

Richard M Caprioli

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/411265/publications.pdf>

Version: 2024-02-01

382
papers

33,018
citations

2797

94
h-index

5249

165
g-index

415
all docs

415
docs citations

415
times ranked

18932
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid Multivariate Analysis Approach to Explore Differential Spatial Protein Profiles in Tissue. <i>Journal of Proteome Research</i> , 2023, 22, 1394-1405.	1.8	4
2	Highly multiplexed immunofluorescence of the human kidney using co-detection by indexing. <i>Kidney International</i> , 2022, 101, 137-143.	2.6	27
3	Spatial mapping of protein composition and tissue organization: a primer for multiplexed antibody-based imaging. <i>Nature Methods</i> , 2022, 19, 284-295.	9.0	156
4	Population pharmacokinetic analysis of dexmedetomidine in children using real-world data from electronic health records and remnant specimens. <i>British Journal of Clinical Pharmacology</i> , 2022, 88, 2885-2898.	1.1	7
5	High Spatial Resolution MALDI Imaging Mass Spectrometry of Fresh-Frozen Bone. <i>Analytical Chemistry</i> , 2022, 94, 3165-3172.	3.2	20
6	Referenced Kendrick Mass Defect Annotation and Class-Based Filtering of Imaging MS Lipidomics Experiments. <i>Analytical Chemistry</i> , 2022, 94, 5504-5513.	3.2	4
7	Pyridine nucleotide redox potential in coronary smooth muscle couples myocardial blood flow to cardiac metabolism. <i>Nature Communications</i> , 2022, 13, 2051.	5.8	5
8	Multimodal Imaging Mass Spectrometry of Murine Gastrointestinal Tract with Retained Luminal Content. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 1073-1076.	1.2	2
9	Fundamental aspects of long-acting tenofovir alafenamide delivery from subdermal implants for HIV prophylaxis. <i>Scientific Reports</i> , 2022, 12, 8224.	1.6	5
10	Zn-regulated GTPase metalloprotein activator 1 modulates vertebrate zinc homeostasis. <i>Cell</i> , 2022, 185, 2148-2163.e27.	13.5	39
11	Visualizing <i>Staphylococcus aureus</i> pathogenic membrane modification within the host infection environment by multimodal imaging mass spectrometry. <i>Cell Chemical Biology</i> , 2022, 29, 1209-1217.e4.	2.5	4
12	Spatially Targeted Proteomics of the Host-Pathogen Interface during Staphylococcal Abscess Formation. <i>ACS Infectious Diseases</i> , 2021, 7, 101-113.	1.8	17
13	Impact of temperature-dependent phage expression on <i>Pseudomonas aeruginosa</i> biofilm formation. <i>Npj Biofilms and Microbiomes</i> , 2021, 7, 22.	2.9	24
14	An orthogonal methods assessment of topical drug concentrations in skin and the impact for risk assessment in the viable epidermis. <i>Regulatory Toxicology and Pharmacology</i> , 2021, 123, 104934.	1.3	2
15	Diagnosis of melanoma by imaging mass spectrometry: Development and validation of a melanoma prediction model. <i>Journal of Cutaneous Pathology</i> , 2021, 48, 1455-1462.	0.7	8
16	Molecular Mapping of Neutral Lipids Using Silicon Nanopost Arrays and TIMS Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2519-2527.	1.2	5
17	Î±-Cyano-4-hydroxycinnamic Acid and Tri-Potassium Citrate Salt Pre-Coated Silicon Nanopost Array Provides Enhanced Lipid Detection for High Spatial Resolution MALDI Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 12243-12249.	3.2	9
18	Automated biomarker candidate discovery in imaging mass spectrometry data through spatially localized Shapley additive explanations. <i>Analytica Chimica Acta</i> , 2021, 1177, 338522.	2.6	20

#	ARTICLE	IF	CITATIONS
19	Enhancement of Tryptic Peptide Signals from Tissue Sections Using MALDI IMS Postionization (MALDI-2). <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2583-2591.	1.2	14
20	<i>Clostridioides difficile</i> infection induces a rapid influx of bile acids into the gut during colonization of the host. <i>Cell Reports</i> , 2021, 36, 109683.	2.9	16
21	Protocol for multimodal analysis of human kidney tissue by imaging mass spectrometry and CODEX multiplexed immunofluorescence. <i>STAR Protocols</i> , 2021, 2, 100747.	0.5	14
22	Dear friends and colleagues. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4801.	0.7	0
23	Probiotics Modulate a Novel Amphibian Skin Defense Peptide That Is Antifungal and Facilitates Growth of Antifungal Bacteria. <i>Microbial Ecology</i> , 2020, 79, 192-202.	1.4	44
24	Unsupervised machine learning for exploratory data analysis in imaging mass spectrometry. <i>Mass Spectrometry Reviews</i> , 2020, 39, 245-291.	2.8	147
25	Uncovering matrix effects on lipid analyses in MALDI imaging mass spectrometry experiments. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4491.	0.7	48
26	Modulating Isoprenoid Biosynthesis Increases Lipooligosaccharides and Restores <i>Acinetobacter baumannii</i> Resistance to Host and Antibiotic Stress. <i>Cell Reports</i> , 2020, 32, 108129.	2.9	14
27	Spatial Metabolomics of the Human Kidney using MALDI Trapped Ion Mobility Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 13084-13091.	3.2	49
28	Multimodal Imaging Mass Spectrometry: Next Generation Molecular Mapping in Biology and Medicine. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2401-2415.	1.2	68
29	Accumulation of long-chain fatty acids in the tumor microenvironment drives dysfunction in intrapancreatic CD8+ T cells. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	142
30	Dynamic Range Expansion by Gas-Phase Ion Fractionation and Enrichment for Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 13092-13100.	3.2	17
31	Resolving the Complexity of Spatial Lipidomics Using MALDI TIMS Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 13290-13297.	3.2	70
32	Brain delivery and activity of a lysosomal enzyme using a blood-brain barrier transport vehicle in mice. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	121
33	Lipid Landscape of the Human Retina and Supporting Tissues Revealed by High-Resolution Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2426-2436.	1.2	28
34	Integrating ion mobility and imaging mass spectrometry for comprehensive analysis of biological tissues: A brief review and perspective. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4614.	0.7	31
35	Histopathologic, immunophenotypic, and proteomics characteristics of low-grade phyllodes tumor and fibroadenoma: more similarities than differences. <i>Npj Breast Cancer</i> , 2020, 6, 27.	2.3	19
36	Integrated molecular imaging technologies for investigation of metals in biological systems: A brief review. <i>Current Opinion in Chemical Biology</i> , 2020, 55, 127-135.	2.8	17

#	ARTICLE	IF	CITATIONS
37	Combined Src/EGFR Inhibition Targets STAT3 Signaling and Induces Stromal Remodeling to Improve Survival in Pancreatic Cancer. <i>Molecular Cancer Research</i> , 2020, 18, 623-631.	1.5	32
38	Discovering New Lipidomic Features Using Cell Type Specific Fluorophore Expression to Provide Spatial and Biological Specificity in a Multimodal Workflow with MALDI Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 7079-7086.	3.2	26
39	Effect of MALDI matrices on lipid analyses of biological tissues using MALDI postionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4663.	0.7	29
40	Sample Preparation and Analysis of Single Cells Using High Performance MALDI FTICR Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2020, 2064, 125-134.	0.4	10
41	Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry: Technology and Applications. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2020, , 109-128.	0.5	1
42	Multiple TOF/TOF events in a single laser shot for multiplexed lipid identifications in MALDI imaging mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2019, 437, 30-37.	0.7	12
43	A recommended and verified procedure for <i>in situ</i> tryptic digestion of formalin-fixed paraffin-embedded tissues for analysis by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2019, 54, 716-727.	0.7	32
44	High-Performance Molecular Imaging with MALDI Trapped Ion-Mobility Time-of-Flight (timsTOF) Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 14552-14560.	3.2	148
45	<i>Staphylococcus aureus</i> exhibits heterogeneous siderophore production within the vertebrate host. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 21980-21982.	3.3	62
46	Combining Salt Doping and Matrix Sublimation for High Spatial Resolution MALDI Imaging Mass Spectrometry of Neutral Lipids. <i>Analytical Chemistry</i> , 2019, 91, 12928-12934.	3.2	43
47	Combining MALDI and transmission geometry laser optics to achieve high sensitivity for ultra-high spatial resolution surface analysis. <i>Journal of Mass Spectrometry</i> , 2019, 54, 366-370.	0.7	35
48	Two Specific Sulfatide Species Are Dysregulated during Renal Development in a Mouse Model of Alport Syndrome. <i>Lipids</i> , 2019, 54, 411-418.	0.7	10
49	MicroLESA: Integrating Autofluorescence Microscopy, In Situ Micro-Digestions, and Liquid Extraction Surface Analysis for High Spatial Resolution Targeted Proteomic Studies. <i>Analytical Chemistry</i> , 2019, 91, 7578-7585.	3.2	51
50	Zinc intoxication induces ferroptosis in A549 human lung cells. <i>Metallomics</i> , 2019, 11, 982-993.	1.0	37
51	Imaging Mass Spectrometry: A Perspective. <i>Journal of Biomolecular Techniques</i> , 2019, 30, 7-11.	0.8	32
52	Imaging mass spectrometry enables molecular profiling of mouse and human pancreatic tissue. <i>Diabetologia</i> , 2019, 62, 1036-1047.	2.9	33
53	Precision Medicine in Pancreatic Disease—Knowledge Gaps and Research Opportunities. <i>Pancreas</i> , 2019, 48, 1250-1258.	0.5	9
54	Protein identification strategies in MALDI imaging mass spectrometry: a brief review. <i>Current Opinion in Chemical Biology</i> , 2019, 48, 64-72.	2.8	121

