

Ron M A Heeren

List of Publications by Year in descending order

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355
papers

15,073
citations

23879

60
h-index

37326

100
g-index

366
all docs

366
docs citations

366
times ranked

12340
citing authors

#	ARTICLE	IF	CITATIONS
1	On-tissue chemical derivatization in mass spectrometry imaging. <i>Mass Spectrometry Reviews</i> , 2022, 41, 662-694.	2.8	54
2	An overview of image registration for aligning mass spectrometry imaging with clinically relevant imaging modalities. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2022, 23, 26-38.	1.3	18
3	Preparing ductal epithelial organoids for high-spatial-resolution molecular profiling using mass spectrometry imaging. <i>Nature Protocols</i> , 2022, 17, 962-979.	5.5	12
4	An optimized MALDI MSI protocol for spatial detection of tryptic peptides in fresh frozen prostate tissue. <i>Proteomics</i> , 2022, 22, e2100223.	1.3	13
5	Characterization of microchannel plate detector response for the detection of native multiply charged high mass single ions in orthogonal-time-of-flight mass spectrometry using a <sc>Timepix</sc> detector. <i>Journal of Mass Spectrometry</i> , 2022, 57, e4820.	0.7	3
6	Molecular imaging of human hair with MeV-SIMS: A case study of cocaine detection and distribution in the hair of a cocaine user. <i>PLoS ONE</i> , 2022, 17, e0263338.	1.1	2
7	Automated 3D Sampling and Imaging of Uneven Sample Surfaces with LA-REIMS. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 111-122.	1.2	5
8	Combined Quantitative (Phospho)proteomics and Mass Spectrometry Imaging Reveal Temporal and Spatial Protein Changes in Human Intestinal Ischemia-Reperfusion. <i>Journal of Proteome Research</i> , 2022, 21, 49-66.	1.8	11
9	Sphingolipids control dermal fibroblast heterogeneity. <i>Science</i> , 2022, 376, eabh1623.	6.0	73
10	Multimodal molecular imaging in drug discovery and development. <i>Drug Discovery Today</i> , 2022, 27, 2086-2099.	3.2	17
11	On the Spot™ Digital Pathology of Breast Cancer Based on Single-Cell Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2022, 94, 6180-6190.	3.2	21
12	Towards real-time intraoperative tissue interrogation for REIMS-guided glioma surgery. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2022, 24, 80-89.	1.3	7
13	Evaluation of the Sensitivity of Metabolic Profiling by Rapid Evaporative Ionization Mass Spectrometry: Toward More Radical Oral Cavity Cancer Resections. <i>Analytical Chemistry</i> , 2022, 94, 6939-6947.	3.2	9
14	Isomeric lipid signatures reveal compartmentalized fatty acid metabolism in cancer. <i>Journal of Lipid Research</i> , 2022, 63, 100223.	2.0	10
15	Infrared Laser Desorption and Electrospray Ionisation of Non-Covalent Protein Complexes: Generation of Intact, Multiply Charged Species. <i>Analysis & Sensing</i> , 2021, 1, 44-47.	1.1	4
16	Real-time drug detection using a diathermic knife combined to rapid evaporative ionisation mass spectrometry. <i>Talanta</i> , 2021, 221, 121391.	2.9	6
17	Monitoring the three-dimensional distribution of endogenous species in the lungs by matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8957.	0.7	4
18	Nanomechanical sampling of material for nanoscale mass spectrometry chemical analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2747-2754.	1.9	0

