

Per E Andr n

List of Publications by Year in descending order

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149
papers

5,734
citations

66343

42
h-index

95266

68
g-index

158
all docs

158
docs citations

158
times ranked

5610
citing authors

#	ARTICLE	IF	CITATIONS
1	Peptidomics-Based Discovery of Novel Neuropeptides. <i>Journal of Proteome Research</i> , 2003, 2, 213-219.	3.7	238
2	Fine Mapping the Spatial Distribution and Concentration of Unlabeled Drugs within Tissue Micro-Compartments Using Imaging Mass Spectrometry. <i>PLoS ONE</i> , 2010, 5, e11411.	2.5	192
3	Direct Targeted Quantitative Molecular Imaging of Neurotransmitters in Brain Tissue Sections. <i>Neuron</i> , 2014, 84, 697-707.	8.1	188
4	Aurora kinase inhibitor nanoparticles target tumors with favorable therapeutic index in vivo. <i>Science Translational Medicine</i> , 2016, 8, 325ra17.	12.4	171
5	Molecular Profiling of Experimental Parkinson's Disease: A Direct Analysis of Peptides and Proteins on Brain Tissue Sections by MALDI Mass Spectrometry. <i>Journal of Proteome Research</i> , 2004, 3, 289-295.	3.7	162
6	Mass Spectrometry Imaging in Drug Development. <i>Analytical Chemistry</i> , 2015, 87, 1437-1455.	6.5	153
7	Comprehensive mapping of neurotransmitter networks by MALDI-MS imaging. <i>Nature Methods</i> , 2019, 16, 1021-1028.	19.0	148
8	Heat Stabilization of the Tissue Proteome: A New Technology for Improved Proteomics. <i>Journal of Proteome Research</i> , 2009, 8, 974-981.	3.7	137
9	Novel mass spectrometry imaging software assisting labeled normalization and quantitation of drugs and neuropeptides directly in tissue sections. <i>Journal of Proteomics</i> , 2012, 75, 4941-4951.	2.4	134
10	SwePep, a Database Designed for Endogenous Peptides and Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 998-1005.	3.8	121
11	Decreased Striatal Levels of PEP-19 Following MPTP Lesion in the Mouse. <i>Journal of Proteome Research</i> , 2006, 5, 262-269.	3.7	115
12	A neuroproteomic approach to targeting neuropeptides in the brain. <i>Proteomics</i> , 2002, 2, 447.	2.2	110
13	Evidence for a role of the 5-HT _{1B} receptor and its adaptor protein, p11, in -DOPA treatment of an animal model of Parkinsonism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 2163-2168.	7.1	109
14	mslQuant – Quantitation Software for Mass Spectrometry Imaging Enabling Fast Access, Visualization, and Analysis of Large Data Sets. <i>Analytical Chemistry</i> , 2016, 88, 4346-4353.	6.5	109
15	The significance of biochemical and molecular sample integrity in brain proteomics and peptidomics: Stathmin 2 and peptides as sample quality indicators. <i>Proteomics</i> , 2007, 7, 4445-4456.	2.2	104
16	Development and Evaluation of Normalization Methods for Label-free Relative Quantification of Endogenous Peptides. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 2285-2295.	3.8	91
17	Specific molecular mass detection of endogenously released neuropeptides using in vivo microdialysis/mass spectrometry. <i>Journal of Neuroscience Methods</i> , 1995, 62, 141-147.	2.5	90
18	Pyrylium Salts as Reactive Matrices for MALDI-MS Imaging of Biologically Active Primary Amines. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 934-939.	2.8	89