#	ARTICLE	IF	CITATIONS
55	Discerning the Primary Carcinoma in Malignant Peritoneal and Pleural Effusions Using Imaging Mass Spectrometry—A Feasibility Study. <i>Proteomics - Clinical Applications</i> , 2019, 13, 1800064.	0.8	10
56	Enhanced Ion Transmission Efficiency up to $\times 24,000$ for MALDI Protein Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 5090-5099.	3.2	41
57	Protein identification in imaging mass spectrometry through spatially targeted liquid micro-extractions. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 442-450.	0.7	27
58	Pyruvate induces torpor in obese mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 810-815.	3.3	18
59	Regional differences in brain glucose metabolism determined by imaging mass spectrometry. <i>Molecular Metabolism</i> , 2018, 12, 113-121.	3.0	40
60	Integrated molecular imaging reveals tissue heterogeneity driving host-pathogen interactions. <i>Science Translational Medicine</i> , 2018, 10, .	5.8	58
61	Single-Cell Mass Spectrometry Reveals Changes in Lipid and Metabolite Expression in RAW 264.7 Cells upon Lipopolysaccharide Stimulation. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1012-1020.	1.2	32
62	Beyond the H&E: Advanced Technologies for in situ Tissue Biomarker Imaging. <i>ILAR Journal</i> , 2018, 59, 51-65.	1.8	10
63	Heme sensing and detoxification by HatRT contributes to pathogenesis during <i>Clostridium difficile</i> infection. <i>PLoS Pathogens</i> , 2018, 14, e1007486.	2.1	34
64	Post-translational modification of ApoA-1 in metabolic syndrome. <i>Free Radical Biology and Medicine</i> , 2018, 128, S34.	1.3	0
65	Advanced Registration and Analysis of MALDI Imaging Mass Spectrometry Measurements through Autofluorescence Microscopy. <i>Analytical Chemistry</i> , 2018, 90, 12395-12403.	3.2	78
66	Next Generation Histology-Directed Imaging Mass Spectrometry Driven by Autofluorescence Microscopy. <i>Analytical Chemistry</i> , 2018, 90, 12404-12413.	3.2	46
67	Imaging mass spectrometry reveals direct albumin fragmentation within the diabetic kidney. <i>Kidney International</i> , 2018, 94, 292-302.	2.6	7
68	Optic Nerve Regeneration After Crush Remodels the Injury Site: Molecular Insights From Imaging Mass Spectrometry. , 2018, 59, 212.		19
69	Micro-Data-Independent Acquisition for High-Throughput Proteomics and Sensitive Peptide Mass Spectrum Identification. <i>Analytical Chemistry</i> , 2018, 90, 8905-8911.	3.2	19
70	An Integrated, High-Throughput Strategy for Multiomic Systems Level Analysis. <i>Journal of Proteome Research</i> , 2018, 17, 3396-3408.	1.8	32
71	Novel vacuum stable ketone-based matrices for high spatial resolution MALDI imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1005-1012.	0.7	22
72	Integrated, High-Throughput, Multiomics Platform Enables Data-Driven Construction of Cellular Responses and Reveals Global Drug Mechanisms of Action. <i>Journal of Proteome Research</i> , 2017, 16, 1364-1375.	1.8	34

#	ARTICLE	IF	CITATIONS
73	Connecting imaging mass spectrometry and magnetic resonance imaging-based anatomical atlases for automated anatomical interpretation and differential analysis. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 967-977.	1.1	44
74	Enhanced Spatially Resolved Proteomics Using On-Tissue Hydrogel-Mediated Protein Digestion. <i>Analytical Chemistry</i> , 2017, 89, 2948-2955.	3.2	27
75	Mass Spectrometry Imaging Can Distinguish on a Proteomic Level Between Proliferative Nodules Within a Benign Congenital Nevus and Malignant Melanoma. <i>American Journal of Dermatopathology</i> , 2017, 39, 689-695.	0.3	22
76	Imaging MS of Rodent Ocular Tissues and the Optic Nerve. <i>Methods in Molecular Biology</i> , 2017, 1618, 15-27.	0.4	7
77	Dietary Manganese Promotes Staphylococcal Infection of the Heart. <i>Cell Host and Microbe</i> , 2017, 22, 531-542.e8.	5.1	51
78	Label-free molecular imaging of the kidney. <i>Kidney International</i> , 2017, 92, 580-598.	2.6	24
79	Bis(monoacylglycero)phosphate lipids in the retinal pigment epithelium implicate lysosomal/endosomal dysfunction in a model of Stargardt disease and human retinas. <i>Scientific Reports</i> , 2017, 7, 17352.	1.6	37
80	The Use of Multiple Fragmentation Events in a Single Laser Shot for Improved Drug Quantification by MALDI TOF/TOF Mass Spectrometry. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2017, , 269-276.	0.5	0
81	Imaging Mass Spectrometry – Molecular Microscopy for Biological and Clinical Research. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2017, , 115-132.	0.5	4
82	Spatial distributions of glutathione and its endogenous conjugates in normal bovine lens and a model of lens aging. <i>Experimental Eye Research</i> , 2017, 154, 70-78.	1.2	30
83	Absolute Quantification of Rifampicin by MALDI Imaging Mass Spectrometry Using Multiple TOF/TOF Events in a Single Laser Shot. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 136-144.	1.2	56
84	Histology-guided protein digestion/extraction from formalin-fixed and paraffin-embedded pressure ulcer biopsies. <i>Experimental Dermatology</i> , 2016, 25, 143-146.	1.4	16
85	Imaging mass spectrometry for accessing molecular changes during burn wound healing. <i>Wound Repair and Regeneration</i> , 2016, 24, 775-785.	1.5	8
86	Pragmatic pharmacology: population pharmacokinetic analysis of fentanyl using remnant samples from children after cardiac surgery. <i>British Journal of Clinical Pharmacology</i> , 2016, 81, 1165-1174.	1.1	30
87	The Development of Imaging Mass Spectrometry. , 2016, , 285-304.		3
88	Potential of MALDI imaging for the toxicological evaluation of environmental pollutants. <i>Journal of Proteomics</i> , 2016, 144, 133-139.	1.2	32
89	Multiple Time-of-Flight/Time-of-Flight Events in a Single Laser Shot for Improved Matrix-Assisted Laser Desorption/Ionization Tandem Mass Spectrometry Quantification. <i>Analytical Chemistry</i> , 2016, 88, 9780-9788.	3.2	12
90	Dietary zinc alters the microbiota and decreases resistance to <i>Clostridium difficile</i> infection. <i>Nature Medicine</i> , 2016, 22, 1330-1334.	15.2	201