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19	Diagnostic Accuracy of Biomarkers of Alcohol Use in Patients With Liver Disease: A Systematic Review. <i>Alcoholism: Clinical and Experimental Research</i> , 2021, 45, 25-37.	1.4	26
20	Experimental and Data Analysis Considerations for Three-Dimensional Mass Spectrometry Imaging in Biomedical Research. <i>Molecular Imaging and Biology</i> , 2021, 23, 149-159.	1.3	25
21	Sample preparation of bone tissue for MALDI-MSI for forensic and (pre)clinical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2683-2694.	1.9	27
22	Quantitative Mass Spectrometry Imaging to Study Drug Distribution in the Intestine Following Oral Dosing. <i>Analytical Chemistry</i> , 2021, 93, 2144-2151.	3.2	16
23	Proteomics analysis of human intestinal organoids during hypoxia and reoxygenation as a model to study ischemia-reperfusion injury. <i>Cell Death and Disease</i> , 2021, 12, 95.	2.7	22
24	Spatial differentiation of metabolism in prostate cancer tissue by MALDI-TOF MSI. <i>Cancer & Metabolism</i> , 2021, 9, 9.	2.4	62
25	Real-time lipid patterns to classify viable and necrotic liver tumors. <i>Laboratory Investigation</i> , 2021, 101, 381-395.	1.7	7
26	Mass Spectrometry Spatial-Omics on a Single Conductive Slide. <i>Analytical Chemistry</i> , 2021, 93, 2527-2533.	3.2	22
27	Mass spectrometry imaging of phosphatidylcholine metabolism in lungs administered with therapeutic surfactants and isotopic tracers. <i>Journal of Lipid Research</i> , 2021, 62, 100023.	2.0	12
28	Batch Effects in MALDI Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 628-635.	1.2	26
29	Molecular cellophane. <i>Nature Methods</i> , 2021, 18, 242-243.	9.0	0
30	Apocryphal FADS2 activity promotes fatty acid diversification in cancer. <i>Cell Reports</i> , 2021, 34, 108738.	2.9	68
31	Passivation Properties and Formation Mechanism of Amorphous Halide Perovskite Thin Films. <i>Advanced Functional Materials</i> , 2021, 31, 2010330.	7.8	17
32	Auto-aggressive CXCR6+ CD8 T cells cause liver immune pathology in NASH. <i>Nature</i> , 2021, 592, 444-449.	13.7	233
33	Quantitative mass spectrometry imaging of drugs and metabolites: a multiplatform comparison. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2779-2791.	1.9	27
34	Heterogeneity of Lipid and Protein Cartilage Profiles Associated with Human Osteoarthritis with or without Type 2 Diabetes Mellitus. <i>Journal of Proteome Research</i> , 2021, 20, 2973-2982.	1.8	5
35	Examination of lipid profiles in abdominal fascial healing using MALDI-TOF to identify potential therapeutic targets. <i>Journal of Mass Spectrometry and Advances in the Clinical Lab</i> , 2021, 20, 35-41.	1.3	1
36	Identification of a distinct lipidomic profile in the osteoarthritic synovial membrane by mass spectrometry imaging. <i>Osteoarthritis and Cartilage</i> , 2021, 29, 750-761.	0.6	15

