Lingjun Li

List of Publications by Year
in descending order

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226	8,551	46918 47	71532 76
papers	citations	h-index	g-index

231	231	231	7077
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mass Spectrometry Imaging: A Review of Emerging Advancements and Future Insights. Analytical Chemistry, 2018, 90, 240-265.	3.2	625
2	PKM2 methylation by CARM1 activates aerobic glycolysis to promote tumorigenesis. Nature Cell Biology, 2017, 19, 1358-1370.	4.6	212
3	Extracellular matrix scaffold and hydrogel derived from decellularized and delipidized human pancreas. Scientific Reports, 2018, 8, 10452.	1.6	192
4	N,N-Dimethyl Leucines as Novel Isobaric Tandem Mass Tags for Quantitative Proteomics and Peptidomics. Analytical Chemistry, 2010, 82, 2817-2825.	3.2	169
5	Electron-Transfer/Higher-Energy Collision Dissociation (EThcD)-Enabled Intact Glycopeptide/Glycoproteome Characterization. Journal of the American Society for Mass Spectrometry, 2017, 28, 1751-1764.	1.2	169
6	Peptides in the Brain: Mass Spectrometryâ€“Based Measurement Approaches and Challenges. Annual Review of Analytical Chemistry, 2008, 1, 451-483.	2.8	136
7	Optimization and Comparison of Multiple MALDI Matrix Application Methods for Small Molecule Mass Spectrometric Imaging. Analytical Chemistry, 2014, 86, 10030-10035.	3.2	133
8	Mass spectrometric investigation of the neuropeptide complement and release in the pericardial organs of the crab, Cancer borealis. Journal of Neurochemistry, 2003, 87, 642-656.	2.1	130
9	Identification of Double Bond Position Isomers in Unsaturated Lipids by m-CPBA Epoxidation and Mass Spectrometry Fragmentation. Analytical Chemistry, 2019, 91, 1791-1795.	3.2	123
10	Characterization of the Carcinus maenas neuropeptidome by mass spectrometry and functional genomics. General and Comparative Endocrinology, 2009, 161, 320-334.	0.8	121
11	Three dimensional mapping of neuropeptides and lipids in crustacean brain by mass spectral imaging. Journal of the American Society for Mass Spectrometry, 2009, 20, 1068-1077.	1.2	119
12	<scp>MALDI</scp> mass spectrometryâ€assisted molecular imaging of metabolites during nitrogen fixation in the <scp>M</scp>edicago truncatulaâ€“<scp>S</scp>inorhizobium meliloti symbiosis. Plant Journal, 2013, 75, 130-145.	2.8	119
13	High-Resolution Enabled 12-Plex DiLeu Isobaric Tags for Quantitative Proteomics. Analytical Chemistry, 2015, 87, 1646-1654.	3.2	117
14	Imaging Mass Spectrometry of Neuropeptides in Decapod Crustacean Neuronal Tissues. Journal of Proteome Research, 2007, 6, 1782-1791.	1.8	115
15	Identification of putative crustacean neuropeptides using in silico analyses of publicly accessible expressed sequence tags. General and Comparative Endocrinology, 2008, 156, 246-264.	0.8	113
16	Biomarker discovery in mass spectrometryâ€based urinary proteomics. Proteomics - Clinical Applications, 2016, 10, 358-370.	0.8	110
17	Mass spectral characterization of peptide transmitters/hormones in the nervous system and neuroendocrine organs of the American lobster Homarus americanus. General and Comparative Endocrinology, 2008, 156, 395-409.	0.8	104
18	De Novo Sequencing of Neuropeptides Using Reductive Isotopic Methylation and Investigation of ESI QTOF MS/MS Fragmentation Pattern of Neuropeptides with N-Terminal Dimethylation. Analytical Chemistry, 2005, 77, 7783-7795.	3.2	101