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19	Qualitative and Quantitative MALDI Imaging of the Positron Emission Tomography Ligands Raclopride (a D2 Dopamine Antagonist) and SCH 23390 (a D1 Dopamine Antagonist) in Rat Brain Tissue Sections Using a Solvent-Free Dry Matrix Application Method. <i>Analytical Chemistry</i> , 2011, 83, 9694-9701.	6.5	86
20	Mass Spectrometry Imaging of Cassette-Dosed Drugs for Higher Throughput Pharmacokinetic and Biodistribution Analysis. <i>Analytical Chemistry</i> , 2014, 86, 8473-8480.	6.5	82
21	Mass Spectrometry Imaging, an Emerging Technology in Neuropsychopharmacology. <i>Neuropsychopharmacology</i> , 2014, 39, 34-49.	5.4	79
22	Chiral separation of local anaesthetics by a capillary electrophoresis/partial filling technique coupled on-line to micro-electrospray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1998, 33, 183-186.	1.6	69
23	Determination of extracellular release of neurotensin in discrete rat brain regions utilizing in vivo microdialysis/electrospray mass spectrometry. <i>Brain Research</i> , 1999, 845, 123-129.	2.2	68
24	Simultaneous imaging of multiple neurotransmitters and neuroactive substances in the brain by desorption electrospray ionization mass spectrometry. <i>NeuroImage</i> , 2016, 136, 129-138.	4.2	68
25	Capillary electrophoresis coupled to mass spectrometry from a polymer modified poly(dimethylsiloxane) microchip with an integrated graphite electrospray tip. <i>Analyst</i> , 2005, 130, 193-199.	3.5	63
26	Exposure to brominated flame retardant PBDE-99 affects cytoskeletal protein expression in the neonatal mouse cerebral cortex. <i>NeuroToxicology</i> , 2008, 29, 628-637.	3.0	62
27	Combining solid-phase preconcentration, capillary electrophoresis and off-line matrix-assisted laser desorption/ionization mass spectrometry: intracerebral metabolic processing of peptide <i>in vivo</i> . <i>Journal of Mass Spectrometry</i> , 1999, 34, 377-383.	1.6	60
28	Poly(dimethylsiloxane)-Based Microchip for Two-Dimensional Solid-Phase Extraction-Capillary Electrophoresis with an Integrated Electrospray Emitter Tip. <i>Analytical Chemistry</i> , 2005, 77, 5356-5363.	6.5	60
29	Simultaneous analysis of endogenous neurotransmitters and neuropeptides in brain tissue using capillary electrophoresis "microelectrospray-tandem mass spectrometry. <i>Electrophoresis</i> , 1999, 20, 1527-1532.	2.4	57
30	Neuropeptidomics: MS Applied to the Discovery of Novel Peptides from the Brain. <i>Analytical Chemistry</i> , 2007, 79, 14-21.	6.5	57
31	Controlled-pH Tissue Cleanup Protocol for Signal Enhancement of Small Molecule Drugs Analyzed by MALDI-MS Imaging. <i>Analytical Chemistry</i> , 2012, 84, 4603-4607.	6.5	56
32	Developments in biobanking workflow standardization providing sample integrity and stability. <i>Journal of Proteomics</i> , 2013, 95, 38-45.	2.4	56
33	Quantitation of Endogenous Metabolites in Mouse Tumors Using Mass-Spectrometry Imaging. <i>Analytical Chemistry</i> , 2018, 90, 6051-6058.	6.5	56
34	Conductive carbon tape used for support and mounting of both whole animal and fragile heat-treated tissue sections for MALDI MS imaging and quantitation. <i>Journal of Proteomics</i> , 2012, 75, 4912-4920.	2.4	51
35	Discussion point: reporting guidelines for mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2035-2045.	3.7	51
36	How Does the Sweet Violet (<i>Viola odorata</i> L.) Fight Pathogens and Pests " Cyclotides as a Comprehensive Plant Host Defense System. <i>Frontiers in Plant Science</i> , 2018, 9, 1296.	3.6	51