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37	Sox9 Determines Translational Capacity During Early Chondrogenic Differentiation of ATDC5 Cells by Regulating Expression of Ribosome Biogenesis Factors and Ribosomal Proteins. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 686096.	1.8	4
38	Mass spectrometry imaging of L-[ring-13C6]-labeled phenylalanine and tyrosine kinetics in non-small cell lung carcinoma. <i>Cancer & Metabolism</i> , 2021, 9, 26.	2.4	18
39	A novel dual ionization modality source for infrared laser ablation post-ionization mass spectrometry imaging to study fungicide metabolism and transport. <i>International Journal of Mass Spectrometry</i> , 2021, 465, 116602.	0.7	5
40	Mass Spectrometry Imaging of Lipids with Isomer Resolution Using High-Pressure Ozone-Induced Dissociation. <i>Analytical Chemistry</i> , 2021, 93, 9826-9834.	3.2	47
41	Isomer-Resolved Imaging of Prostate Cancer Tissues Reveals Specific Lipid Unsaturation Profiles Associated With Lymphocytes and Abnormal Prostate Epithelia. <i>Frontiers in Endocrinology</i> , 2021, 12, 689600.	1.5	15
42	Spatially Resolved Immunometabolism to Understand Infectious Disease Progression. <i>Frontiers in Microbiology</i> , 2021, 12, 709728.	1.5	6
43	Mass Spectrometry-based Biomarkers for Knee Osteoarthritis: A Systematic Review. <i>Expert Review of Proteomics</i> , 2021, 18, 693-706.	1.3	11
44	Ion Imaging of Native Protein Complexes Using Orthogonal Time-of-Flight Mass Spectrometry and a Timepix Detector. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 569-580.	1.2	10
45	Multilabel Per-Pixel Quantitation in Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2021, 93, 1393-1400.	3.2	12
46	Machine learning for grading and prognosis of esophageal dysplasia using mass spectrometry and histological imaging. <i>Computers in Biology and Medicine</i> , 2021, 138, 104918.	3.9	12
47	Clinical importance of high-mannose, fucosylated, and complex N-glycans in breast cancer metastasis. <i>JCI Insight</i> , 2021, 6, .	2.3	42
48	Lipid Analysis of Fracture Hematoma With MALDI-MSI: Specific Lipids are Associated to Bone Fracture Healing Over Time. <i>Frontiers in Chemistry</i> , 2021, 9, 780626.	1.8	1
49	Cellular resolution in clinical MALDI mass spectrometry imaging: the latest advancements and current challenges. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 914-929.	1.4	84
50	Spatially resolved proteomics in osteoarthritis: State of the art and new perspectives. <i>Journal of Proteomics</i> , 2020, 215, 103637.	1.2	7
51	Evaluation of lipid coverage and high spatial resolution MALDI-imaging capabilities of oversampling combined with laser post-ionisation. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 2277-2289.	1.9	84
52	LipostarMSI: Comprehensive, Vendor-Neutral Software for Visualization, Data Analysis, and Automated Molecular Identification in Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 155-163.	1.2	57
53	Glutamine deprivation counteracts hypoxia-induced chemoresistance. <i>Neoplasia</i> , 2020, 22, 22-32.	2.3	19
54	Dynamics of Molecules Observed at Crude-Oil-Gas Interfaces by Time-of-Flight Secondary Ion Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2356-2361.	1.2	2

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55	Morphometric Cell Classification for Single-Cell MALDI-Mass Spectrometry Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 17447-17450.	7.2	47
56	Morphometric Cell Classification for Single-Cell MALDI-Mass Spectrometry Imaging. <i>Angewandte Chemie</i> , 2020, 132, 17600-17603.	1.6	11
57	Stromal vapors for real-time molecular guidance of breast-conserving surgery. <i>Scientific Reports</i> , 2020, 10, 20109.	1.6	12
58	MS Imaging-Guided Microproteomics for Spatial Omics on a Single Instrument. <i>Proteomics</i> , 2020, 20, e1900369.	1.3	25
59	Atheroma-Specific Lipids in <i>ldl</i> ^{−/−} and <i>apoe</i> ^{−/−} Mice Using 2D and 3D Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1825-1832.	1.2	13
60	Investigating sex determination through MALDI MS analysis of peptides and proteins in natural fingermarks through comprehensive statistical modelling. <i>Forensic Chemistry</i> , 2020, 20, 100271.	1.7	15
61	Spatial Localization of Vitamin D Metabolites in Mouse Kidney by Mass Spectrometry Imaging. <i>ACS Omega</i> , 2020, 5, 13430-13437.	1.6	25
62	INSPIRE: A European training network to foster research and training in cardiovascular safety pharmacology. <i>Journal of Pharmacological and Toxicological Methods</i> , 2020, 105, 106889.	0.3	4
63	Ultra-High Mass Resolving Power, Mass Accuracy, and Dynamic Range MALDI Mass Spectrometry Imaging by 21-T FT-ICR MS. <i>Analytical Chemistry</i> , 2020, 92, 3133-3142.	3.2	71
64	Simultaneous Detection of Zinc and Its Pathway Metabolites Using MALDI MS Imaging of Prostate Tissue. <i>Analytical Chemistry</i> , 2020, 92, 3171-3179.	3.2	32
65	Integrative Metabolic Pathway Analysis Reveals Novel Therapeutic Targets in Osteoarthritis. <i>Molecular and Cellular Proteomics</i> , 2020, 19, 574-588.	2.5	12
66	Clinical use of mass spectrometry (imaging) for hard tissue analysis in abnormal fracture healing. <i>Clinical Chemistry and Laboratory Medicine</i> , 2020, 58, 897-913.	1.4	4
67	OP0240...A MULTIMODAL MASS SPECTROMETRY APPROACH REVEALS SPECIFIC CARTILAGE MOLECULAR PROFILES ASSOCIATED TO TYPE 2 DIABETIC PATIENTS. <i>Annals of the Rheumatic Diseases</i> , 2020, 79, 151.2-152.	0.5	1
68	Advances in mass spectrometry imaging enabling observation of localised lipid biochemistry within tissues. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 120, 115197.	5.8	51
69	Spatially resolved endogenous improved metabolite detection in human osteoarthritis cartilage by matrix assisted laser desorption ionization mass spectrometry imaging. <i>Analyst</i> , The, 2019, 144, 5953-5958.	1.7	12
70	Ion mobility spectrometry combined with multivariate statistical analysis: revealing the effects of a drug candidate for Alzheimer's disease on A β 1-40 peptide early assembly. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6353-6363.	1.9	9
71	MALDI-Mass Spectrometry Imaging to Investigate Lipid and Bile Acid Modifications Caused by Lentil Extract Used as a Potential Hypocholesterolemic Treatment. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2041-2050.	1.2	22
72	Cancer Detection in Mass Spectrometry Imaging Data by Recurrent Neural Networks. , 2019, , .		2