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19	In Situ Sequencing of Peptides from Biological Tissues and Single Cells Using MALDIâ˜PSD/CID Analysis. Analytical Chemistry, 1999, 71, 5451-5458.	3.2	99
20	Coculture of Marine Invertebrate-Associated Bacteria and Interdisciplinary Technologies Enable Biosynthesis and Discovery of a New Antibiotic, Keyicin. ACS Chemical Biology, 2017, 12, 3093-3102.	1.6	98
21	Orcokinin peptides in developing and adult crustacean stomatogastric nervous systems and pericardial organs. Journal of Comparative Neurology, 2002, 444, 227-244.	0.9	95
22	Qualitative and quantitative mass spectrometry imaging of drugs and metabolites. Advanced Drug Delivery Reviews, 2013, 65, 1074-1085.	6.6	91
23	Site-Specific Characterization of <scp>d</scp>-Amino Acid Containing Peptide Epimers by Ion Mobility Spectrometry. Analytical Chemistry, 2014, 86, 2972-2981.	3.2	91
24	Rat Neuropeptidomics by LCâ˜MS/MS and MALDIâ˜FTMS:Â Enhanced Dissection and Extraction Techniques Coupled with 2D RP-RP HPLC. Journal of Proteome Research, 2006, 5, 3368-3375.	1.8	90
25	In Situ Tissue Analysis of Neuropeptides by MALDI FTMS In-Cell Accumulation. Analytical Chemistry, 2004, 76, 5630-5640.	3.2	87
26	Identification of neuropeptides from the decapod crustacean sinus glands using nanoscale liquid chromatography tandem mass spectrometry. Biochemical and Biophysical Research Communications, 2005, 337, 765-778.	1.0	78
27	Capillary Electrophoresis-Electrospray Ionization-Mass Spectrometry for Quantitative Analysis of Glycans Labeled with Multiplex Carbonyl-Reactive Tandem Mass Tags. Analytical Chemistry, 2015, 87, 6527-6534.	3.2	78
28	Fast and Effective Ion Mobilityâ€“Mass Spectrometry Separation of <scp>d</scp>-Amino-Acid-Containing Peptides. Analytical Chemistry, 2017, 89, 11787-11794.	3.2	76
29	Recent advances in ion mobilityâ€“mass spectrometry for improved structural characterization of glycans and glycoconjugates. Current Opinion in Chemical Biology, 2018, 42, 1-8.	2.8	69
30	Expanding the Crustacean Neuropeptidome Using a Multifaceted Mass Spectrometric Approach. Journal of Proteome Research, 2009, 8, 2426-2437.	1.8	68
31	Mass spectrometric characterization and physiological actions of novel crustacean C-type allatostatins. Peptides, 2009, 30, 1660-1668.	1.2	65
32	Modulation of Rhythmic Motor Activity by Pyrokinin Peptides. Journal of Neurophysiology, 2007, 97, 579-595.	0.9	63
33	Mass Spectral Analysis of Neuropeptide Expression and Distribution in the Nervous System of the Lobster Homarus americanus. Journal of Proteome Research, 2010, 9, 818-832.	1.8	62
34	Recent advances in coupling capillary electrophoresisâ€based separation techniques to ESI and MALDIâ€MS. Electrophoresis, 2014, 35, 1214-1225.	1.3	62
35	Peroxymonosulfate Oxidizes Amino Acids in Water without Activation. Environmental Science & Technology, 2019, 53, 10845-10854.	4.6	61
36	Recent advances in mass spectrometry (MS)-based glycoproteomics in complex biological samples. TrAC - Trends in Analytical Chemistry, 2019, 118, 880-892.	5.8	61

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37	Mass spectrometric characterization and physiological actions of VPNDWAHFRGSWamide, a novel B type allatostatin in the crab, Cancer borealis. Journal of Neurochemistry, 2007, 101, 1099-1107.	2.1	60
38	Midgut epithelial endocrine cells are a rich source of the neuropeptides APSGFLGMRamide (Cancer) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 borealis, Cancer magister and Cancer productus. Journal of Experimental Biology, 2007, 210, 699-714.	0.8	57