#	ARTICLE	IF	CITATIONS
91	Life history linked to immune investment in developing amphibians. , 2016, 4, cow025.		28
92	Trypsin and MALDI matrix pre-coated targets simplify sample preparation for mapping proteomic distributions within biological tissues by imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2016, 51, 1168-1179.	0.7	19
93	Standard Reticle Slide To Objectively Evaluate Spatial Resolution and Instrument Performance in Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 7302-7311.	3.2	10
94	Imaging mass spectrometry assists in the classification of diagnostically challenging atypical Spitzoid neoplasms. <i>Journal of the American Academy of Dermatology</i> , 2016, 75, 1176-1186.e4.	0.6	38
95	The innate immune protein calprotectin promotes <i>Pseudomonas aeruginosa</i> and <i>Staphylococcus aureus</i> interaction. <i>Nature Communications</i> , 2016, 7, 11951.	5.8	114
96	Next-generation technologies for spatial proteomics: Integrating ultra-high speed MALDI-TOF and high mass resolution MALDI FTICR imaging mass spectrometry for protein analysis. <i>Proteomics</i> , 2016, 16, 1678-1689.	1.3	123
97	3-D imaging mass spectrometry of protein distributions in mouse Neurofibromatosis 1 (NF1)-associated optic glioma. <i>Journal of Proteomics</i> , 2016, 149, 77-84.	1.2	17
98	Imaging mass spectrometry: Molecular microscopy for the new age of biology and medicine. <i>Proteomics</i> , 2016, 16, 1607-1612.	1.3	48
99	Absolute Quantitative MALDI Imaging Mass Spectrometry: A Case of Rifampicin in Liver Tissues. <i>Analytical Chemistry</i> , 2016, 88, 2392-2398.	3.2	145
100	Phospholipid profiling identifies acyl chain elongation as a ubiquitous trait and potential target for the treatment of lung squamous cell carcinoma. <i>Oncotarget</i> , 2016, 7, 12582-12597.	0.8	58
101	Pathology interface for the molecular analysis of tissue by mass spectrometry. <i>Journal of Pathology Informatics</i> , 2016, 7, 13.	0.8	11
102	The Need for Speed in Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry. <i>Postdoc Journal</i> , 2016, 4, 3-13.	0.4	17
103	MALDI Imaging Mass Spectrometry as a Lipidomic Approach to Heart Valve Research. <i>Journal of Heart Valve Disease</i> , 2016, 25, 240-252.	0.5	13
104	Decellularization of intact tissue enables MALDI imaging mass spectrometry analysis of the extracellular matrix. <i>Journal of Mass Spectrometry</i> , 2015, 50, 1288-1293.	0.7	32
105	Congenital nevi versus metastatic melanoma in a newborn to a mother with malignant melanoma—diagnosis supported by sex chromosome analysis and Imaging Mass Spectrometry. <i>Journal of Cutaneous Pathology</i> , 2015, 42, 757-764.	0.7	21
106	MALDI FTICR IMS of Intact Proteins: Using Mass Accuracy to Link Protein Images with Proteomics Data. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 974-985.	1.2	95
107	EXIMS: an improved data analysis pipeline based on a new peak picking method for EXploring Imaging Mass Spectrometry data. <i>Bioinformatics</i> , 2015, 31, 3198-3206.	1.8	31
108	Histology-Directed Microwave Assisted Enzymatic Protein Digestion for MALDI MS Analysis of Mammalian Tissue. <i>Analytical Chemistry</i> , 2015, 87, 670-676.	3.2	28

#	ARTICLE	IF	CITATIONS
109	Image fusion of mass spectrometry and microscopy: a multimodality paradigm for molecular tissue mapping. <i>Nature Methods</i> , 2015, 12, 366-372.	9.0	240
110	Tissue protein imaging at 1 μ m laser spot diameter for high spatial resolution and high imaging speed using transmission geometry MALDI TOF MS. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 2337-2342.	1.9	149
111	Peptide spectra in Wilms tumor that associate with adverse outcomes. <i>Journal of Surgical Research</i> , 2015, 196, 332-338.	0.8	4
112	Histology-directed and imaging mass spectrometry: An emerging technology in ectopic calcification. <i>Bone</i> , 2015, 74, 83-94.	1.4	30
113	Adhesive Fiber Stratification in Uropathogenic <i>Escherichia coli</i> Biofilms Unveils Oxygen-Mediated Control of Type 1 Pili. <i>PLoS Pathogens</i> , 2015, 11, e1004697.	2.1	78
114	Non-small cell lung cancer is characterized by dramatic changes in phospholipid profiles. <i>International Journal of Cancer</i> , 2015, 137, 1539-1548.	2.3	143
115	High spatial resolution proteomic comparison of the brain in humans and chimpanzees. <i>Journal of Comparative Neurology</i> , 2015, 523, 2043-2061.	0.9	18
116	Imaging Mass Spectrometry: Enabling a New Age of Discovery in Biology and Medicine Through Molecular Microscopy. <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 850-852.	1.2	27
117	High-speed MALDI MS/MS imaging mass spectrometry using continuous raster sampling. <i>Journal of Mass Spectrometry</i> , 2015, 50, 703-710.	0.7	85
118	Are clear cell carcinomas of the ovary and endometrium phenotypically identical? A proteomic analysis. <i>Human Pathology</i> , 2015, 46, 1427-1436.	1.1	12
119	Signal Transducer and Activator of Transcription 3, Mediated Remodeling of the Tumor Microenvironment Results in Enhanced Tumor Drug Delivery in a Mouse Model of Pancreatic Cancer. <i>Gastroenterology</i> , 2015, 149, 1932-1943.e9.	0.6	151
120	Imaging Mass Spectrometry for Assessing Cutaneous Wound Healing: Analysis of Pressure Ulcers. <i>Journal of Proteome Research</i> , 2015, 14, 986-996.	1.8	35
121	David Rittenberg, , 2015, , 177.		0
122	Imaging mass spectrometry: Molecular microscopy for enabling a new age of discovery. <i>Proteomics</i> , 2014, 14, 807-809.	1.3	23
123	MALDI imaging mass spectrometry: Spatial molecular analysis to enable a new age of discovery. <i>Journal of Proteomics</i> , 2014, 107, 71-82.	1.2	230
124	Matrix pre-coated targets for high throughput MALDI imaging of proteins. <i>Journal of Mass Spectrometry</i> , 2014, 49, 417-422.	0.7	23
125	Acyl-Coenzyme A Binding Protein Regulates Beta-Oxidation Required for Growth and Survival of Non-small Cell Lung Cancer. <i>Cancer Prevention Research</i> , 2014, 7, 748-757.	0.7	36
126	Automated Anatomical Interpretation of Ion Distributions in Tissue: Linking Imaging Mass Spectrometry to Curated Atlases. <i>Analytical Chemistry</i> , 2014, 86, 8974-8982.	3.2	37

#	ARTICLE	IF	CITATIONS
127	A derivatization and validation strategy for determining the spatial localization of endogenous amine metabolites in tissues using MALDI imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 665-673.	0.7	81
128	Advanced mass spectrometry technologies for the study of microbial pathogenesis. <i>Current Opinion in Microbiology</i> , 2014, 19, 45-51.	2.3	34
129	Implementation of a Gaussian Beam Laser and Aspheric Optics for High Spatial Resolution MALDI Imaging MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1079-1082.	1.2	46
130	High Resolution MALDI Imaging Mass Spectrometry of Retinal Tissue Lipids. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1394-1403.	1.2	92
131	Diabetic nephropathy induces alterations in the glomerular and tubule lipid profiles. <i>Journal of Lipid Research</i> , 2014, 55, 1375-1385.	2.0	95
132	Towards automated discrimination of lipids versus peptides from full scan mass spectra. <i>EuPA Open Proteomics</i> , 2014, 4, 87-100.	2.5	6
133	Race Disparities in Peptide Profiles of North American and Kenyan Wilms Tumor Specimens. <i>Journal of the American College of Surgeons</i> , 2014, 218, 707-720.	0.2	26
134	Co-registration of multi-modality imaging allows for comprehensive analysis of tumor-induced bone disease. <i>Bone</i> , 2014, 61, 208-216.	1.4	26
135	Imaging mass spectrometry for assessing temporal proteomics: Analysis of calprotectin in <i>Acinetobacter baumannii</i> pulmonary infection. <i>Proteomics</i> , 2014, 14, 820-828.	1.3	48
136	MALDI Imaging Mass Spectrometry. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2014, , 99-113.	0.5	0
137	Targeted Multiplex Imaging Mass Spectrometry in Transmission Geometry for Subcellular Spatial Resolution. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 609-614.	1.2	49
138	MALDI Imaging and in Situ Identification of Integral Membrane Proteins from Rat Brain Tissue Sections. <i>Analytical Chemistry</i> , 2013, 85, 7191-7196.	3.2	41
139	Imaging mass spectrometry: A new tool for pathology in a molecular age. <i>Proteomics - Clinical Applications</i> , 2013, 7, 733-738.	0.8	67
140	An LC-MS assay for the screening of cardiovascular medications in human samples. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2013, 937, 44-53.	1.2	35
141	Imaging the Clear Cell Renal Cell Carcinoma Proteome. <i>Journal of Urology</i> , 2013, 189, 1097-1103.	0.2	40
142	Imaging Mass Spectrometry of Intact Biomolecules in Tissue Sections. , 2013, , 393-406.		0
143	Matrix-Assisted Laser Desorption Ionization Imaging Mass Spectrometry: In Situ Molecular Mapping. <i>Biochemistry</i> , 2013, 52, 3818-3828.	1.2	118
144	Analysis of Tissue Specimens by Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry in Biological and Clinical Research. <i>Chemical Reviews</i> , 2013, 113, 2309-2342.	23.0	585