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73	Enhanced Sensitivity Using MALDI Imaging Coupled with Laser Postionization (MALDI-2) for Pharmaceutical Research. <i>Analytical Chemistry</i> , 2019, 91, 10840-10848.	3.2	67
74	Precise co-registration of mass spectrometry imaging, histology, and laser microdissection-based omics. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 5647-5653.	1.9	35
75	Tissue classification by rapid evaporative ionization mass spectrometry (REIMS): comparison between a diathermic knife and CO2 laser sampling on classification performance. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7943-7955.	1.9	29
76	Class-specific depletion of lipid ion signals in tissues upon formalin fixation. <i>International Journal of Mass Spectrometry</i> , 2019, 446, 116212.	0.7	23
77	Deciphering Metabolic Heterogeneity by Single-Cell Analysis. <i>Analytical Chemistry</i> , 2019, 91, 13314-13323.	3.2	87
78	Development and evaluation of matrix application techniques for high throughput mass spectrometry imaging of tissues in the clinic. <i>Clinical Mass Spectrometry</i> , 2019, 12, 7-15.	1.9	38
79	Rapid Identification of Ischemic Injury in Renal Tissue by Mass-Spectrometry Imaging. <i>Analytical Chemistry</i> , 2019, 91, 3575-3581.	3.2	27
80	Increased throughput and ultra-high mass resolution in DESI FT-ICR MS imaging through new-generation external data acquisition system and advanced data processing approaches. <i>Scientific Reports</i> , 2019, 9, 8.	1.6	69
81	Osteoarthritic mesenchymal stem cells undergoing chondrogenesis have altered the glucuronic acid synthesis pathway. <i>Osteoarthritis and Cartilage</i> , 2019, 27, S60-S61.	0.6	1
82	Stigmatic imaging of secondary ions in MeV-SIMS spectrometry by linear Time-of-Flight mass spectrometer and the TimePix detector. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 452, 1-6.	0.6	5
83	The importance of clinical tissue imaging. <i>Clinical Mass Spectrometry</i> , 2019, 12, 47-49.	1.9	6
84	Protection of the Ovine Fetal Gut against Ureaplasma-Induced Chorioamnionitis: A Potential Role for Plant Sterols. <i>Nutrients</i> , 2019, 11, 968.	1.7	9
85	A patch-based super resolution algorithm for improving image resolution in clinical mass spectrometry. <i>Scientific Reports</i> , 2019, 9, 2915.	1.6	14
86	Trends in mass spectrometry imaging for cardiovascular diseases. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 3709-3720.	1.9	30
87	Distinguishing core from penumbra by lipid profiles using Mass Spectrometry Imaging in a transgenic mouse model of ischemic stroke. <i>Scientific Reports</i> , 2019, 9, 1090.	1.6	18
88	Three-Dimensional Mass Spectrometry Imaging Identifies Lipid Markers of Medulloblastoma Metastasis. <i>Scientific Reports</i> , 2019, 9, 2205.	1.6	57
89	OP0078...LINKING LIPID MARKERS TO SYNOVIAL HYPERPLASIA AND VASCULARIZATION IN OSTEOARTHRITIS BY MALDI-MSI. , 2019, , .		0
90	Imaging Isomers on a Biological Surface: A Review. <i>Mass Spectrometry</i> , 2019, 8, A0078-A0078.	0.2	4