39	Mass spectrometric map of neuropeptide expression inAscaris suum. Journal of Comparative Neurology, 2005, 488, 396-413.	0.9	56
40	Recent Advances in Analytical Approaches for Glycan and Glycopeptide Quantitation. Molecular and Cellular Proteomics, 2021, 20, 100054.	2.5	56
41	Advances in Mass Spectrometric Tools for Probing Neuropeptides. Annual Review of Analytical Chemistry, 2015, 8, 485-509.	2.8	54
42	Site-specific characterization and quantitation ofN-glycopeptides in PKM2 knockout breast cancer cells using DiLeu isobaric tags enabled by electron-transfer/higher-energy collision dissociation (EThcD). Analyst, The, 2018, 143, 2508-2519.	1.7	54
43	Formation of N-Pyroglutamyl Peptides from N-Glu and N-Gln Precursors in Aplysia Neurons. Journal of Neurochemistry, 1999, 72, 676-681.	2.1	52
44	Relative quantification of amine-containing metabolites using isobaric N,N-dimethyl leucine (DiLeu) reagents via LC-ESI-MS/MS and CE-ESI-MS/MS. Analyst, The, 2015, 140, 467-475.	1.7	52
45	Measurement of neuropeptides in crustacean hemolymph via MALDI mass spectrometry. Journal of the American Society for Mass Spectrometry, 2009, 20, 708-718.	1.2	50
46	Differential Quantitative Determination of Site-Specific Intact N-Glycopeptides in Serum Haptoglobin between Hepatocellular Carcinoma and Cirrhosis Using LC-EThcD-MS/MS. Journal of Proteome Research, 2018, 18, 359-371.	1.8	50
47	Identification and cardiotropic actions of sulfakinin peptides in the American lobster Homarus americanus. Journal of Experimental Biology, 2007, 210, 2278-2289.	0.8	49
48	Mass Defect-Based N,N-Dimethyl Leucine Labels for Quantitative Proteomics and Amine Metabolomics of Pancreatic Cancer Cells. Analytical Chemistry, 2017, 89, 1138-1146.	3.2	49
49	In-depth Site-specific Analysis of N-glycoproteome in Human Cerebrospinal Fluid and Glycosylation Landscape Changes in Alzheimer's Disease. Molecular and Cellular Proteomics, 2021, 20, 100081.	2.5	48
50	Combining Microdialysis, NanoLC-MS, and MALDI-TOF/TOF To Detect Neuropeptides Secreted in the Crab, Cancer borealis. Analytical Chemistry, 2008, 80, 6949-6958.	3.2	46
51	Expression and distribution of neuropeptides in the nervous system of the crab Carcinus maenas and their roles in environmental stress. Proteomics, 2015, 15, 3969-3979.	1.3	45
52	Peroxymonosulfate Rapidly Inactivates the Disease-Associated Prion Protein. Environmental Science & Technology, 2016, 50, 7095-7105.	4.6	45
53	Comparative Evaluation of MS-based Metabolomics Software and Its Application to Preclinical Alzheimerâ€™s Disease. Scientific Reports, 2018, 8, 9291.	1.6	45
54	On-Tissue Derivatization with Girardâ€™s Reagent P Enhances N-Glycan Signals for Formalin-Fixed Paraffin-Embedded Tissue Sections in MALDI Mass Spectrometry Imaging. Analytical Chemistry, 2020, 92, 13361-13368.	3.2	45

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55	Neuropeptides in gut-brain axis and their influence on host immunity and stress. Computational and Structural Biotechnology Journal, 2020, 18, 843-851.	1.9	45
56	Mass spectrometric elucidation of the neuropeptidome of a crustacean neuroendocrine organ. Peptides, 2012, 36, 230-239.	1.2	44
57	Comparative Neuropeptidomic Analysis of Food Intake via a Multifaceted Mass Spectrometric Approach. ACS Chemical Neuroscience, 2010, 1, 204-214.	1.7	43