#	ARTICLE	IF	CITATIONS
145	Identification of promethazine as an amyloid-binding molecule using a fluorescence high-throughput assay and MALDI imaging mass spectrometry. <i>NeuroImage: Clinical</i> , 2013, 2, 620-629.	1.4	20
146	Localized in Situ Hydrogel-Mediated Protein Digestion and Extraction Technique for on-Tissue Analysis. <i>Analytical Chemistry</i> , 2013, 85, 2717-2723.	3.2	46
147	Matrix Precoated Targets for Direct Lipid Analysis and Imaging of Tissue. <i>Analytical Chemistry</i> , 2013, 85, 2907-2912.	3.2	44
148	Laser Beam Filtration for High Spatial Resolution MALDI Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1153-1156.	1.2	75
149	MntABC and MntH Contribute to Systemic <i>Staphylococcus aureus</i> Infection by Competing with Calprotectin for Nutrient Manganese. <i>Infection and Immunity</i> , 2013, 81, 3395-3405.	1.0	173
150	Activation of heme biosynthesis by a small molecule that is toxic to fermenting <i>Staphylococcus aureus</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 8206-8211.	3.3	40
151	Proteomic patterns of colonic mucosal tissues delineate Crohn's colitis and ulcerative colitis. <i>Proteomics - Clinical Applications</i> , 2013, 7, 541-549.	0.8	48
152	Winners of the 2012 JMS award. <i>Journal of Mass Spectrometry</i> , 2013, 48, 287-290.	0.7	0
153	Differential Intrahepatic Phospholipid Zonation in Simple Steatosis and Nonalcoholic Steatohepatitis. <i>PLoS ONE</i> , 2013, 8, e57165.	1.1	57
154	Imaging mass spectrometry of intact biomolecules in tissue sections. , 2013, , 339-352.		0
155	Cell-Autonomous and Non-Cell-Autonomous Roles for Irf6 during Development of the Tongue. <i>PLoS ONE</i> , 2013, 8, e56270.	1.1	17
156	Identification of an <i>Acinetobacter baumannii</i> Zinc Acquisition System that Facilitates Resistance to Calprotectin-mediated Zinc Sequestration. <i>PLoS Pathogens</i> , 2012, 8, e1003068.	2.1	226
157	Direct imaging of single cells and tissue at sub-cellular spatial resolution using transmission geometry MALDI MS. <i>Journal of Mass Spectrometry</i> , 2012, 47, 1473-1481.	0.7	199
158	Altered Expression of Nuclear and Cytoplasmic Histone H1 in Pulmonary Artery and Pulmonary Artery Smooth Muscle Cells in Patients with IPAH. <i>Pulmonary Circulation</i> , 2012, 2, 340-351.	0.8	9
159	Direct imaging of single cells and tissue at sub-cellular spatial resolution using transmission geometry MALDI MS. <i>Journal of Mass Spectrometry</i> , 2012, 47, i-i.	0.7	75
160	Imaging Mass Spectrometry—A New and Promising Method to Differentiate Spitz Nevi From Spitzoid Malignant Melanomas. <i>American Journal of Dermatopathology</i> , 2012, 34, 82-90.	0.3	103
161	Targeted Multiplex Imaging Mass Spectrometry with Single Chain Fragment Variable (scfv) Recombinant Antibodies. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1689-1696.	1.2	23
162	Activity-Based Probes Linked with Laser-Cleavable Mass Tags for Signal Amplification in Imaging Mass Spectrometry: Analysis of Serine Hydrolase Enzymes in Mammalian Tissue. <i>Analytical Chemistry</i> , 2012, 84, 3689-3695.	3.2	37

#	ARTICLE	IF	CITATIONS
163	Monitoring the Inflammatory Response to Infection through the Integration of MALDI IMS and MRI. <i>Cell Host and Microbe</i> , 2012, 11, 664-673.	5.1	71
164	Enhanced Sensitivity for High Spatial Resolution Lipid Analysis by Negative Ion Mode Matrix Assisted Laser Desorption Ionization Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 1557-1564.	3.2	194
165	Dual Analysis for Mycobacteria and Propionibacteria in Sarcoidosis BAL. <i>Journal of Clinical Immunology</i> , 2012, 32, 1129-1140.	2.0	73
166	3D Imaging by Mass Spectrometry: A New Frontier. <i>Analytical Chemistry</i> , 2012, 84, 2105-2110.	3.2	134
167	Molecular characterization of Wilms' tumor from a resource-constrained region of sub-Saharan Africa. <i>International Journal of Cancer</i> , 2012, 131, E983-94.	2.3	27
168	Networked-based Characterization of Extracellular Matrix Proteins from Adult Mouse Pulmonary and Aortic Valves. <i>Journal of Proteome Research</i> , 2011, 10, 812-823.	1.8	36
169	ScanRanker: Quality Assessment of Tandem Mass Spectra via Sequence Tagging. <i>Journal of Proteome Research</i> , 2011, 10, 2896-2904.	1.8	30
170	High-Throughput Quantification of Bioactive Lipids by MALDI Mass Spectrometry: Application to Prostaglandins. <i>Analytical Chemistry</i> , 2011, 83, 6683-6688.	3.2	21
171	Matrix Sublimation/Recrystallization for Imaging Proteins by Mass Spectrometry at High Spatial Resolution. <i>Analytical Chemistry</i> , 2011, 83, 5728-5734.	3.2	330
172	Proteomic analysis of formalin-fixed paraffin-embedded tissue by MALDI imaging mass spectrometry. <i>Nature Protocols</i> , 2011, 6, 1695-1709.	5.5	242
173	MALDI Imaging of Lipid Biochemistry in Tissues by Mass Spectrometry. <i>Chemical Reviews</i> , 2011, 111, 6491-6512.	23.0	320
174	In situ mass spectrometry of autoimmune liver diseases. <i>Cellular and Molecular Immunology</i> , 2011, 8, 237-242.	4.8	11
175	Lung Cancer Diagnosis from Proteomic Analysis of Preinvasive Lesions. <i>Cancer Research</i> , 2011, 71, 3009-3017.	0.4	64
176	Race Disparities in Wilms Tumor Incidence and Biology. <i>Journal of Surgical Research</i> , 2011, 170, 112-119.	0.8	36
177	High-Speed MALDI-TOF Imaging Mass Spectrometry: Rapid Ion Image Acquisition and Considerations for Next Generation Instrumentation. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1022-1031.	1.2	137
178	Multiplexed molecular descriptors of pressure ulcers defined by imaging mass spectrometry. <i>Wound Repair and Regeneration</i> , 2011, 19, 734-744.	1.5	23
179	Spatial mapping by imaging mass spectrometry offers advancements for rapid definition of human skin proteomic signatures. <i>Experimental Dermatology</i> , 2011, 20, 642-647.	1.4	26
180	From proteomic multimarker profiling to interesting proteins: thymosin α_4 and kininogen α_1 as new potential biomarkers for inflammatory hepatic lesions. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 2176-2188.	1.6	19