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91	A concise tutorial review of TOF-SIMS based molecular and cellular imaging. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 2217-2228.	1.6	56
92	Maintenance of Deep Lung Architecture and Automated Airway Segmentation for 3D Mass Spectrometry Imaging. <i>Scientific Reports</i> , 2019, 9, 20160.	1.6	10
93	Faster raster matrix-assisted laser desorption/ionization mass spectrometry imaging of lipids at high lateral resolution. <i>International Journal of Mass Spectrometry</i> , 2019, 437, 38-48.	0.7	36
94	Integrative Clustering in Mass Spectrometry Imaging for Enhanced Patient Stratification. <i>Proteomics - Clinical Applications</i> , 2019, 13, e1800137.	0.8	8
95	Strategies for managing multi-patient 3D mass spectrometry imaging data. <i>Journal of Proteomics</i> , 2019, 193, 184-191.	1.2	19
96	Recent Technological Developments in MALDI-MSI Based Hair Analysis. <i>Advanced Sciences and Technologies for Security Applications</i> , 2019, , 133-149.	0.4	1
97	Tumor classification with MALDI-MSI data of tissue microarrays: A case study. <i>Methods</i> , 2018, 151, 21-27.	1.9	39
98	Simultaneous lipidomic and transcriptomic profiling in mouse brain punches of acute epileptic seizure model compared to controls. <i>Journal of Lipid Research</i> , 2018, 59, 283-297.	2.0	29
99	Solvent effects on differentiation of mouse brain tissue using laser microdissection <i>â€ˆ</i> cut and drop ^{â€™} sampling with direct mass spectral analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 414-422.	0.7	11
100	Specific metabolic association between osteoarthritis and type 2 diabetes revealed by mass spectrometry imaging. <i>Osteoarthritis and Cartilage</i> , 2018, 26, S166.	0.6	0
101	Spatial Systems Lipidomics Reveals Nonalcoholic Fatty Liver Disease Heterogeneity. <i>Analytical Chemistry</i> , 2018, 90, 5130-5138.	3.2	44
102	Specific Lipid and Metabolic Profiles of R-CHOP-Resistant Diffuse Large B-Cell Lymphoma Elucidated by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging and in Vivo Imaging. <i>Analytical Chemistry</i> , 2018, 90, 14198-14206.	3.2	26
103	Understanding Detrimental and Beneficial Grain Boundary Effects in Halide Perovskites. <i>Advanced Materials</i> , 2018, 30, e1804792.	11.1	128
104	Targeted Drug and Metabolite Imaging: Desorption Electrospray Ionization Combined with Triple Quadrupole Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 13229-13235.	3.2	37
105	Cross-Species Molecular Imaging of Bile Salts and Lipids in Liver: Identification of Molecular Structural Markers in Health and Disease. <i>Analytical Chemistry</i> , 2018, 90, 11835-11846.	3.2	22
106	Automated, parallel mass spectrometry imaging and structural identification of lipids. <i>Nature Methods</i> , 2018, 15, 515-518.	9.0	158
107	Mass Spectrometry Imaging with Isomeric Resolution Enabled by Ozone ^{â€™} Induced Dissociation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10530-10534.	7.2	143
108	Mass Spectrometry Imaging with Isomeric Resolution Enabled by Ozone ^{â€™} Induced Dissociation. <i>Angewandte Chemie</i> , 2018, 130, 10690-10694.	1.6	28