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37	Changes on 5-HT ₂ receptor mRNAs in striatum and subthalamic nucleus in Parkinson's disease model. <i>Physiology and Behavior</i> , 2007, 92, 29-33.	2.1	50
38	Electrokinetic-driven microfluidic system in poly(dimethylsiloxane) for mass spectrometry detection integrating sample injection, capillary electrophoresis, and electrospray emitter on-chip. <i>Electrophoresis</i> , 2005, 26, 4674-4683.	2.4	47
39	Neuropeptidomics Strategies for Specific and Sensitive Identification of Endogenous Peptides. <i>Molecular and Cellular Proteomics</i> , 2007, 6, 1188-1197.	3.8	47
40	Striatal Alterations of Secretogranin-1, Somatostatin, Prodynorphin, and Cholecystokinin Peptides in an Experimental Mouse Model of Parkinson Disease. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 1094-1104.	3.8	47
41	Deuterated Matrix-Assisted Laser Desorption Ionization Matrix Uncovers Masked Mass Spectrometry Imaging Signals of Small Molecules. <i>Analytical Chemistry</i> , 2012, 84, 7152-7157.	6.5	47
42	Striatal Proteomic Analysis Suggests that First L-Dopa Dose Equates to Chronic Exposure. <i>PLoS ONE</i> , 2008, 3, e1589.	2.5	45
43	Analytical Utility of Small Neutral Losses from Reduced Species in Electron Capture Dissociation Studied Using SwedECD Database. <i>Analytical Chemistry</i> , 2008, 80, 8089-8094.	6.5	42
44	Neurotoxin-Induced Neuropeptide Perturbations in Striatum of Neonatal Rats. <i>Journal of Proteome Research</i> , 2013, 12, 1678-1690.	3.7	41
45	Asymmetry of the Endogenous Opioid System in the Human Anterior Cingulate: a Putative Molecular Basis for Lateralization of Emotions and Pain. <i>Cerebral Cortex</i> , 2015, 25, 97-108.	2.9	41
46	In Situ Mass Spectrometry Imaging and Ex Vivo Characterization of Renal Crystalline Deposits Induced in Multiple Preclinical Drug Toxicology Studies. <i>PLoS ONE</i> , 2012, 7, e47353.	2.5	40
47	Altered extracellular striatal in vivo biotransformation of the opioid neuropeptide dynorphin A(1-17) in the unilateral 6-OHDA rat model of Parkinson's disease. <i>Journal of Mass Spectrometry</i> , 2005, 40, 261-270.	1.6	38
48	Normalization and expression changes in predefined sets of proteins using 2D gel electrophoresis: A proteomic study of L-DOPA induced dyskinesia in an animal model of Parkinson's disease using DIGE. <i>BMC Bioinformatics</i> , 2006, 7, 475.	2.6	37
49	Increased Levels of Ubiquitin in the 6-OHDA-Lesioned Striatum of Rats. <i>Journal of Proteome Research</i> , 2005, 4, 223-226.	3.7	36
50	High Identification Rates of Endogenous Neuropeptides from Mouse Brain. <i>Journal of Proteome Research</i> , 2012, 11, 2819-2827.	3.7	36
51	Investigating Nephrotoxicity of Polymyxin Derivatives by Mapping Renal Distribution Using Mass Spectrometry Imaging. <i>Chemical Research in Toxicology</i> , 2015, 28, 1823-1830.	3.3	36
52	Simultaneous mass spectrometry imaging of multiple neuropeptides in the brain and alterations induced by experimental parkinsonism and L-DOPA therapy. <i>Neurobiology of Disease</i> , 2020, 137, 104738.	4.4	36
53	Impact of Temperature Dependent Sampling Procedures in Proteomics and Peptidomics – A Characterization of the Liver and Pancreas Post Mortem Degradome. <i>Molecular and Cellular Proteomics</i> , 2011, 10, M900229-MCP200.	3.8	35
54	Repeated L-DOPA treatment increases c-fos and BDNF mRNAs in the subthalamic nucleus in the 6-OHDA rat model of Parkinson's disease. <i>Brain Research</i> , 2006, 1095, 207-210.	2.2	34