#	ARTICLE	IF	CITATIONS
181	MALDI imaging mass spectrometry of human tissue: method challenges and clinical perspectives. <i>Trends in Biotechnology</i> , 2011, 29, 136-143.	4.9	175
182	Matrix Pre-Coated MALDI MS Targets for Small Molecule Imaging in Tissues. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 192-195.	1.2	57
183	Reagent Precoated Targets for Rapid In-Tissue Derivatization of the Anti-Tuberculosis Drug Isoniazid Followed by MALDI Imaging Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1409-1419.	1.2	65
184	Detergent enhancement of on-tissue protein analysis by matrix-assisted laser desorption/ionization imaging mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 199-204.	0.7	22
185	High spatial resolution imaging mass spectrometry and classical histology on a single tissue section. <i>Journal of Mass Spectrometry</i> , 2011, 46, 568-571.	0.7	98
186	On-tissue chemical derivatization of 3-methoxysalicylamine for MALDI-imaging mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2011, 46, 840-846.	0.7	56
187	Proteomic profiling of mucosal and submucosal colonic tissues yields protein signatures that differentiate the inflammatory colitides. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 875-883.	0.9	59
188	Protein signatures for survival and recurrence in metastatic melanoma. <i>Journal of Proteomics</i> , 2011, 74, 1002-1014.	1.2	104
189	Imaging of Intact Tissue Sections: Moving beyond the Microscope. <i>Journal of Biological Chemistry</i> , 2011, 286, 25459-25466.	1.6	102
190	From Whole-body Sections Down to Cellular Level, Multiscale Imaging of Phospholipids by MALDI Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2011, 10, S1-S11.	2.5	108
191	Imaging Mass Spectrometry. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2011, , 267-283.	0.5	2
192	Proteomic analysis of osteogenic sarcoma: association of tumour necrosis factor with poor prognosis. <i>International Journal of Experimental Pathology</i> , 2010, 91, 335-349.	0.6	11
193	The pros and cons of peptide-centric proteomics. <i>Nature Biotechnology</i> , 2010, 28, 659-664.	9.4	130
194	Molecular imaging by mass spectrometry – looking beyond classical histology. <i>Nature Reviews Cancer</i> , 2010, 10, 639-646.	12.8	320
195	The Anti-tumorigenic Properties of Peroxisomal Proliferator-activated Receptor α Are Arachidonic Acid Epoxygenase-mediated. <i>Journal of Biological Chemistry</i> , 2010, 285, 12840-12850.	1.6	75
196	Uterine FK506-binding protein 52 (FKBP52)-peroxiredoxin-6 (PRDX6) signaling protects pregnancy from overt oxidative stress. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 15577-15582.	3.3	62
197	Detection of Tumor Epidermal Growth Factor Receptor Pathway Dependence by Serum Mass Spectrometry in Cancer Patients. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2010, 19, 358-365.	1.1	61
198	Identification of Markers of Taxane Sensitivity Using Proteomic and Genomic Analyses of Breast Tumors from Patients Receiving Neoadjuvant Paclitaxel and Radiation. <i>Clinical Cancer Research</i> , 2010, 16, 681-690.	3.2	167

#	ARTICLE	IF	CITATIONS
199	Imaging Mass Spectrometry: Viewing the Future. <i>Methods in Molecular Biology</i> , 2010, 656, 3-19.	0.4	32
200	MALDI Imaging Mass Spectrometry – Painting Molecular Pictures. <i>Molecular Oncology</i> , 2010, 4, 529-538.	2.1	107
201	Gastric Cancer-Specific Protein Profile Identified Using Endoscopic Biopsy Samples via MALDI Mass Spectrometry. <i>Journal of Proteome Research</i> , 2010, 9, 4123-4130.	1.8	76
202	Structural Characterization of Phospholipids and Peptides Directly from Tissue Sections by MALDI Traveling-Wave Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2010, 82, 1881-1889.	3.2	88
203	Molecular Analysis of Tumor Margins by MALDI Mass Spectrometry in Renal Carcinoma. <i>Journal of Proteome Research</i> , 2010, 9, 2182-2190.	1.8	152
204	Direct Molecular Analysis of Whole-Body Animal Tissue Sections by MALDI Imaging Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2010, 656, 285-301.	0.4	41
205	Profiling and Imaging of Tissues by Imaging Ion Mobility–Mass Spectrometry. , 2010, , 269-286.		0
206	Identification of Early Intestinal Neoplasia Protein Biomarkers Using Laser Capture Microdissection and MALDI MS. <i>Molecular and Cellular Proteomics</i> , 2009, 8, 936-945.	2.5	24
207	Spatial and temporal alterations of phospholipids determined by mass spectrometry during mouse embryo implantation. <i>Journal of Lipid Research</i> , 2009, 50, 2290-2298.	2.0	136
208	Liquid Chromatography-Tandem and MALDI Imaging Mass Spectrometry Analyses of RCL2/CS100-Fixed, Paraffin-Embedded Tissues: Proteomics Evaluation of an Alternate Fixative for Biomarker Discovery. <i>Journal of Proteome Research</i> , 2009, 8, 5619-5628.	1.8	49
209	MALDI Imaging Mass Spectrometry of Integral Membrane Proteins from Ocular Lens and Retinal Tissue. <i>Journal of Proteome Research</i> , 2009, 8, 3278-3283.	1.8	99
210	Variations in the expressed antimicrobial peptide repertoire of northern leopard frog (<i>Rana pipiens</i>) populations suggest intraspecies differences in resistance to pathogens. <i>Developmental and Comparative Immunology</i> , 2009, 33, 1247-1257.	1.0	86
211	Indomethacin Amides as a Novel Molecular Scaffold for Targeting <i>Trypanosoma cruzi</i> Sterol 14 α -Demethylase. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 2846-2853.	2.9	40
212	MALDI Imaging and Profiling Mass Spectrometry in Neuroproteomics. <i>Frontiers in Neuroscience</i> , 2009, , 115-134.	0.0	1
213	High-Throughput Profiling of Formalin-Fixed Paraffin-Embedded Tissue Using Parallel Electrophoresis and Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 7490-7495.	3.2	18
214	MALDI IMS for Proteins and Biomarkers. , 2009, , 355-375.		0
215	Solvent-free matrix dry-coating for MALDI imaging of phospholipids. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 882-886.	1.2	211
216	Enhancement of protein sensitivity for MALDI imaging mass spectrometry after chemical treatment of tissue sections. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 1069-1077.	1.2	252

#	ARTICLE	IF	CITATIONS
217	High-throughput proteomic analysis of formalin-fixed paraffin-embedded tissue microarrays using MALDI imaging mass spectrometry. <i>Proteomics</i> , 2008, 8, 3715-3724.	1.3	274
218	Perspectives on imaging mass spectrometry in biology and medicine. <i>Proteomics</i> , 2008, 8, 3679-3680.	1.3	19
219	Imaging mass spectrometry: Towards clinical diagnostics. <i>Proteomics - Clinical Applications</i> , 2008, 2, 1435-1443.	0.8	36
220	MALDI-MS derived prognostic protein markers for resected non-small cell lung cancer. <i>Proteomics - Clinical Applications</i> , 2008, 2, 1508-1517.	0.8	28
221	Identification of dimethyldioctadecylammonium ion (m/z 550.6) and related species (m/z 522.6, 494.6) as a source of contamination in mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2008, 19, 666-670.	1.2	25
222	Differential Efficacy of Combined Therapy With Radiation and AEE788 in High and Low EGFR-Expressing Androgen-Independent Prostate Tumor Models. <i>International Journal of Radiation Oncology Biology Physics</i> , 2008, 71, 237-246.	0.4	15
223	Imaging mass spectrometry of proteins and peptides: 3D volume reconstruction. <i>Nature Methods</i> , 2008, 5, 101-108.	9.0	225
224	Integrating spatially resolved three-dimensional MALDI IMS with in vivo magnetic resonance imaging. <i>Nature Methods</i> , 2008, 5, 57-59.	9.0	153
225	Tissue profiling MALDI mass spectrometry reveals prominent calcium-binding proteins in the proteome of regenerative MRL mouse wounds. <i>Wound Repair and Regeneration</i> , 2008, 16, 442-449.	1.5	32
226	Differentiating Proteomic Biomarkers in Breast Cancer by Laser Capture Microdissection and MALDI MS. <i>Journal of Proteome Research</i> , 2008, 7, 1500-1507.	1.8	57
227	Matrix-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry for the Investigation of Proteins and Peptides. <i>Annual Review of Analytical Chemistry</i> , 2008, 1, 689-705.	2.8	86
228	Metal Chelation and Inhibition of Bacterial Growth in Tissue Abscesses. <i>Science</i> , 2008, 319, 962-965.	6.0	751
229	MALDI-FTICR Imaging Mass Spectrometry of Drugs and Metabolites in Tissue. <i>Analytical Chemistry</i> , 2008, 80, 5648-5653.	3.2	320
230	In situ molecular imaging of proteins in tissues using mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 899-903.	1.9	38
231	Imaging Mass Spectrometry of Intact Proteins from Alcohol-Preserved Tissue Specimens: Bypassing Formalin Fixation. <i>Journal of Proteome Research</i> , 2008, 7, 3543-3555.	1.8	67
232	Molecular imaging of proteins in tissues by mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 18126-18131.	3.3	269
233	Monitoring Mouse Prostate Development by Profiling and Imaging Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2008, 7, 411-423.	2.5	65
234	Imaging Mass Spectrometry Reveals Unique Protein Profiles during Embryo Implantation. <i>Endocrinology</i> , 2008, 149, 3274-3278.	1.4	61

