Bioanalytical Chemistry</i> , 2021 , 413, 2665-2673	4.4	2
197	Recent Developments and Applications of Quantitative Proteomics Strategies for High-Throughput Biomolecular Analyses in Cancer Research. <i>RSC Chemical Biology</i> , 2021 , 4, 1050-1072	3	2
196	In-depth Site-specific Analysis of N-glycoproteome in Human Cerebrospinal Fluid and Glycosylation Landscape Changes in Alzheimer's Disease. <i>Molecular and Cellular Proteomics</i> , 2021 , 20, 100081	7.6	12
195	Proteome-wide and matrisome-specific alterations during human pancreas development and maturation. <i>Nature Communications</i> , 2021 , 12, 1020	17.4	10
194	Mass Spectrometry Quantification, Localization, and Discovery of Feeding-Related Neuropeptides in. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 782-798	5.7	6
193	Targeted Top-Down Mass Spectrometry for the Characterization and Tissue-Specific Functional Discovery of Crustacean Hyperglycemic Hormones (CHH) and CHH Precursor-Related Peptides in Response to Low pH Stress. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1352-1360	3.5	1
192	Developing mass spectrometry for the quantitative analysis of neuropeptides. <i>Expert Review of Proteomics</i> , 2021 , 18, 607-621	4.2	1
191	Informs Extrasynaptic Volume Transmission in Nematodes. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 3176-3188	3.9	1
190	PKM2-TMEM33 axis regulates lipid homeostasis in cancer cells by controlling SCAP stability. <i>EMBO Journal</i> , 2021 , 40, e108065	13	3
189	Recent advances in mass spectrometry analysis of neuropeptides. <i>Mass Spectrometry Reviews</i> , 2021 , e21734	11	3
188	Gold nanoparticles in virus detection: Recent advances and potential considerations for SARS-CoV-2 testing development. <i>Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology</i> , 2021 , e1754	9.2	5
187	Quantification and molecular imaging of fatty acid isomers from complex biological samples by mass spectrometry. <i>Chemical Science</i> , 2021 , 12, 8115-8122	9.4	7
186	Analysis of pancreatic extracellular matrix protein post-translational modifications electrostatic repulsion-hydrophilic interaction chromatography coupled with mass spectrometry. <i>Molecular Omics</i> , 2021 , 17, 652-664	4.4	3

185	Symbiont-Mediated Protection of Leaf-Cutter Ants from the Entomopathogenic Fungus <i>Metarhizium anisopliae</i> . <i>MBio</i> , 2021 , 12, e0188521	7.8	0
184	The Spatiotemporal Dynamics of Low-abundance Bioactive Lipids in Arteries Undergoing Restenosis Observed and Identified at High Spatial Resolving Power with Multi-modal Mass Spectrometry Imaging. <i>Microscopy and Microanalysis</i> , 2020 , 26, 2510-2511	0.5	
183	ADVANCES IN HIGH-RESOLUTION MALDI MASS SPECTROMETRY FOR NEUROBIOLOGY. <i>Mass Spectrometry Reviews</i> , 2020 ,	11	4
182	Glycopeptide Biomarkers in Serum Haptoglobin for Hepatocellular Carcinoma Detection in Patients with Nonalcoholic Steatohepatitis. <i>Journal of Proteome Research</i> , 2020 , 19, 3452-3466	5.6	21
181	Isobaric Labeling Strategy Utilizing 4-Plex ϵ -Dimethyl Leucine (DiLeu) Tags Reveals Proteomic Changes Induced by Chemotherapy in Cerebrospinal Fluid of Children with B-Cell Acute Lymphoblastic Leukemia. <i>Journal of Proteome Research</i> , 2020 , 19, 2606-2616	5.6	3
180	21-plex DiLeu Isobaric Tags for High-Throughput Quantitative Proteomics. <i>Analytical Chemistry</i> , 2020 , 92, 8228-8234	7.8	20
179	A Simple and Effective Sample Preparation Strategy for MALDI-MS Imaging of Neuropeptide Changes in the Crustacean Brain Due to Hypoxia and Hypercapnia Stress. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1058-1065	3.5	11