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109	Round robin study of formalin-fixed paraffin-embedded tissues in mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2018, 410, 5969-5980.	1.9	39
110	MALDI-MSI analysis revealed an increment of lipid candidate biomarkers in oa synovium. <i>Osteoarthritis and Cartilage</i> , 2018, 26, S41-S42.	0.6	1
111	Digestion-Free Analysis of Peptides from 30-year-old Formalin-Fixed, Paraffin-Embedded Tissue by Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2018, 90, 9272-9280.	3.2	30
112	NF- κ B-mediated metabolic remodelling in the inflamed heart in acute viral myocarditis. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2579-2589.	1.8	27
113	Evaluation of Thin-Layer Chromatography-Laser Desorption Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometric Imaging for Visualization of Crude Oil Interactions. <i>Energy & Fuels</i> , 2018, 32, 7347-7357.	2.5	6
114	Identification and High-Resolution Imaging of α -Tocopherol from Human Cells to Whole Animals by TOF-SIMS Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1571-1581.	1.2	17
115	Ion mobility spectrometry reveals intermediate states in temperature-resolved DNA unfolding. <i>International Journal of Mass Spectrometry</i> , 2017, 419, 52-55.	0.7	8
116	Mass Spectrometry Imaging for the Investigation of Intratumor Heterogeneity. <i>Advances in Cancer Research</i> , 2017, 134, 201-230.	1.9	23
117	Detection of Localized Hepatocellular Amino Acid Kinetics by using Mass Spectrometry Imaging of Stable Isotopes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7146-7150.	7.2	34
118	Efficient Functionalization of Additives at Supramolecular Material Surfaces. <i>Advanced Materials</i> , 2017, 29, 1604652.	11.1	27
119	Design and Performance of a Novel Interface for Combined Matrix-Assisted Laser Desorption Ionization at Elevated Pressure and Electrospray Ionization with Orbitrap Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 7493-7501.	3.2	65
120	Laser post-ionisation combined with a high resolving power orbitrap mass spectrometer for enhanced MALDI-MS imaging of lipids. <i>Chemical Communications</i> , 2017, 53, 7246-7249.	2.2	79
121	Mass Spectrometry Imaging of Drugs of Abuse in Hair. <i>Methods in Molecular Biology</i> , 2017, 1618, 137-147.	0.4	16
122	ToF-SIMS Parallel Imaging MS/MS of Lipid Species in Thin Tissue Sections. <i>Methods in Molecular Biology</i> , 2017, 1618, 165-173.	0.4	10
123	The Composition of Poly(Ethylene Terephthalate) (PET) Surface Precipitates Determined at High Resolving Power by Tandem Mass Spectrometry Imaging. <i>Microscopy and Microanalysis</i> , 2017, 23, 843-848.	0.2	11
124	Detection of Localized Hepatocellular Amino Acid Kinetics by using Mass Spectrometry Imaging of Stable Isotopes. <i>Angewandte Chemie</i> , 2017, 129, 7252-7256.	1.6	3
125	Mass spectrometry imaging for clinical research - latest developments, applications, and current limitations. <i>Analyst</i> , The, 2017, 142, 2690-2712.	1.7	162
126	The Paradoxical Effects of Chronic Intra-Amniotic <i>Ureaplasma parvum</i> Exposure on Ovine Fetal Brain Development. <i>Developmental Neuroscience</i> , 2017, 39, 472-486.	1.0	22