#	ARTICLE	IF	CITATIONS
235	Molecular imaging by mass spectrometry. , 2008, , 533-554.		3
236	Mass Spectrometry in Cancer Biology. , 2008, , 293-307.		2
237	Mass Spectrometry to Classify Non-“Small-Cell Lung Cancer Patients for Clinical Outcome After Treatment With Epidermal Growth Factor Receptor Tyrosine Kinase Inhibitors: A Multicohort Cross-Institutional Study. Journal of the National Cancer Institute, 2007, 99, 838-846.	3.0	303
238	Multivariable Difference Gel Electrophoresis and Mass Spectrometry. Molecular and Cellular Proteomics, 2007, 6, 150-169.	2.5	39
239	Diagnostic Accuracy of MALDI Mass Spectrometric Analysis of Unfractionated Serum in Lung Cancer. Journal of Thoracic Oncology, 2007, 2, 893-901.	0.5	111
240	Alterations in the diabetic myocardial proteome coupled with increased myocardial oxidative stress underlies diabetic cardiomyopathy. Journal of Molecular and Cellular Cardiology, 2007, 42, 884-895.	0.9	111
241	Detection of pre-neoplastic and neoplastic prostate disease by MADI profiling of urine. Biochemical and Biophysical Research Communications, 2007, 353, 829-834.	1.0	91
242	Increased Striatal mRNA and Protein Levels of the Immunophilin FKBP-12 in Experimental Parkinson's Disease and Identification of FKBP-12-Binding Proteins. Journal of Proteome Research, 2007, 6, 3952-3961.	1.8	29
243	Direct Tissue Analysis by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry: Application to Kidney Biology. Seminars in Nephrology, 2007, 27, 597-608.	0.6	62
244	Identification of proteins directly from tissue:in situ tryptic digestions coupled with imaging mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 254-262.	0.7	345
245	Instrument design and characterization for high resolution MALDI-MS imaging of tissue sections. Journal of Mass Spectrometry, 2007, 42, 476-489.	0.7	121
246	Profiling and imaging of tissues by imaging ion mobility- mass spectrometry. Journal of Mass Spectrometry, 2007, 42, 1099-1105.	0.7	202
247	MALDI-MS-based imaging of small molecules and proteins in tissues. Current Opinion in Chemical Biology, 2007, 11, 29-35.	2.8	207
248	MALDI imaging mass spectrometry: molecular snapshots of biochemical systems. Nature Methods, 2007, 4, 828-833.	9.0	767
249	Epididymis-specific lipocalin promoters. Asian Journal of Andrology, 2007, 9, 515-521.	0.8	22
250	Processing MALDI mass spectra to improve mass spectral direct tissue analysis. International Journal of Mass Spectrometry, 2007, 260, 212-221.	0.7	188
251	Identification of phosphorylation sites in glycine N-methyltransferase from rat liver. Protein Science, 2006, 15, 785-794.	3.1	17
252	Direct Molecular Analysis of Whole-Body Animal Tissue Sections by Imaging MALDI Mass Spectrometry. Analytical Chemistry, 2006, 78, 6448-6456.	3.2	476

#	ARTICLE	IF	CITATIONS
253	Decreased Striatal Levels of PEP-19 Following MPTP Lesion in the Mouse. <i>Journal of Proteome Research</i> , 2006, 5, 262-269.	1.8	115
254	Automated Acoustic Matrix Deposition for MALDI Sample Preparation. <i>Analytical Chemistry</i> , 2006, 78, 827-834.	3.2	320
255	Epididymis-specific promoter-driven gene targeting: A transcription factor which regulates epididymis-specific gene expression. <i>Molecular and Cellular Endocrinology</i> , 2006, 250, 184-189.	1.6	15
256	Chapter 3.2 Microdialysis coupled with liquid chromatography/mass spectrometry. <i>Handbook of Behavioral Neuroscience</i> , 2006, 16, 251-266.	0.7	0
257	Proteomic Strategies for the Characterization and the Early Detection of Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2006, 1, 1027-1039.	0.5	9
258	Proteomics in Diagnostic Neuropathology. <i>Journal of Neuropathology and Experimental Neurology</i> , 2006, 65, 837-845.	0.9	22
259	New Developments in Profiling and Imaging of Proteins from Tissue Sections by MALDI Mass Spectrometry. <i>Journal of Proteome Research</i> , 2006, 5, 2889-2900.	1.8	260
260	Molecular imaging of thin mammalian tissue sections by mass spectrometry. <i>Current Opinion in Biotechnology</i> , 2006, 17, 431-436.	3.3	103
261	Biomarker Discovery by Imaging Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1876-1886.	2.5	128
262	Selective Profiling of Proteins in Lung Cancer Cells from Fine-Needle Aspirates by Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry. <i>Clinical Cancer Research</i> , 2006, 12, 5142-5150.	3.2	50
263	A Novel Histology-directed Strategy for MALDI-MS Tissue Profiling That Improves Throughput and Cellular Specificity in Human Breast Cancer. <i>Molecular and Cellular Proteomics</i> , 2006, 5, 1975-1983.	2.5	169
264	Proteomic Strategies for the Characterization and the Early Detection of Lung Cancer. <i>Journal of Thoracic Oncology</i> , 2006, 1, 1027-1039.	0.5	18
265	Proteomic strategies for the characterization and the early detection of lung cancer. <i>Journal of Thoracic Oncology</i> , 2006, 1, 1027-39.	0.5	8
266	Three-dimensional visualization of protein expression in mouse brain structures using imaging mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 1093-1099.	1.2	147
267	Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7094-7097.	7.2	224
268	Cover Picture: Mass Spectrometric Profiling of Intact Biological Tissue by Using Desorption Electrospray Ionization (<i>Angew. Chem. Int. Ed.</i> 43/2005). <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6967-6967.	7.2	0
269	Mass spectrometric determination of selenenylsulfide linkages in rat selenoprotein P. <i>Journal of Mass Spectrometry</i> , 2005, 40, 400-404.	0.7	22
270	Nonacid cleavable detergents applied to MALDI mass spectrometry profiling of whole cells. <i>Journal of Mass Spectrometry</i> , 2005, 40, 1319-1326.	0.7	16

#	ARTICLE	IF	CITATIONS
271	Direct profiling of the cerebellum by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry: A methodological study in postnatal and adult mouse. <i>Journal of Neuroscience Research</i> , 2005, 81, 613-621.	1.3	16
272	Proteomic Patterns of Preinvasive Bronchial Lesions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005, 172, 1556-1562.	2.5	87
273	Deciphering Protein Molecular Signatures in Cancer Tissues to Aid in Diagnosis, Prognosis, and Therapy: Figure 1.. <i>Cancer Research</i> , 2005, 65, 10642-10645.	0.4	61
274	Proteomic-Based Prognosis of Brain Tumor Patients Using Direct-Tissue Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. <i>Cancer Research</i> , 2005, 65, 7674-7681.	0.4	221
275	Proteomic exploration of pancreatic islets in mice null for the $\alpha 2A$ adrenergic receptor. <i>Journal of Molecular Endocrinology</i> , 2005, 35, 73-88.	1.1	25
276	Proteomic Patterns and Prediction of Glomerulosclerosis and Its Mechanisms. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 2967-2975.	3.0	100
277	Imaging Mass Spectrometry: Principles and Potentials. <i>Toxicologic Pathology</i> , 2005, 33, 92-101.	0.9	161
278	Tissue Profiling by Mass Spectrometry. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 394-401.	2.5	229
279	Identification of Protein Fragments as Pattern Features in MALDI-MS Analyses of Serum. <i>Journal of Proteome Research</i> , 2005, 4, 1672-1680.	1.8	19
280	Genomic and Proteomic Analysis of Mammary Tumors Arising in Transgenic Mice. <i>Journal of Proteome Research</i> , 2005, 4, 2088-2098.	1.8	13
281	Combination Detergent/MALDI Matrix: A Functional Cleavable Detergents for Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 5036-5040.	3.2	31
282	Increased Levels of Ubiquitin in the 6-OHDA-Lesioned Striatum of Rats. <i>Journal of Proteome Research</i> , 2005, 4, 223-226.	1.8	36
283	Perspective: A Program to Improve Protein Biomarker Discovery for Cancer. <i>Journal of Proteome Research</i> , 2005, 4, 1104-1109.	1.8	141
284	MALDI Mass Spectrometry for Direct Tissue Analysis: A New Tool for Biomarker Discovery. <i>Journal of Proteome Research</i> , 2005, 4, 1138-1142.	1.8	104
285	Tissue Profiling by MALDI Mass Spectrometry Distinguishes Clinical Grades of Soft Tissue Sarcomas. <i>Cancer Genomics and Proteomics</i> , 2005, 2, 333-345.	1.0	3
286	Protein Profiling in Brain Tumors Using Mass Spectrometry. <i>Clinical Cancer Research</i> , 2004, 10, 981-987.	3.2	198
287	Proteome analysis of human colon cancer by two-dimensional difference gel electrophoresis and mass spectrometry. <i>Proteomics</i> , 2004, 4, 793-811.	1.3	352
288	Molecular Profiling of Experimental Parkinson's Disease: Direct Analysis of Peptides and Proteins on Brain Tissue Sections by MALDI Mass Spectrometry. <i>Journal of Proteome Research</i> , 2004, 3, 289-295.	1.8	162