178	Liquid Chromatography Tandem Mass Spectrometry Based Label-Free Quantification Method for Assessment of Allergen-Induced Anaphylactoid Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 856-863	3.5	0
177	Mass Defect-Based DiLeu Tagging for Multiplexed Data-Independent Acquisition. <i>Analytical Chemistry</i> , 2020 , 92, 11119-11126	7.8	9
176	Spatiotemporal Proteomics Reveals the Molecular Consequences of Hormone Treatment in a Mouse Model of Lower Urinary Tract Dysfunction. <i>Journal of Proteome Research</i> , 2020 , 19, 1375-1382	5.6	4
175	Temporal Study of the Perturbation of Crustacean Neuropeptides Due to Severe Hypoxia Using 4-Plex Reductive Dimethylation. <i>Journal of Proteome Research</i> , 2020 , 19, 1548-1555	5.6	8
174	Neuropeptides in gut-brain axis and their influence on host immunity and stress. <i>Computational and Structural Biotechnology Journal</i> , 2020 , 18, 843-851	6.8	22
173	PRESnovo: Prescreening Prior to Sequencing to Improve Accuracy and Sensitivity of Neuropeptide Identification. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1358-1371	3.5	2
172	and lactational 2,3,7,8-tetrachlorodibenzo-dioxin (TCDD) exposure exacerbates urinary dysfunction in hormone-treated C57BL/6J mice through a non-malignant mechanism involving proteomic changes in the prostate that differ from those elicited by testosterone and estradiol. <i>American Journal of Clinical and Experimental Urology</i> , 2020 , 8, 59-72	1.6	7
171	Sample preparation strategies for high-throughput mass spectrometry imaging of primary tumor organoids. <i>Journal of Mass Spectrometry</i> , 2020 , 55, e4452	2.2	13
170	Signature-Ion-Triggered Mass Spectrometry Approach Enabled Discovery of N- and O-Linked Glycosylated Neuropeptides in the Crustacean Nervous System. <i>Journal of Proteome Research</i> , 2020 , 19, 634-643	5.6	16
169	Subresidue-Resolution Footprinting of Ligand-Protein Interactions by Carbene Chemistry and Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020 , 92, 947-956	7.8	4
168	Urinary Amine Metabolomics Characterization with Custom 12-Plex Isobaric DiLeu Labeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1854-1860	3.5	3

167	Neuropeptidomic Profiling and Localization in the Crustacean Cardiac Ganglion Using Mass Spectrometry Imaging with Multiple Platforms. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 2469-2478	3.5	0
166	Highly multiplexed quantitative proteomic and phosphoproteomic analyses in vascular smooth muscle cell dedifferentiation. <i>Analytica Chimica Acta</i> , 2020 , 1127, 163-173	6.6	1
165	On-Tissue Derivatization with Girard's Reagent P Enhances N-Glycan Signals for Formalin-Fixed Paraffin-Embedded Tissue Sections in MALDI Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2020 , 92, 13361-13368	7.8	18
164	Mass Spectrometric Profiling of Neuropeptides in during Hypoxia Stress. <i>ACS Chemical Neuroscience</i> , 2020 , 11, 3097-3106	5.7	3
163	Integrated Label-Free and 10-Plex DiLeu Isobaric Tag Quantitative Methods for Profiling Changes in the Mouse Hypothalamic Neuropeptidome and Proteome: Assessment of the Impact of the Gut Microbiome. <i>Analytical Chemistry</i> , 2020 , 92, 14021-14030	7.8	6
162	Improved structural elucidation of peptide isomers and their receptors using advanced ion mobility-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 124, 115546	14.6	10
161	MALDI Mass Spectrometry Imaging of Peptides in Medicago truncatula Root Nodules. <i>Methods in Molecular Biology</i> , 2020 , 2139, 341-351	1.4	1
160	Acetyl-CoA flux regulates the proteome and acetyl-proteome to maintain intracellular metabolic crosstalk. <i>Nature Communications</i> , 2019 , 10, 3929	17.4	14