58	Mapping of Neuropeptides in the Crustacean Stomatogastric Nervous System by Imaging Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2013, 24, 134-147.	1.2	43
59	Large-Scale Collision Cross-Section Profiling on a Traveling Wave Ion Mobility Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2014, 25, 2009-2019.	1.2	42
60	Identification and characterization of a tachykinin-containing neuroendocrine organ in the commissural ganglion of the crab Cancer productus. Journal of Experimental Biology, 2005, 208, 3303-3319.	0.8	41
61	21-plex DiLeu Isobaric Tags for High-Throughput Quantitative Proteomics. Analytical Chemistry, 2020, 92, 8228-8234.	3.2	41
62	Mass spectral comparison of the neuropeptide complement of the stomatogastric ganglion and brain in the adult and embryonic lobster, Homarus americanus. Journal of Neurochemistry, 2008, 105, 690-702.	2.1	40
63	Combining capillary electrophoresis matrix-assisted laser desorption/ionization mass spectrometry and stable isotopic labeling techniques for comparative crustacean peptidomics. Journal of Chromatography A, 2010, 1217, 4463-4470.	1.8	40
64	Challenges and recent advances in mass spectrometric imaging of neurotransmitters. Bioanalysis, 2014, 6, 525-540.	0.6	40
65	Distribution and physiological effects of Bâ€type allatostatins (myoinhibitory peptides, MIPs) in the stomatogastric nervous system of the crab Cancer borealis. Journal of Comparative Neurology, 2011, 519, 2658-2676.	0.9	39
66	Comparison of Vacuum MALDI and AP-MALDI Platforms for the Mass Spectrometry Imaging of Metabolites Involved in Salt Stress in Medicago truncatula. Frontiers in Plant Science, 2018, 9, 1238.	1.7	39
67	Characterization of the Aplysia californicaCerebral Ganglion F Cluster. Journal of Neurophysiology, 1999, 81, 1251-1260.	0.9	38
68	Gold nanoparticles in virus detection: Recent advances and potential considerations for SARSâ€CoVâ€2 testing development. Wiley Interdisciplinary Reviews: Nanomedicine and Nanobiotechnology, 2022, 14, e1754.	3.3	38
69	Top-Down Proteomics with Mass Spectrometry Imaging: A Pilot Study towards Discovery of Biomarkers for Neurodevelopmental Disorders. PLoS ONE, 2014, 9, e92831.	1.1	37
70	Improved isobaric tandem mass tag quantification by ion mobility mass spectrometry. Rapid Communications in Mass Spectrometry, 2014, 28, 1051-1060.	0.7	37
71	Glycopeptide Biomarkers in Serum Haptoglobin for Hepatocellular Carcinoma Detection in Patients with Nonalcoholic Steatohepatitis. Journal of Proteome Research, 2020, 19, 3452-3466.	1.8	37
72	Quantitative Mass Spectrometry Reveals Food Intake-Induced Neuropeptide Level Changes in Rat Brain: Functional Assessment of Selected Neuropeptides as Feeding Regulators. Molecular and Cellular Proteomics, 2017, 16, 1922-1937.	2.5	36

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73	New techniques, applications and perspectives in neuropeptide research. Journal of Experimental Biology, 2018, 221, .	0.8	36
74	Characterization of intact sialylated glycopeptides and phosphorylated glycopeptides from IMAC enriched samples by EThcD fragmentation: Toward combining phosphoproteomics and glycoproteomics. International Journal of Mass Spectrometry, 2018, 427, 35-42.	0.7	36
75	Increased N,N-Dimethyl Leucine Isobaric Tag Multiplexing by a Combined Precursor Isotopic Labeling and Isobaric Tagging Approach. Analytical Chemistry, 2018, 90, 10664-10669.	3.2	36