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55	Coupling surface plasmon resonance to mass spectrometry to discover novel protein-protein interactions. <i>Nature Protocols</i> , 2009, 4, 1023-1037.	12.0	34
56	Essential tactics of tissue preparation and matrix nano-spotting for successful compound imaging mass spectrometry. <i>Journal of Proteomics</i> , 2010, 73, 1270-1278.	2.4	34
57	Identification of glucuronide conjugates of ketobemidone and its phase I metabolites in human urine utilizing accurate mass and tandem time-of-flight mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2002, 37, 414-420.	1.6	33
58	The significance of ambient temperature on pharmaceutical and endogenous compound abundance and distribution in tissues sections when analyzed by matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 494-498.	1.5	33
59	Exemplifying the Screening Power of Mass Spectrometry Imaging over Label-Based Technologies for Simultaneous Monitoring of Drug and Metabolite Distributions in Tissue Sections. <i>Journal of Biomolecular Screening</i> , 2016, 21, 187-193.	2.6	33
60	Î±-synuclein-lipoprotein interactions and elevated ApoE level in cerebrospinal fluid from Parkinson's disease patients. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15226-15235.	7.1	33
61	Detection of a High-Turnover Serotonin Circuit in the Mouse Brain Using Mass Spectrometry Imaging. <i>IScience</i> , 2019, 20, 359-372.	4.1	33
62	Mass spectrometry imaging identifies palmitoylcarnitine as an immunological mediator during <i>Salmonella Typhimurium</i> infection. <i>Scientific Reports</i> , 2017, 7, 2786.	3.3	31
63	Increased Striatal mRNA and Protein Levels of the Immunophilin FKBP-12 in Experimental Parkinson's Disease and Identification of FKBP-12-Binding Proteins. <i>Journal of Proteome Research</i> , 2007, 6, 3952-3961.	3.7	29
64	Mass spectrometry imaging identifies abnormally elevated brain α -DOPA levels and extrastriatal monoaminergic dysregulation in α -DOPA-induced dyskinesia. <i>Science Advances</i> , 2021, 7, .	10.3	29
65	SwedCAD, a Database of Annotated High-Mass Accuracy MS/MS Spectra of Tryptic Peptides. <i>Journal of Proteome Research</i> , 2007, 6, 4063-4067.	3.7	28
66	In Vitro Imaging Techniques in Neurodegenerative Diseases. <i>Molecular Imaging and Biology</i> , 2007, 9, 161-175.	2.6	28
67	Validation of Endogenous Peptide Identifications Using a Database of Tandem Mass Spectra. <i>Journal of Proteome Research</i> , 2008, 7, 3049-3053.	3.7	28
68	In vivo processing of LVV-hemorphin-7 in rat brain and blood utilizing microdialysis combined with electrospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2003, 17, 838-844.	1.5	27
69	Neuropeptide profiling of the bovine hypothalamus: Thermal stabilization is an effective tool in inhibiting post-mortem degradation. <i>Proteomics</i> , 2011, 11, 1264-1276.	2.2	27
70	Extensive Characterization of <i>Tupaia belangeri</i> Neuropeptidome Using an Integrated Mass Spectrometric Approach. <i>Journal of Proteome Research</i> , 2012, 11, 886-896.	3.7	27
71	Neuropeptidomics of mouse hypothalamus after imipramine treatment reveal somatostatin as a potential mediator of antidepressant effects. <i>Neuropharmacology</i> , 2012, 62, 347-357.	4.1	27
72	Spatial visualization of comprehensive brain neurotransmitter systems and neuroactive substances by selective in situ chemical derivatization mass spectrometry imaging. <i>Nature Protocols</i> , 2021, 16, 3298-3321.	12.0	27