159	Mass Spectrometry Imaging of N-Glycans from Formalin-Fixed Paraffin-Embedded Tissue Sections Using a Novel Subatmospheric Pressure Ionization Source. <i>Analytical Chemistry</i> , 2019 , 91, 12942-12947	7.8	8
158	Metandem: An online software tool for mass spectrometry-based isobaric labeling metabolomics. <i>Analytica Chimica Acta</i> , 2019 , 1088, 99-106	6.6	16
157	A strategy for identifying species-specific peptide biomarkers in deer-hide gelatin using untargeted and targeted mass spectrometry approaches. <i>Analytica Chimica Acta</i> , 2019 , 1092, 32-41	6.6	15
156	Omics Technologies to Understand Activation of a Biosynthetic Gene Cluster in Micromonospora sp. WM235: Deciphering Keyicin Biosynthesis. <i>ACS Chemical Biology</i> , 2019 , 14, 1260-1270	4.9	7
155	In Depth Quantification of Extracellular Matrix Proteins from Human Pancreas. <i>Journal of Proteome Research</i> , 2019 , 18, 3156-3165	5.6	19
154	High-Resolution Enabled 5-plex Mass Defect-Based N, N-Dimethyl Leucine Tags for Quantitative Proteomics. <i>Analytical Chemistry</i> , 2019 , 91, 7991-7995	7.8	8
153	Multifaceted Mass Spectrometric Investigation of Neuropeptide Changes in Atlantic Blue Crab, <i>Callinectes sapidus</i> , in Response to Low pH Stress. <i>Journal of Proteome Research</i> , 2019 , 18, 2759-2770	5.6	14
152	Quantitative proteomic analysis of a genetically induced prostate inflammation mouse model via custom 4-plex DiLeu isobaric labeling. <i>American Journal of Physiology - Renal Physiology</i> , 2019 , 316, F1236-F1243	4.2	5
151	Data Independent Acquisition Mass Spectrometry Method for Improved Neuropeptidomic Coverage in Crustacean Neural Tissue Extracts. <i>Analytical Chemistry</i> , 2019 , 91, 5150-5158	7.8	16
150	Visualization and Identification of Neurotransmitters in Crustacean Brain via Multifaceted Mass Spectrometric Approaches. <i>ACS Chemical Neuroscience</i> , 2019 , 10, 1222-1229	5.7	22

149	Dual-Functional Titanium(IV) Immobilized Metal Affinity Chromatography Approach for Enabling Large-Scale Profiling of Protein Mannose-6-Phosphate Glycosylation and Revealing Its Predominant Substrates. <i>Analytical Chemistry</i> , 2019 , 91, 11589-11597	7.8	19
148	Multiplex Quantitative Glycomics Enabled by Periodate Oxidation and Triplex Mass Defect Isobaric Multiplex Reagents for Carbonyl-Containing Compound Tags. <i>Analytical Chemistry</i> , 2019 , 91, 11932-11937	7.8	11
147	Discovery of Missing Methylation Sites on Endogenous Peptides of Human Cell Lines. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2537-2547	3.5	0
146	Peroxymonosulfate Oxidizes Amino Acids in Water without Activation. <i>Environmental Science & Technology</i> , 2019 , 53, 10845-10854	10.3	37
145	Finding the Sweet Spot in ERLIC Mobile Phase for Simultaneous Enrichment of N-Glyco and Phosphopeptides. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2491-2501	3.5	17
144	Nanosecond photochemically promoted click chemistry for enhanced neuropeptide visualization and rapid protein labeling. <i>Nature Communications</i> , 2019 , 10, 4697	17.4	13
143	Molecular basis for chirality-regulated self-assembly and receptor recognition revealed by ion mobility-mass spectrometry. <i>Nature Communications</i> , 2019 , 10, 5038	17.4	17
142	Quantitative Proteomics for Analyses of Multiple Samples in Parallel with Chemical Perturbation 2019 , 39-65		0
141	Isolation and characterization of glycosylated neuropeptides. <i>Methods in Enzymology</i> , 2019 , 626, 147-202.	7	5
140	Capillary electrophoresis coupled to MALDI mass spectrometry imaging with large volume sample stacking injection for improved coverage of <i>C. borealis</i> neuropeptidome. <i>Analyst, The</i> , 2019 , 145, 61-69	5	13