76	Recent Advances and New Perspectives in Capillary Electrophoresis-Mass Spectrometry for Single Cell â€œOmicsâ€• Molecules, 2019, 24, 42.	1.7	36
77	Mass Spectrometric Detection of Neuropeptides Using Affinity-Enhanced Microdialysis with Antibody-Coated Magnetic Nanoparticles. Analytical Chemistry, 2013, 85, 915-922.	3.2	35
78	Novel isotopic N,N-Dimethyl Leucine (iDiLeu) Reagents Enable Absolute Quantification of Peptides and Proteins Using a Standard Curve Approach. Journal of the American Society for Mass Spectrometry, 2015, 26, 107-119.	1.2	35
79	Molecular basis for chirality-regulated Aî² self-assembly and receptor recognition revealed by ion mobility-mass spectrometry. Nature Communications, 2019, 10, 5038.	5.8	35
80	Targeted Mass Spectrometry Approach Enabled Discovery of O-Glycosylated Insulin and Related Signaling Peptides in Mouse and Human Pancreatic Islets. Analytical Chemistry, 2017, 89, 9184-9191.	3.2	34
81	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. Analytical Chemistry, 2019, 91, 11589-11597.	3.2	34
82	Visualization and Identification of Neurotransmitters in Crustacean Brain via Multifaceted Mass Spectrometric Approaches. ACS Chemical Neuroscience, 2019, 10, 1222-1229.	1.7	34
83	A multi-scale strategy for discovery of novel endogenous neuropeptides in the crustacean nervous system. Journal of Proteomics, 2013, 91, 1-12.	1.2	33
84	Quantitative Neuropeptidomics Study of the Effects of Temperature Change in the Crab Cancer borealis. Journal of Proteome Research, 2014, 13, 5767-5776.	1.8	33
85	Dual-Functional Ti(IV)-IMAC Material Enables Simultaneous Enrichment and Separation of Diverse Glycopeptides and Phosphopeptides. Analytical Chemistry, 2021, 93, 8568-8576.	3.2	32
86	Quantification and molecular imaging of fatty acid isomers from complex biological samples by mass spectrometry. Chemical Science, 2021, 12, 8115-8122.	3.7	32
87	High-definition De Novo Sequencing of Crustacean Hyperglycemic Hormone (CHH)-family Neuropeptides. Molecular and Cellular Proteomics, 2012, 11, 1951-1964.	2.5	31
88	In Situ Characterization of Proteins Using Laserspray Ionization on a High-Performance MALDI-LTQ-Orbitrap Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2014, 25, 2177-2180.	1.2	31
89	In-Depth Characterization and Validation of Human Urine Metabolomes Reveal Novel Metabolic Signatures of Lower Urinary Tract Symptoms. Scientific Reports, 2016, 6, 30869.	1.6	31
90	Gut Microbial and Metabolic Responses to Salmonella enterica Serovar Typhimurium and Candida albicans. MBio, 2018, 9, .	1.8	31

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91	Isobaric Multiplex Labeling Reagents for Carbonyl-Containing Compound (SUGAR) Tags: A Probe for Quantitative Glycomic Analysis. Analytical Chemistry, 2019, 91, 3141-3146.	3.2	31
92	Combining Bottom-Up and Top-Down Mass Spectrometric Strategies for De Novo Sequencing of the Crustacean Hyperglycemic Hormone from Cancer borealis. Analytical Chemistry, 2009, 81, 240-247.	3.2	30
93	Labelâ€free quantitative comparison of cerebrospinal fluid glycoproteins and endogenous peptides in subjects with Alzheimer's disease, mild cognitive impairment, and healthy individuals. Proteomics - Clinical Applications, 2016, 10, 1225-1241.	0.8	30
94	A strategy for identifying species-specific peptide biomarkers in deer-hide gelatin using untargeted and targeted mass spectrometry approaches. Analytica Chimica Acta, 2019, 1092, 32-41.	2.6	30