#	ARTICLE	IF	CITATIONS
289	Early Changes in Protein Expression Detected by Mass Spectrometry Predict Tumor Response to Molecular Therapeutics. <i>Cancer Research</i> , 2004, 64, 9093-9100.	0.4	141
290	Integrating Histology and Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 1145-1155.	3.2	332
291	Peer Reviewed: Profiling and Imaging Proteins in Tissue Sections by MS. <i>Analytical Chemistry</i> , 2004, 76, 86 A-93 A.	3.2	76
292	Assessing Protein Patterns in Disease Using Imaging Mass Spectrometry. <i>Journal of Proteome Research</i> , 2004, 3, 245-252.	1.8	151
293	Proteomics in Diagnostic Pathology. <i>American Journal of Pathology</i> , 2004, 165, 1057-1068.	1.9	257
294	Mass spectrometry in the exploration of Mars. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1-10.	0.7	20
295	Direct tissue analysis using matrix-assisted laser desorption/ionization mass spectrometry: practical aspects of sample preparation. <i>Journal of Mass Spectrometry</i> , 2003, 38, 699-708.	0.7	596
296	Direct analysis of drug candidates in tissue by matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2003, 38, 1081-1092.	0.7	341
297	Loss of selenium from selenoproteins: Conversion of selenocysteine to dehydroalanine in vitro. <i>Journal of the American Society for Mass Spectrometry</i> , 2003, 14, 593-600.	1.2	92
298	Profiling and imaging proteins in the mouse epididymis by imaging mass spectrometry. <i>Proteomics</i> , 2003, 3, 2221-2239.	1.3	133
299	In vivoprocessing 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.	0.7	27
300	Molecular Fingerprinting in Human Lung Cancer. <i>Clinical Lung Cancer</i> , 2003, 5, 113-118.	1.1	24
301	Mass Spectrometry of Intracellular and Membrane Proteins Using Cleavable Detergents. <i>Analytical Chemistry</i> , 2003, 75, 6642-6647.	3.2	71
302	Proteomic patterns of tumour subsets in non-small-cell lung cancer. <i>Lancet, The</i> , 2003, 362, 433-439.	6.3	597
303	Functional analysis of the molecular determinants of cyclooxygenase-2 acetylation by 2-acetoxyphenylhept-2-ynyl sulfide. <i>Archives of Biochemistry and Biophysics</i> , 2003, 409, 127-133.	1.4	8
304	Epididymal Lipocalin-Type Prostaglandin D2 Synthase: Identification Using Mass Spectrometry, Messenger RNA Localization, and Immunodetection in Mouse, Rat, Hamster, and Monkey1. <i>Biology of Reproduction</i> , 2002, 66, 524-533.	1.2	18
305	Mass Spectrometric Characterization of Full-length Rat Selenoprotein P and Three Isoforms Shortened at the C Terminus. <i>Journal of Biological Chemistry</i> , 2002, 277, 12749-12754.	1.6	89
306	Direct profiling and imaging of peptides and proteins from mammalian cells and tissue sections by mass spectrometry. <i>Electrophoresis</i> , 2002, 23, 3125-3135.	1.3	206

#	ARTICLE	IF	CITATIONS
307	Imaging mass spectrometry: a new tool to investigate the spatial organization of peptides and proteins in mammalian tissue sections. <i>Current Opinion in Chemical Biology</i> , 2002, 6, 676-681.	2.8	239
308	Direct analysis of laser capture microdissected cells by MALDI mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 1292-1297.	1.2	153
309	Prostaglandin H2 (PGH2) accelerates formation of amyloid β 1-42 oligomers. <i>Journal of Neurochemistry</i> , 2002, 82, 1003-1006.	2.1	58
310	A Sperm Cytoskeletal Protein That Signals Oocyte Meiotic Maturation and Ovulation. <i>Science</i> , 2001, 291, 2144-2147.	6.0	367
311	Characterization of the Lysyl Adducts of Prostaglandin H-Synthases That Are Derived from Oxygenation of Arachidonic Acid. <i>Biochemistry</i> , 2001, 40, 6948-6955.	1.2	35
312	Strain-based Sequence Variations and Structure Analysis of Murine Prostate Specific Spermine Binding Protein Using Mass Spectrometry. <i>Biochemistry</i> , 2001, 40, 9725-9733.	1.2	31
313	Organic ion imaging of biological tissue with secondary ion mass spectrometry and matrix-assisted laser desorption/ionization. <i>Journal of Mass Spectrometry</i> , 2001, 36, 355-369.	0.7	312
314	Profiling proteins from azoxymethane-induced colon tumors at the molecular level by matrix-assisted laser desorption/ionization mass spectrometry. <i>Proteomics</i> , 2001, 1, 1320-1326.	1.3	122
315	Imaging mass spectrometry: A new technology for the analysis of protein expression in mammalian tissues. <i>Nature Medicine</i> , 2001, 7, 493-496.	15.2	1,121
316	Carboxy-Terminal Proteolytic Processing of <i>Helicobacter pylori</i> Vacuolating Toxin. <i>Infection and Immunity</i> , 2001, 69, 543-546.	1.0	69
317	Heparin-binding Histidine and Lysine Residues of Rat Selenoprotein P. <i>Journal of Biological Chemistry</i> , 2001, 276, 15823-15831.	1.6	69
318	Mapping of surrogate markers of cellular components and structures using laser desorption/ionization mass spectrometry. , 2000, 35, 258-264.		16
319	Special Feature on Electrospray Ionization. <i>Journal of Mass Spectrometry</i> , 2000, 35, 761-761.	0.7	3
320	Proteomics, peptide sequencing and the fragmentation mechanisms of small organic ions. <i>Journal of Mass Spectrometry</i> , 2000, 35, 1375-1375.	0.7	2
321	Automated mass spectrometry imaging with a matrix-assisted laser desorption ionization time-of-flight instrument. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 67-71.	1.2	184
322	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.	1.1	68
323	Frequency scan for the analysis of high mass ions generated by matrix-assisted laser desorption/ionization in a Paul trap. , 1999, 13, 1792-1796.		47
324	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.	0.7	60

#	ARTICLE	IF	CITATIONS
325	Direct Profiling of Proteins in Biological Tissue Sections by MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 1999, 71, 5263-5270.	3.2	275
326	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. <i>Journal of Mass Spectrometry</i> , 1999, 34, 377.	0.7	1
327	Blood-brain barrier penetration of 3-aminopropyl-n-butylphosphinic acid (CGP 36742) in rat brain by microdialysis/mass spectrometry. , 1998, 33, 281-287.		28
328	Determination of protein-protein interactions by matrix-assisted laser desorption/ionization mass spectrometry. , 1998, 33, 697-704.		131
329	Studies in protein metabolism (<i>J.Biol.Chem.</i> 127,pp. 285-299, 1939). <i>Journal of Mass Spectrometry</i> , 1998, 33, 1163-1163.	0.7	0
330	Molecular Imaging of Biological Samples:Å Localization of Peptides and Proteins Using MALDI-TOF MS. <i>Analytical Chemistry</i> , 1997, 69, 4751-4760.	3.2	1,918
331	[20] Fast atom bombardment mass spectrometry. <i>Methods in Enzymology</i> , 1996, 270, 453-486.	0.4	18
332	Direct Analysis of Aqueous Samples by Matrix-assisted Laser Description Ionization Mass Spectrometry Using Membrane Targets Precoated with Matrix. , 1996, 31, 690-692.		23
333	Capillary Electrophoresis Combined with Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry; Continuous Sample Deposition on a Matrix-precoated Membrane Target. <i>Journal of Mass Spectrometry</i> , 1996, 31, 1039-1046.	0.7	97
334	Organizations in Mass Spectrometry: Past, Present and Future. <i>Journal of Mass Spectrometry</i> , 1996, 31, 951-954.	0.7	1
335	In vitro metabolism of LVV-hemorphin-7 in human plasma studied by reversed-phase high-performance liquid chromatography and micro-electrospray mass spectrometry. <i>Journal of Chromatography A</i> , 1996, 743, 207-212.	1.8	24
336	Reversed-phase high-performance liquid chromatography combined with tandem mass spectrometry in studies of a substance P-converting enzyme from human cerebrospinal fluid. <i>Journal of Chromatography A</i> , 1996, 743, 213-220.	1.8	15
337	In vivo metabolism of substance P in rat striatum utilizing microdialysis/liquid chromatography/micro-electrospray mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1995, 30, 817-824.	0.7	65
338	Mass discrimination in matrix-assisted laser desorption ionization time-of-flight mass spectrometry: A study using cross-linked oligomeric complexes. <i>Journal of Mass Spectrometry</i> , 1995, 30, 1245-1254.	0.7	11
339	Micro-preparation procedure for high-sensitivity matrix-assisted laser desorption ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 1995, 30, 1768-1771.	0.7	45
340	Specific molecular mass detection of endogenously released neuropeptides using in vivo microdialysis/mass spectrometry. <i>Journal of Neuroscience Methods</i> , 1995, 62, 141-147.	1.3	90
341	Micro-electrospray mass spectrometry: Ultra-high-sensitivity analysis of peptides and proteins. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 605-613.	1.2	481
342	Micro-Electrospray: Zeptomole/attomole per microliter sensitivity for peptides. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 867-869.	1.2	130