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73	<i>In Vitro</i> Neurotoxicity of PBDE-99: Immediate and Concentration-Dependent Effects on Protein Expression in Cerebral Cortex Cells. <i>Journal of Proteome Research</i> , 2010, 9, 1226-1235.	3.7	26
74	Association of chromosome 19 to lung cancer genotypes and phenotypes. <i>Cancer and Metastasis Reviews</i> , 2015, 34, 217-226.	5.9	26
75	Caveolin-1 interacts with alpha-synuclein and mediates toxic actions of cellular alpha-synuclein overexpression. <i>Neurochemistry International</i> , 2011, 59, 280-289.	3.8	25
76	Abnormal structure-specific peptide transmission and processing in a primate model of Parkinson's disease and L-DOPA-induced dyskinesia. <i>Neurobiology of Disease</i> , 2014, 62, 307-312.	4.4	25
77	A mass spectrometry imaging approach for investigating how drug-drug interactions influence drug blood-brain barrier permeability. <i>NeuroImage</i> , 2018, 172, 808-816.	4.2	25
78	Going forward: Increasing the accessibility of imaging mass spectrometry. <i>Journal of Proteomics</i> , 2012, 75, 5113-5121.	2.4	24
79	μ Opioid Receptor Agonism for L-DOPA-Induced Dyskinesia in Parkinson's Disease. <i>Journal of Neuroscience</i> , 2020, 40, 6812-6819.	3.6	24
80	A Quantitative Peptidomic Analysis of Peptides Related to the Endogenous Opioid and Tachykinin Systems in Nucleus Accumbens of Rats Following Naloxone-Precipitated Morphine Withdrawal. <i>Journal of Proteome Research</i> , 2009, 8, 1091-1098.	3.7	23
81	Acute and repeated treatment with L-DOPA increase c-jun expression in the 6-hydroxydopamine-lesioned forebrain of rats and common marmosets. <i>Brain Research</i> , 2002, 955, 8-15.	2.2	22
82	Neurokinin B/NK3 receptors exert feedback inhibition on L-DOPA actions in the 6-OHDA lesion rat model of Parkinson's disease. <i>Neuropharmacology</i> , 2008, 54, 1143-1152.	4.1	22
83	Chronic Nicotine Treatment Impacts the Regulation of Opioid and Non-opioid Peptides in the Rat Dorsal Striatum. <i>Molecular and Cellular Proteomics</i> , 2013, 12, 1553-1562.	3.8	22
84	Mass Spectrometry Imaging proves differential absorption profiles of well-characterised permeability markers along the crypt-villus axis. <i>Scientific Reports</i> , 2017, 7, 6352.	3.3	22
85	Peptide ion channel toxins from the bootlace worm, the longest animal on Earth. <i>Scientific Reports</i> , 2018, 8, 4596.	3.3	22
86	Molecular imaging identifies age-related attenuation of acetylcholine in retrosplenial cortex in response to acetylcholinesterase inhibition. <i>Neuropsychopharmacology</i> , 2019, 44, 2091-2098.	5.4	22
87	Cross-validated Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging Quantitation Protocol for a Pharmaceutical Drug and Its Drug-Target Effects in the Brain Using Time-of-Flight and Fourier Transform Ion Cyclotron Resonance Analyzers. <i>Analytical Chemistry</i> , 2020, 92, 14676-14684.	6.5	22
88	Identification of Protein-Protein Interactions by Surface Plasmon Resonance followed by Mass Spectrometry. <i>Current Protocols in Protein Science</i> , 2011, 65, Unit19.21.	2.8	21
89	Efficacy of EBL-1003 (apramycin) against <i>Acinetobacter baumannii</i> lung infections in mice. <i>Clinical Microbiology and Infection</i> , 2021, 27, 1315-1321.	6.0	21
90	Bromopyrylium Derivatization Facilitates Identification by Mass Spectrometry Imaging of Monoamine Neurotransmitters and Small Molecule Neuroactive Compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2553-2557.	2.8	21