95	Visualizing Neurotransmitters and Metabolites in the Central Nervous System by High Resolution and High Accuracy Mass Spectrometric Imaging. ACS Chemical Neuroscience, 2013, 4, 1049-1056.	1.7	29
96	Examination of Endogenous Peptides in Medicago truncatula Using Mass Spectrometry Imaging. Journal of Proteome Research, 2016, 15, 4403-4411.	1.8	29
97	High Throughput In Situ DDA Analysis of Neuropeptides by Coupling Novel Multiplex Mass Spectrometric Imaging (MSI) with Gas-Phase Fractionation. Journal of the American Society for Mass Spectrometry, 2015, 26, 1992-2001.	1.2	28
98	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. Analytica Chimica Acta, 2018, 1007, 16-25.	2.6	28
99	Acetyl-CoA flux regulates the proteome and acetyl-proteome to maintain intracellular metabolic crosstalk. Nature Communications, 2019, 10, 3929.	5.8	28
100	Mass spectrometric characterization of the neuropeptidome of the ghost crab Ocypode ceratophthalma (Brachyura, Ocypodidae). General and Comparative Endocrinology, 2013, 184, 22-34.	0.8	27
101	Increased expression of AT-1/SLC33A1 causes an autistic-like phenotype in mice by affecting dendritic branching and spine formation. Journal of Experimental Medicine, 2016, 213, 1267-1284.	4.2	27
102	Custom 4-Plex DiLeu Isobaric Labels Enable Relative Quantification of Urinary Proteins in Men with Lower Urinary Tract Symptoms (LUTS). PLoS ONE, 2015, 10, e0135415.	1.1	27
103	Discovery and Characterization of the Crustacean Hyperglycemic Hormone Precursor Related Peptides (CPRP) and Orcokinin Neuropeptides in the Sinus Glands of the Blue CrabCallinectes sapidusUsing Multiple Tandem Mass Spectrometry Techniques. Journal of Proteome Research, 2011, 10, 4219-4229.	1.8	26
104	Improving data quality and preserving HCD-generated reporter ions with EThcD for isobaric tag-based quantitative proteomics and proteome-wide PTM studies. Analytica Chimica Acta, 2017, 968, 40-49.	2.6	26
105	In Depth Quantification of Extracellular Matrix Proteins from Human Pancreas. Journal of Proteome Research, 2019, 18, 3156-3165.	1.8	26
106	Probing neuropeptide signaling at the organ and cellular domains via imaging mass spectrometry. Journal of Proteomics, 2012, 75, 5014-5026.	1.2	25
107	Development and characterization of novel 8â€plex DiLeu isobaric labels for quantitative proteomics and peptidomics. Rapid Communications in Mass Spectrometry, 2015, 29, 1115-1124.	0.7	25
108	Targeted MultiNotch MS³ Approach for Relative Quantification of N-Glycans Using Multiplexed Carbonyl-Reactive Isobaric Tags. Analytical Chemistry, 2018, 90, 1129-1135.	3.2	25

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109	Metandem: An online software tool for mass spectrometry-based isobaric labeling metabolomics. Analytica Chimica Acta, 2019, 1088, 99-106.	2.6	25
110	Sample preparation strategies for highâ€throughput mass spectrometry imaging of primary tumor organoids. Journal of Mass Spectrometry, 2020, 55, e4452.	0.7	25
111	Recent advances in isobaric labeling and applications in quantitative proteomics. Proteomics, 2022, 22, .	1.3	25
112	Mass Spectrometric Evaluation of Neuropeptidomic Profiles upon Heat Stabilization Treatment of Neuroendocrine Tissues in Crustaceans. Journal of Proteome Research, 2013, 12, 743-752.	1.8	24
113	Defining the Neuropeptidome of the Spiny Lobster Panulirus interruptus Brain Using a Multidimensional Mass Spectrometry-Based Platform. Journal of Proteome Research, 2015, 14, 4776-4791.	1.8	24