139	Mass Spectrometric Imaging Reveals Temporal and Spatial Dynamics of Bioactive Lipids in Arteries Undergoing Restenosis. <i>Journal of Proteome Research</i> , 2019 , 18, 1669-1678	5.6	12
138	Urinary Metabolomic and Proteomic Analyses in a Mouse Model of Prostatic Inflammation. <i>Urine</i> , 2019 , 1, 17-23	1.8	2
137	HOTMAQ: A Multiplexed Absolute Quantification Method for Targeted Proteomics. <i>Analytical Chemistry</i> , 2019 , 91, 2112-2119	7.8	11
136	Characterizing and alleviating ion suppression effects in atmospheric pressure matrix-assisted laser desorption/ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2019 , 33, 327-335	2.2	12
135	Isobaric Multiplex Labeling Reagents for Carbonyl-Containing Compound (SUGAR) Tags: A Probe for Quantitative Glycomic Analysis. <i>Analytical Chemistry</i> , 2019 , 91, 3141-3146	7.8	22
134	Identification of Double Bond Position Isomers in Unsaturated Lipids by m-CPBA Epoxidation and Mass Spectrometry Fragmentation. <i>Analytical Chemistry</i> , 2019 , 91, 1791-1795	7.8	70
133	Recent advances in mass spectrometry (MS)-based glycoproteomics in complex biological samples. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 118, 880-892	14.6	38
132	Differential Quantitative Determination of Site-Specific Intact N-Glycopeptides in Serum Haptoglobin between Hepatocellular Carcinoma and Cirrhosis Using LC-ETHcD-MS/MS. <i>Journal of Proteome Research</i> , 2019 , 18, 359-371	5.6	35

131	A Strategy for Discovery and Verification of Candidate Biomarkers in Cerebrospinal Fluid of Preclinical Alzheimer's Disease. <i>Frontiers in Molecular Neuroscience</i> , 2018 , 11, 483	6.1	10
130	Identification, Quantitation, and Imaging of the Crustacean Peptidome. <i>Methods in Molecular Biology</i> , 2018 , 1719, 247-269	1.4	13
129	Neuropeptidomics of the Rat Habenular Nuclei. <i>Journal of Proteome Research</i> , 2018 , 17, 1463-1473	5.6	13
128	Profiling of small molecule metabolites and neurotransmitters in crustacean hemolymph and neuronal tissues using reversed-phase LC-MS/MS. <i>Electrophoresis</i> , 2018 , 39, 1241-1248	3.6	7
127	Large-Scale Differentiation and Site Specific Discrimination of Hydroxyproline Isomers by Electron Transfer/Higher-Energy Collision Dissociation (ETHcD) Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 5857-5864	7.8	12
126	New techniques, applications and perspectives in neuropeptide research. <i>Journal of Experimental Biology</i> , 2018 , 221,	3	21
125	A Multifaceted Mass Spectrometric Method to Probe Feeding Related Neuropeptide Changes in <i>Callinectes sapidus</i> and <i>Carcinus maenas</i> . <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 948-960	3.5	17
124	Relative Quantitation of Neuropeptides at Multiple Developmental Stages of the American Lobster Using N, N-Dimethyl Leucine Isobaric Tandem Mass Tags. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 2054-2063	5.7	7
123	A high resolution atmospheric pressure matrix-assisted laser desorption/ionization-quadrupole-orbitrap MS platform enables in situ analysis of biomolecules by multi-mode ionization and acquisition. <i>Analytica Chimica Acta</i> , 2018 , 1007, 16-25	6.6	18
122	Site-specific characterization and quantitation of N-glycopeptides in PKM2 knockout breast cancer cells using DiLeu isobaric tags enabled by electron-transfer/higher-energy collision dissociation (ETHcD). <i>Analyst, The</i> , 2018 , 143, 2508-2519	5	47
121	Coupling matrix-assisted ionization with high resolution mass spectrometry and electron transfer dissociation to characterize intact proteins and post-translational modifications. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 1007-1017	4.4	9