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91	Method To Visualize the Intratumor Distribution and Impact of Gemcitabine in Pancreatic Ductal Adenocarcinoma by Multimodal Imaging. <i>Analytical Chemistry</i> , 2022, 94, 1795-1803.	6.5	20
92	An Automated Method for Scanning LC-MS Data Sets for Significant Peptides and Proteins, Including Quantitative Profiling and Interactive Confirmation. <i>Journal of Proteome Research</i> , 2007, 6, 2888-2895.	3.7	19
93	Sample pretreatment on a microchip with an integrated electrospray emitter. <i>Electrophoresis</i> , 2006, 27, 2075-2082.	2.4	18
94	Evaluation of Database Search Programs for Accurate Detection of Neuropeptides in Tandem Mass Spectrometry Experiments. <i>Journal of Proteome Research</i> , 2012, 11, 6044-6055.	3.7	17
95	Use of ENCODE Resources to Characterize Novel Proteoforms and Missing Proteins in the Human Proteome. <i>Journal of Proteome Research</i> , 2015, 14, 603-608.	3.7	17
96	Uncovering the regional localization of inhaled salmeterol retention in the lung. <i>Drug Delivery</i> , 2018, 25, 838-845.	5.7	17
97	Integration of Mass Spectrometry Imaging and Machine Learning Visualizes Region-Specific Age-Induced and Drug-Target Metabolic Perturbations in the Brain. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1811-1823.	3.5	17
98	Use of Surface Plasmon Resonance Coupled with Mass Spectrometry Reveals an Interaction between the Voltage-Gated Sodium Channel Type X α -Subunit and Caveolin-1. <i>Journal of Proteome Research</i> , 2008, 7, 5333-5338.	3.7	16
99	Chromosome 19 Annotations with Disease Speciation: A First Report from the Global Research Consortium. <i>Journal of Proteome Research</i> , 2013, 12, 135-150.	3.7	16
100	Direct imaging of elemental distributions in tissue sections by laser ablation mass spectrometry. <i>Methods</i> , 2016, 104, 86-92.	3.8	15
101	Insomnia in pediatric obsessive-compulsive disorder: prevalence and association with multimodal treatment outcomes in a naturalistic clinical setting. <i>Sleep Medicine</i> , 2019, 56, 104-110.	1.6	15
102	Antibacterial activity of apramycin at acidic pH warrants wide therapeutic window in the treatment of complicated urinary tract infections and acute pyelonephritis. <i>EBioMedicine</i> , 2021, 73, 103652.	6.1	15
103	High Speed Data Processing for Imaging MS-Based Molecular Histology Using Graphical Processing Units. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 745-752.	2.8	14
104	Brain Tissue Sample Stabilization and Extraction Strategies for Neuropeptidomics. <i>Methods in Molecular Biology</i> , 2018, 1719, 41-49.	0.9	14
105	Striatal Tyrosine Hydroxylase Is Stimulated via TAAR1 by 3-Iodothyronamine, But Not by Tyramine or β -Phenylethylamine. <i>Frontiers in Pharmacology</i> , 2018, 9, 166.	3.5	14
106	Deficits in Motor Performance, Neurotransmitters and Synaptic Plasticity in Elderly and Experimental Parkinsonian Mice Lacking GPR37. <i>Frontiers in Aging Neuroscience</i> , 2020, 12, 84.	3.4	14
107	Neuropharmacokinetic visualization of regional and subregional unbound antipsychotic drug transport across the blood-brain barrier. <i>Molecular Psychiatry</i> , 2021, 26, 7732-7745.	7.9	14
108	Distribution, level, pharmacology, regulation, and signaling of 5-HT_6 receptors in rats and marmosets with special reference to an experimental model of parkinsonism. <i>Journal of Comparative Neurology</i> , 2011, 519, 1816-1827.	1.6	13

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109	Revealing the Regional Localization and Differential Lung Retention of Inhaled Compounds by Mass Spectrometry Imaging. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2020, 33, 43-53.	1.4	13
110	Cyclotide host-defense tailored for species and environments in violets from the Canary Islands. <i>Scientific Reports</i> , 2021, 11, 12452.	3.3	12
111	Method development for identification of ketobemidone metabolites in microdialysate samples by coupled-column capillary liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2008, 1189, 503-513.	3.7	11
112	Neuropeptidomic analysis of the embryonic Japanese quail diencephalon. <i>BMC Developmental Biology</i> , 2010, 10, 30.	2.1	11
113	Wide-Ranging Effects on the Brain Proteome in a Transgenic Mouse Model of Alzheimer's Disease Following Treatment with a Brain-Targeting Somatostatin Peptide. <i>ACS Chemical Neuroscience</i> , 2021, 12, 2529-2541.	3.5	11
114	Design, synthesis and in vitro biological evaluation of oligopeptides targeting E. coli type I signal peptidase (LepB). <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 897-911.	3.0	10
115	TAAR1-Dependent and -Independent Actions of Tyramine in Interaction With Glutamate Underlie Central Effects of Monoamine Oxidase Inhibition. <i>Biological Psychiatry</i> , 2021, 90, 16-27.	1.3	9
116	Region-Specific and Age-Dependent Multitarget Effects of Acetylcholinesterase Inhibitor Tacrine on Comprehensive Neurotransmitter Systems. <i>ACS Chemical Biology</i> , 2022, 17, 147-158.	3.4	8
117	A Space Efficient Direct Access Data Compression Approach for Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2018, 90, 3676-3682.	6.5	6
118	Holistic Characterization of a <i>Salmonella</i> Typhimurium Infection Model Using Integrated Molecular Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2791-2802.	2.8	6
119	Well-Plate 1/4FASP for Proteomic Analysis of Single Pancreatic Islets. <i>Journal of Proteome Research</i> , 2022, 21, 1167-1174.	3.7	6
120	Proteomic profiling of the Baltic Sea cyanobacterium <i>Nodularia spumigena</i> strain AV1 during ammonium supplementation. <i>Journal of Proteomics</i> , 2010, 73, 1670-1679.	2.4	5
121	Non-dopaminergic Alterations in Depression-Like FSL Rats in Experimental Parkinsonism and L-DOPA Responses. <i>Frontiers in Pharmacology</i> , 2020, 11, 304.	3.5	5
122	The involvement of cyclotides in mutual interactions of violets and the two-spotted spider mite. <i>Scientific Reports</i> , 2022, 12, 1914.	3.3	5
123	Basal ganglia neuropeptides show abnormal processing associated with L-DOPA-induced dyskinesia. <i>Npj Parkinson's Disease</i> , 2022, 8, 41.	5.3	5
124	Advances in spatial mass spectrometry enable in-depth neuropharmacodynamics. <i>Trends in Pharmacological Sciences</i> , 2022, 43, 740-753.	8.7	5
125	In vivo investigation of brain and systemic ketobemidone metabolism. <i>Analyst</i> , The, 2010, 135, 405-413.	3.5	4
126	An introduction to MS imaging in drug discovery and development. <i>Bioanalysis</i> , 2015, 7, 2621-2627.	1.5	4