114	Imaging with Mass Spectrometry of Bacteria on the Exoskeleton of Fungus-Growing Ants. ACS Chemical Biology, 2017, 12, 1980-1985.	1.6	24
115	Strategy Based on Deglycosylation, Multiprotease, and Hydrophilic Interaction Chromatography for Large-Scale Profiling of Protein Methylation. Analytical Chemistry, 2017, 89, 12909-12917.	3.2	24
116	Proteome-wide and matrisome-specific alterations during human pancreas development and maturation. Nature Communications, 2021, 12, 1020.	5.8	24
117	PKM2â€TMEM33 axis regulates lipid homeostasis in cancer cells by controlling SCAP stability. EMBO Journal, 2021, 40, e108065.	3.5	24
118	Discovery and Functional Study of a Novel Crustacean Tachykinin Neuropeptide. ACS Chemical Neuroscience, 2011, 2, 711-722.	1.7	23
119	Advancing Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometric Imaging for Capillary Electrophoresis Analysis of Peptides. Analytical Chemistry, 2011, 83, 3462-3469.	3.2	23
120	Finding the Sweet Spot in ERLIC Mobile Phase for Simultaneous Enrichment of N-Glyco and Phosphopeptides. Journal of the American Society for Mass Spectrometry, 2019, 30, 2491-2501.	1.2	23
121	Data Independent Acquisition Mass Spectrometry Method for Improved Neuropeptidomic Coverage in Crustacean Neural Tissue Extracts. Analytical Chemistry, 2019, 91, 5150-5158.	3.2	23
122	Mass spectrometric analysis of spatio-temporal dynamics of crustacean neuropeptides. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 798-811.	1.1	22
123	Matrix-assisted ionization vacuum for protein detection, fragmentation and PTM analysis on a high resolution linear ion trap-orbitrap platform. Analytica Chimica Acta, 2016, 916, 52-59.	2.6	22
124	Capillary electrophoresis coupled to MALDI mass spectrometry imaging with large volume sample stacking injection for improved coverage of C. borealis neuropeptidome. Analyst, The, 2020, 145, 61-69.	1.7	22
125	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. Analytical and Bioanalytical Chemistry, 2017, 409, 4437-4447.	1.9	21
126	A Multifaceted Mass Spectrometric Method to Probe Feeding Related Neuropeptide Changes in Callinectes sapidus and Carcinus maenas. Journal of the American Society for Mass Spectrometry, 2018, 29, 948-960.	1.2	21

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127	Multiplex Quantitative Glycomics Enabled by Periodate Oxidation and Triplex Mass Defect Isobaric Multiplex Reagents for Carbonyl-Containing Compound Tags. Analytical Chemistry, 2019, 91, 11932-11937.	3.2	21
128	Nanosecond photochemically promoted click chemistry for enhanced neuropeptide visualization and rapid protein labeling. Nature Communications, 2019, 10, 4697.	5.8	21
129	Signature-Ion-Triggered Mass Spectrometry Approach Enabled Discovery of N- and O-Linked Glycosylated Neuropeptides in the Crustacean Nervous System. Journal of Proteome Research, 2020, 19, 634-643.	1.8	21
130	A Simple and Effective Sample Preparation Strategy for MALDI-MS Imaging of Neuropeptide Changes in the Crustacean Brain Due to Hypoxia and Hypercapnia Stress. Journal of the American Society for Mass Spectrometry, 2020, 31, 1058-1065.	1.2	21
131	Pressure-Assisted Capillary Electrophoresis Coupling with Matrix-Assisted Laser Desorption/Ionization-Mass Spectrometric Imaging for Quantitative Analysis of Complex Peptide Mixtures. Analytical Chemistry, 2012, 84, 7684-7691.	3.2	20