120	Characterization of intact sialylated glycopeptides and phosphorylated glycopeptides from IMAC enriched samples by ETHcD fragmentation: Toward combining phosphoproteomics and glycoproteomics. <i>International Journal of Mass Spectrometry</i> , 2018 , 427, 35-42	1.9	32
119	Extracellular matrix scaffold and hydrogel derived from decellularized and delipidized human pancreas. <i>Scientific Reports</i> , 2018 , 8, 10452	4.9	119
118	Increased N,N-Dimethyl Leucine Isobaric Tag Multiplexing by a Combined Precursor Isotopic Labeling and Isobaric Tagging Approach. <i>Analytical Chemistry</i> , 2018 , 90, 10664-10669	7.8	26
117	Comparison of Vacuum MALDI and AP-MALDI Platforms for the Mass Spectrometry Imaging of Metabolites Involved in Salt Stress in. <i>Frontiers in Plant Science</i> , 2018 , 9, 1238	6.2	21
116	Surfactant and Chaotropic Agent Assisted Sequential Extraction/On-Pellet Digestion (SCAD) for Enhanced Proteomics. <i>Journal of Proteome Research</i> , 2018 , 17, 2744-2754	5.6	10
115	Comparative Evaluation of MS-based Metabolomics Software and Its Application to Preclinical Alzheimer's Disease. <i>Scientific Reports</i> , 2018 , 8, 9291	4.9	25
114	Recent Advances and New Perspectives in Capillary Electrophoresis-Mass Spectrometry for Single Cell "Omics". <i>Molecules</i> , 2018 , 24,	4.8	18

113	Targeted MultiNotch MS Approach for Relative Quantification of N-Glycans Using Multiplexed Carbonyl-Reactive Isobaric Tags. <i>Analytical Chemistry</i> , 2018 , 90, 1129-1135	7.8	23
112	Recent advances in ion mobility-mass spectrometry for improved structural characterization of glycans and glycoconjugates. <i>Current Opinion in Chemical Biology</i> , 2018 , 42, 1-8	9.7	52
111	Mass Spectrometry Imaging: A Review of Emerging Advancements and Future Insights. <i>Analytical Chemistry</i> , 2018 , 90, 240-265	7.8	324
110	Gut Microbial and Metabolic Responses to Salmonella enterica Serovar Typhimurium and Candida albicans. <i>MBio</i> , 2018 , 9,	7.8	21
109	Trimetaphosphate Activates Prebiotic Peptide Synthesis across a Wide Range of Temperature and pH. <i>Origins of Life and Evolution of Biospheres</i> , 2018 , 48, 277-287	1.5	9
108	Comprehensive urinary metabolomic characterization of a genetically induced mouse model of prostatic inflammation. <i>International Journal of Mass Spectrometry</i> , 2018 , 434, 185-192	1.9	4
107	Quantitative Glycomic Analysis by Mass-Defect-Based Dimethyl Pyrimidinyl Ornithine (DiPyrO) Tags and High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 7817-7823	7.8	16
106	Imaging with Mass Spectrometry of Bacteria on the Exoskeleton of Fungus-Growing Ants. <i>ACS Chemical Biology</i> , 2017 , 12, 1980-1985	4.9	16
105	Improving data quality and preserving HCD-generated reporter ions with ETHcD for isobaric tag-based quantitative proteomics and proteome-wide PTM studies. <i>Analytica Chimica Acta</i> , 2017 , 968, 40-49	6.6	20
104	Mass Defect-Based N,N-Dimethyl Leucine Labels for Quantitative Proteomics and Amine Metabolomics of Pancreatic Cancer Cells. <i>Analytical Chemistry</i> , 2017 , 89, 1138-1146	7.8	39
103	Strategy Based on Deglycosylation, Multiprotease, and Hydrophilic Interaction Chromatography for Large-Scale Profiling of Protein Methylation. <i>Analytical Chemistry</i> , 2017 , 89, 12909-12917	7.8	18
102	Fast and Effective Ion Mobility-Mass Spectrometry Separation of d-Amino-Acid-Containing Peptides. <i>Analytical Chemistry</i> , 2017 , 89, 11787-11794	7.8	59
101	PKM2 methylation by CARM1 activates aerobic glycolysis to promote tumorigenesis. <i>Nature Cell Biology</i> , 2017 , 19, 1358-1370	23.4	129