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127	A Short History of Insect (Neuro)Peptidomicsâ€”A Personal Story of the Birth and Youth of an Excellent Model for Studying Peptidome Biology. , 0, , 25-54.		3
128	Identification of best indicators of peptide-spectrum match using a permutation resampling approach. Journal of Bioinformatics and Computational Biology, 2014, 12, 1440001.	0.8	3
129	The Importance of Sample Handling in Neuropeptidomics. , 0, , 177-189.		2
130	Preface. Journal of Proteomics, 2012, 75, 4881-4882.	2.4	2
131	Accurate Assignment of Significance to Neuropeptide Identifications Using Monte Carlo K-Permuted Decoy Databases. PLoS ONE, 2014, 9, e111112.	2.5	2
132	Analysis of the Peptidomes of Amphibian Skin Granular Gland Secretionsâ€”An Integrated Functional Genomic Strategy. , 0, , 1-23.		1
133	Quantification of Polypeptides by Mass Spectrometry. , 0, , 291-316.		1
134	Peptidomics in Neuroendocrine Research: A Caenorhabditis elegans and Mus musculus Study. , 0, , 355-386.		1
135	Peptidomics and Biology: Two Scientific Disciplines Driving Each Other. , 0, , 387-396.		1
136	Peptidomics Approach to Proteomics. , 0, , 153-175.		1
137	MALDI Imaging and Profiling Mass Spectrometry in Neuroproteomics. Frontiers in Neuroscience, 2009, , 115-134.	0.0	1
138	Combining solid-phase preconcentration, capillary electrophoresis and off-line matrix-assisted laser desorption/ionization mass spectrometry: intracerebral metabolic processing of peptide E in vivo This paper is dedicated to the memory of Professor Dr Wilhelm J. Richter. Journal of Mass Spectrometry, 1999, 34, 377.	1.6	1
139	MALDI Mass Spectrometry Imaging of Dopamine and PET D1 and D2 Receptor Ligands in Rodent Brain Tissues. Neuromethods, 2015, , 177-196.	0.3	1
140	Affinity Peptidomics Approach to Protein Detection, Quantification, and Protein Affinity Assays: Application to Forensics and Biometrics. , 0, , 191-231.		0
141	Selective Depletion and Enrichment Methods for the Analysis of Protein and Peptide Pools. , 0, , 233-264.		0
142	Detection of Target Peptides in Foods and Feeds by Mass Spectrometry. , 0, , 265-290.		0
143	Biomarker Discovery. , 0, , 317-339.		0
144	Can Peptidomics Provide a Useful Approach for the Identification of Biomarkers of Toxicological Exposure or Effect?. , 0, , 341-353.		0

#	ARTICLE	IF	CITATIONS
145	Peptidomics of Short Linear Cytolytic Peptides from Spider Venom. , 0, , 55-70.		0
146	Molecular Cloning Approaches to Peptidomics: The Identification of Novel cDNAs Encoding Neurotoxin-Like Peptide Pools. , 0, , 71-97.		0
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