132	Structural Characterization of Monomers and Oligomers of D-Amino Acid-Containing Peptides Using T-Wave Ion Mobility Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2017, 28, 110-118.	1.2	20
133	Neuropeptidomics of the Rat Habenular Nuclei. Journal of Proteome Research, 2018, 17, 1463-1473.	1.8	20
134	Neuropeptide analysis with liquid chromatographyâ€capillary electrophoresisâ€mass spectrometric imaging. Journal of Separation Science, 2012, 35, 1779-1784.	1.3	19
135	Trimetaphosphate Activates Prebiotic Peptide Synthesis across a Wide Range of Temperature and pH. Origins of Life and Evolution of Biospheres, 2018, 48, 277-287.	0.8	19
136	Quantitative Glycomic Analysis by Mass-Defect-Based Dimethyl Pyrimidinyl Ornithine (DiPyrO) Tags and High-Resolution Mass Spectrometry. Analytical Chemistry, 2018, 90, 7817-7823.	3.2	19
137	Mass Spectrometry Imaging of N-Glycans from Formalin-Fixed Paraffin-Embedded Tissue Sections Using a Novel Subatmospheric Pressure Ionization Source. Analytical Chemistry, 2019, 91, 12942-12947.	3.2	19
138	Mass Spectrometry Quantification, Localization, and Discovery of Feeding-Related Neuropeptides in Cancer borealis. ACS Chemical Neuroscience, 2021, 12, 782-798.	1.7	19
139	Evaluation and Application of Dimethylated Amino Acids as Isobaric Tags for Quantitative Proteomics of the TGF-Î²/Smad3 Signaling Pathway. Journal of Proteome Research, 2016, 15, 3420-3431.	1.8	18
140	Mass Defect-Based DiLeu Tagging for Multiplexed Data-Independent Acquisition. Analytical Chemistry, 2020, 92, 11119-11126.	3.2	18
141	Counterion Optimization Dramatically Improves Selectivity for Phosphopeptides and Glycopeptides in Electrostatic Repulsion-Hydrophilic Interaction Chromatography. Analytical Chemistry, 2021, 93, 7908-7916.	3.2	18
142	Mass Spectral Charting of Neuropeptidomic Expression in the Stomatogastric Ganglion at Multiple Developmental Stages of the Lobster Homarus americanus. ACS Chemical Neuroscience, 2012, 3, 439-450.	1.7	17
143	Investigation of signaling molecules and metabolites found in crustacean hemolymph via in vivo microdialysis using a multifaceted mass spectrometric platform. Electrophoresis, 2016, 37, 1031-1038.	1.3	17
144	Investigation of several unique tandem mass spectrometric fragmentation patterns of NFDEIDR, an orcokinin analog, and its N-terminal dimethylated form. Rapid Communications in Mass Spectrometry, 2006, 20, 553-562.	0.7	16

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145	Multifaceted Mass Spectrometric Investigation of Neuropeptide Changes in Atlantic Blue Crab, Callinectes sapidus, in Response to Low pH Stress. Journal of Proteome Research, 2019, 18, 2759-2770.	1.8	16
146	Characterizing and alleviating ion suppression effects in atmospheric pressure matrixâ€assisted laser desorption/ionization. Rapid Communications in Mass Spectrometry, 2019, 33, 327-335.	0.7	16
147	Improved structural elucidation of peptide isomers and their receptors using advanced ion mobility-mass spectrometry. TrAC - Trends in Analytical Chemistry, 2020, 124, 115546.	5.8	16
148	Acetyl-CoA flux from the cytosol to the ER regulates engagement and quality of the secretory pathway. Scientific Reports, 2021, 11, 2013.	1.6	16
149	Mass Defect-Based Dimethyl Pyrimidinyl Ornithine (DiPyrO) Tags for Multiplex Quantitative Proteomics. Analytical Chemistry, 2017, 89, 10798-10805.	3.2	15
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