#	ARTICLE	IF	CITATIONS
343	Recent advances in liquid chromatography-mass spectrometry and capillary zone electrophoresis-mass spectrometry for protein analysis. <i>Journal of Chromatography A</i> , 1991, 553, 101-116.	1.8	35
344	Identification of nearest-neighbor peptides in protease digests by mass spectrometry for construction of sequence-ordered tryptic maps. <i>Biological Mass Spectrometry</i> , 1991, 20, 210-214.	0.5	20
345	Assessing the multimeric states of proteins: Studies using laser desorption mass spectrometry. <i>Biological Mass Spectrometry</i> , 1991, 20, 796-800.	0.5	56
346	[9] Continuous-flow fast atom bombardment mass spectrometry. <i>Methods in Enzymology</i> , 1990, 193, 214-237.	0.4	66
347	Coupling capillary zone electrophoresis and continuous-flow fast atom bombardment mass spectrometry for the analysis of peptide mixtures. <i>Journal of Chromatography A</i> , 1989, 480, 247-257.	1.8	98
348	Direct analysis of drugs by continuous-flow fast-atom bombardment and tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1989, 3, 117-122.	0.7	19
349	Synthesis of phosphopeptides containing α -phosphoserine or α -phosphothreonine. <i>International Journal of Peptide and Protein Research</i> , 1989, 33, 468-476.	0.1	35
350	Design of a coaxial continuous flow fast atom bombardment probe. <i>Rapid Communications in Mass Spectrometry</i> , 1988, 2, 100-104.	0.7	66
351	Analysis of mixtures of hydrophilic peptides by continuous-flow fast atom bombardment mass spectrometry. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1988, 86, 187-199.	1.9	17
352	Microbore high-performance liquid chromatography-mass spectrometry for the analysis of proteolytic digests by continuous-flow fast-atom bombardment mass spectrometry. <i>Journal of Chromatography A</i> , 1988, 443, 355-362.	1.8	56
353	Applications of mass spectrometry to enzymic reactions. <i>Biochemical Society Transactions</i> , 1987, 15, 162-164.	1.6	1
354	Microbore HPLC / mass spectrometry for the analysis of peptide mixtures using a continuous flow interface. <i>Biochemical and Biophysical Research Communications</i> , 1987, 146, 291-299.	1.0	55
355	Improved detection of "suppressed" peptides in enzymic digests analyzed by fab mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1987, 1, 15-18.	0.7	74
356	Analyses of carcinogen-modified oligonucleotides by fast atom bombardment/ tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1987, 1, 69-71.	0.7	18
357	Enzymes and mass spectrometry: A dynamic combination. <i>Mass Spectrometry Reviews</i> , 1987, 6, 237-287.	2.8	42
358	High sensitivity mass spectrometric determination of peptides: Direct analysis of aqueous solutions. <i>Biochemical and Biophysical Research Communications</i> , 1986, 141, 1058-1065.	1.0	57
359	Determination of K_m and V_{max} for tryptic peptide hydrolysis using fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1986, 58, 1080-1083.	3.2	22
360	A continuous-flow sample probe for fast atom bombardment mass spectrometry. <i>Analytical Chemistry</i> , 1986, 58, 2949-2954.	3.2	326

#	ARTICLE	IF	CITATIONS
361	Peptide sequence analysis using exopeptidases with molecular analysis of the truncated polypeptides by mass spectrometry. <i>Analytical Biochemistry</i> , 1986, 154, 596-603.	1.1	41
362	Quantitative aspects of fast atom bombardment mass spectrometry. <i>Biomedical Mass Spectrometry</i> , 1984, 11, 60-62.	1.8	34
363	Enzyme reaction rates determined by fast atom bombardment mass spectrometry. <i>Biomedical Mass Spectrometry</i> , 1984, 11, 392-395.	1.8	20
364	Protein N-terminal analysis using fast atom bombardment mass spectrometry. <i>Analytical Biochemistry</i> , 1983, 130, 328-333.	1.1	12
365	Fast atom bombardment for real-time analysis of peptide fragments from protein digestions. <i>International Journal of Mass Spectrometry and Ion Physics</i> , 1983, 46, 419-422.	1.3	11
366	Energy-dispersive X-ray fluorescence determination of platinum in plasma, urine, and cerebrospinal fluid of patients administered cis-dichlorodiammineplatinum(II). <i>Cancer Chemotherapy and Pharmacology</i> , 1983, 11, 120-123.	1.1	10
367	Performance of a fast atom bombardment source on a quadrupole mass spectrometer. <i>Biomedical Mass Spectrometry</i> , 1983, 10, 94-97.	1.8	26
368	Following enzyme catalysis in real-time inside a fast atom bombardment mass spectrometer. <i>Biomedical Mass Spectrometry</i> , 1983, 10, 98-102.	1.8	35
369	Fast atom bombardment mass spectrometry for determination of dissociation constants of weak acids in solution. <i>Analytical Chemistry</i> , 1983, 55, 2387-2391.	3.2	51
370	Comparison of high-performance liquid chromatography and anticholinesterase assay for measuring azinphos-methyl metabolism in vitro. <i>Journal of Agricultural and Food Chemistry</i> , 1983, 31, 756-759.	2.4	2
371	Inhibition of Human Polymorphonuclear Leukocyte Function by Components of Human Colostrum and Mature Milk. <i>Infection and Immunity</i> , 1983, 40, 8-15.	1.0	10
372	Report on FAB mass spectrometry workshop held in Baltimore, Maryland, 11 December, 1981. <i>Biomedical Mass Spectrometry</i> , 1982, 9, 557-558.	1.8	1
373	Human tissue distribution of platinum after cis-diamminedichloroplatinum. <i>Cancer Chemotherapy and Pharmacology</i> , 1982, 10, 51-4.	1.1	106
374	Determination of Plasma Fentanyl by GC-mass Spectrometry and Pharmacokinetic Analysis. <i>Journal of Pharmaceutical Sciences</i> , 1981, 70, 1276-1279.	1.6	34
375	Oxygen rearrangement of molecular ions of 3-phenylpropionates. <i>Organic Mass Spectrometry</i> , 1980, 15, 157-160.	1.3	4
376	Analysis of dipeptide mixtures by the combination of ion-pair reversed-phase high-performance liquid chromatographic and gas chromatographic-mass spectrometric techniques. <i>Journal of Chromatography A</i> , 1980, 197, 31-41.	1.8	9
377	Proteolytic activity of dipeptidyl carboxypeptidase from human lung. <i>Biochemical and Biophysical Research Communications</i> , 1980, 93, 1290-1296.	1.0	15
378	Quantitative high-performance liquid chromatography and mass spectrometry for the analysis of the in vitro metabolism of the insecticide azinphos-methyl (Guthion) by rat liver homogenates. <i>Journal of Agricultural and Food Chemistry</i> , 1980, 28, 85-88.	2.4	17

#	ARTICLE	IF	CITATIONS
379	Phthalate esters in normal and pathological human kidneys. Bulletin of Environmental Contamination and Toxicology, 1979, 22, 536-542.	1.3	26
380	Characterization of mixtures of dipeptides by gas chromatography/mass spectrometry. Analytical Biochemistry, 1978, 88, 149-161.	1.1	18
381	Synthesis of methyl α - and β -D-xylopyranoside-5-18O. Carbohydrate Research, 1976, 46, 195-200.	1.1	4
382	Mechanism of the expulsion of OH from the $[M - C_2H_4]^+$ ion from ethyl benzoate. Organic Mass Spectrometry, 1970, 3, 1333-1340.	1.3	24