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127	Integration of Ion Mobility MS ^E after Fully Automated, Online, High-Resolution Liquid Extraction Surface Analysis Micro-Liquid Chromatography. <i>Analytical Chemistry</i> , 2017, 89, 11143-11150.	3.2	29
128	Combining Time-of-Flight Secondary Ion Mass Spectrometry Imaging Mass Spectrometry and CARS Microspectroscopy Reveals Lipid Patterns Reminiscent of Gene Expression Patterns in the Wing Imaginal Disc of <i>Drosophila melanogaster</i> . <i>Analytical Chemistry</i> , 2017, 89, 9664-9670.	3.2	11
129	Oxygen-Dependent Lipid Profiles of Three-Dimensional Cultured Human Chondrocytes Revealed by MALDI-MSI. <i>Analytical Chemistry</i> , 2017, 89, 9438-9444.	3.2	16
130	Sequencing and Identification of Endogenous Neuropeptides with Matrix-Enhanced Secondary Ion Mass Spectrometry Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 8223-8227.	3.2	33
131	Visualizing molecular distributions for biomaterials applications with mass spectrometry imaging: a review. <i>Journal of Materials Chemistry B</i> , 2017, 5, 7444-7460.	2.9	21
132	Optimization of Sample Preparation and Instrumental Parameters for the Rapid Analysis of Drugs of Abuse in Hair samples by MALDI-MS/MS Imaging. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2462-2468.	1.2	25
133	Host-based lipid inflammation drives pathogenesis in <i>Francisella</i> infection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 12596-12601.	3.3	33
134	MALDI Techniques in Mass Spectrometry Imaging. , 2017, , 711-718.		0
135	Mass Spectrometry Imaging in Nanomedicine: Unraveling the Potential of MSI for the Detection of Nanoparticles in Neuroscience. <i>Current Pharmaceutical Design</i> , 2017, 23, 1974-1984.	0.9	9
136	An ambient detection system for visualization of charged particles generated with ionization methods at atmospheric pressure. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 352-358.	0.7	2
137	Parallel imaging MS/MS TOF-SIMS instrument. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2016, 34, .	0.6	14
138	More from less: high-throughput dual polarity lipid imaging of biological tissues. <i>Analyst, The</i> , 2016, 141, 3832-3841.	1.7	38
139	mTOR Inhibition remodels extracellular matrix components of human osteoarthritic cartilage. <i>Osteoarthritis and Cartilage</i> , 2016, 24, S457-S458.	0.6	0
140	Enhanced capabilities for imaging gangliosides in murine brain with matrix-assisted laser desorption/ionization and desorption electrospray ionization mass spectrometry coupled to ion mobility separation. <i>Methods</i> , 2016, 104, 69-78.	1.9	70
141	Spatial Autocorrelation in Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2016, 88, 5871-5878.	3.2	29
142	A New Method and Mass Spectrometer Design for TOF-SIMS Parallel Imaging MS/MS. <i>Analytical Chemistry</i> , 2016, 88, 6433-6440.	3.2	98
143	The Impact of N-terminal Acetylation of Î±-Synuclein on Phospholipid Membrane Binding and Fibril Structure. <i>Journal of Biological Chemistry</i> , 2016, 291, 21110-21122.	1.6	81
144	Norharmaline matrix enhances detection of endotoxin by MALDI-MS for simultaneous profiling of pathogen, host and vector systems. <i>Pathogens and Disease</i> , 2016, 74, .	0.8	41

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145	Multimodal Spectroscopic Study of Amyloid Fibril Polymorphism. <i>Journal of Physical Chemistry B</i> , 2016, 120, 8809-8817.	1.2	30
146	Derivatization Strategies for the Detection of Triamcinolone Acetonide in Cartilage by Using Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2016, 88, 12051-12059.	3.2	73
147	Direct Analysis and Quantification of Metaldehyde in Water using Reactive Paper Spray Mass Spectrometry. <i>Scientific Reports</i> , 2016, 6, 35643.	1.6	31
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