100	Quantitative Mass Spectrometry Reveals Food Intake-Induced Neuropeptide Level Changes in Rat Brain: Functional Assessment of Selected Neuropeptides as Feeding Regulators. <i>Molecular and Cellular Proteomics</i> , 2017 , 16, 1922-1937	7.6	19
99	Targeted Mass Spectrometry Approach Enabled Discovery of O-Glycosylated Insulin and Related Signaling Peptides in Mouse and Human Pancreatic Islets. <i>Analytical Chemistry</i> , 2017 , 89, 9184-9191	7.8	29
98	Mass Defect-Based Dimethyl Pyrimidinyl Ornithine (DiPyrO) Tags for Multiplex Quantitative Proteomics. <i>Analytical Chemistry</i> , 2017 , 89, 10798-10805	7.8	15
97	Coculture of Marine Invertebrate-Associated Bacteria and Interdisciplinary Technologies Enable Biosynthesis and Discovery of a New Antibiotic, Keyicin. <i>ACS Chemical Biology</i> , 2017 , 12, 3093-3102	4.9	71
96	Electron-Transfer/Higher-Energy Collision Dissociation (ETHcD)-Enabled Intact Glycopeptide/Glycoproteome Characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1751-1764	3.5	125

95	Development of a hydrophilic interaction liquid chromatography coupled with matrix-assisted laser desorption/ionization-mass spectrometric imaging platform for N-glycan relative quantitation using stable-isotope labeled hydrazide reagents. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 4437-4447	4.4	18
94	Structural Characterization of Monomers and Oligomers of D-Amino Acid-Containing Peptides Using T-Wave Ion Mobility Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 110-118	3.5	18
93	Effects of Trimetaphosphate on Abiotic Formation and Hydrolysis of Peptides. <i>Life</i> , 2017 , 7,	3	9
92	Evaluation and Application of Dimethylated Amino Acids as Isobaric Tags for Quantitative Proteomics of the TGF- β /Smad3 Signaling Pathway. <i>Journal of Proteome Research</i> , 2016 , 15, 3420-31	5.6	14
91	Label-free quantitative comparison of cerebrospinal fluid glycoproteins and endogenous peptides in subjects with Alzheimer's disease, mild cognitive impairment, and healthy individuals. <i>Proteomics - Clinical Applications</i> , 2016 , 10, 1225-1241	3.1	23
90	In-Depth Characterization and Validation of Human Urine Metabolomes Reveal Novel Metabolic Signatures of Lower Urinary Tract Symptoms. <i>Scientific Reports</i> , 2016 , 6, 30869	4.9	26
89	Peroxymonosulfate Rapidly Inactivates the Disease-Associated Prion Protein. <i>Environmental Science & Technology</i> , 2016 , 50, 7095-105	10.3	36
88	Increased expression of AT-1/SLC33A1 causes an autistic-like phenotype in mice by affecting dendritic branching and spine formation. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1267-84	16.6	19
87	Quantitative analysis of serotonin secreted by human embryonic stem cells-derived serotonergic neurons via pH-mediated online stacking-CE-ESI-MRM. <i>Electrophoresis</i> , 2016 , 37, 1027-30	3.6	9
86	Matrix-assisted ionization vacuum for protein detection, fragmentation and PTM analysis on a high resolution linear ion trap-orbitrap platform. <i>Analytica Chimica Acta</i> , 2016 , 916, 52-9	6.6	17
85	High-Throughput Quantitative Proteomics Enabled by Mass Defect-Based 12-Plex DiLeu Isobaric Tags. <i>Methods in Molecular Biology</i> , 2016 , 1410, 169-94	1.4	10
84	Isotopic N,N-Dimethyl Leucine (iDiLeu) for Absolute Quantification of Peptides Using a Standard Curve Approach. <i>Methods in Molecular Biology</i> , 2016 , 1410, 195-206	1.4	5
83	Investigation of signaling molecules and metabolites found in crustacean hemolymph via in vivo microdialysis using a multifaceted mass spectrometric platform. <i>Electrophoresis</i> , 2016 , 37, 1031-8	3.6	16
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