

Klaus Dreisewerd

List of Publications by Year in descending order

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109
papers

5,967
citations

61945

43
h-index

79644

73
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112
all docs

112
docs citations

112
times ranked

4087
citing authors

#	ARTICLE	IF	CITATIONS
1	The Desorption Process in MALDI. <i>Chemical Reviews</i> , 2003, 103, 395-426.	23.0	624
2	Mass spectrometry imaging with laser-induced postionization. <i>Science</i> , 2015, 348, 211-215.	6.0	268
3	Influence of the laser intensity and spot size on the desorption of molecules and ions in matrix-assisted laser desorption/ionization with a uniform beam profile. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1995, 141, 127-148.	1.9	264
4	Transmission-mode MALDI-2 mass spectrometry imaging of cells and tissues at subcellular resolution. <i>Nature Methods</i> , 2019, 16, 925-931.	9.0	239
5	Laser Desorption/Ionization Mass Spectrometry of Peptides and Proteins with Particle Suspension Matrixes. <i>Analytical Chemistry</i> , 1999, 71, 221-229.	3.2	185
6	A New Male Sex Pheromone and Novel Cuticular Cues for Chemical Communication in <i>Drosophila</i> . <i>Current Biology</i> , 2009, 19, 1245-1254.	1.8	156
7	An On-Tissue Patern ² Reaction for Localization of Carbon-Carbon Double Bonds in Phospholipids and Glycolipids by Matrix-Assisted Laser Desorption-Ionization Mass Spectrometry Imaging. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 12092-12096.	7.2	133
8	Is the incorporation of analytes into matrix crystals a prerequisite for matrix-assisted laser desorption/ionization mass spectrometry? A study of five positional isomers of dihydroxybenzoic acid. <i>International Journal of Mass Spectrometry</i> , 1999, 185-187, 859-870.	0.7	132
9	Analysis of Gangliosides Directly from Thin-Layer Chromatography Plates by Infrared Matrix-Assisted Laser Desorption/Ionization Orthogonal Time-of-Flight Mass Spectrometry with a Glycerol Matrix. <i>Analytical Chemistry</i> , 2005, 77, 4098-4107.	3.2	127
10	Fundamentals of matrix-assisted laser desorption/ionization mass spectrometry with pulsed infrared lasers. <i>International Journal of Mass Spectrometry</i> , 2003, 226, 189-209.	0.7	108
11	Direct Mass Spectrometric Peptide Profiling and Sequencing of Single Neurons Reveals Differential Peptide Patterns in a Small Neuronal Network. <i>Biochemistry</i> , 1998, 37, 2070-2076.	1.2	105
12	Recent methodological advances in MALDI mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 2261-2278.	1.9	104
13	Pheromonal and Behavioral Cues Trigger Male-to-Female Aggression in <i>Drosophila</i> . <i>PLoS Biology</i> , 2010, 8, e1000541.	2.6	90
14	Gas-phase cationization and protonation of neutrals generated by matrix-assisted laser desorption. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 393-398.	1.2	89
15	IR-MALDI-MS Analysis of HPTLC-Separated Phospholipid Mixtures Directly from the TLC Plate. <i>Analytical Chemistry</i> , 2007, 79, 5793-5808.	3.2	88
16	Aging modulates cuticular hydrocarbons and sexual attractiveness in <i>Drosophila melanogaster</i> . <i>Journal of Experimental Biology</i> , 2012, 215, 814-821.	0.8	88
17	Mechanisms of energy deposition in infrared matrix-assisted laser desorption/ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2001, 207, 73-96.	0.7	86
18	MALDI-2 on a Trapped Ion Mobility Quadrupole Time-of-Flight Instrument for Rapid Mass Spectrometry Imaging and Ion Mobility Separation of Complex Lipid Profiles. <i>Analytical Chemistry</i> , 2020, 92, 8697-8703.	3.2	84

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19	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
20	Ion Yields in UV-MALDI Mass Spectrometry As a Function of Excitation Laser Wavelength and Optical and Physico-Chemical Properties of Classical and Halogen-Substituted MALDI Matrixes. <i>Analytical Chemistry</i> , 2012, 84, 6567-6576.	3.2	75
21	Insulin Signaling Mediates Sexual Attractiveness in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2012, 8, e1002684.	1.5	73
22	Dietary Effects on Cuticular Hydrocarbons and Sexual Attractiveness in <i>Drosophila</i> . <i>PLoS ONE</i> , 2012, 7, e49799.	1.1	73
23	MALDI Mass Spectrometry Imaging of Bioactive Lipids in Mouse Brain with a Synapt G2-S Mass Spectrometer Operated at Elevated Pressure: Improving the Analytical Sensitivity and the Lateral Resolution to Ten Micrometers. <i>Analytical Chemistry</i> , 2014, 86, 7798-7805.	3.2	71
24	Shiga Toxin Receptor Gb3Cer/CD77: Tumor-Association and Promising Therapeutic Target in Pancreas and Colon Cancer. <i>PLoS ONE</i> , 2009, 4, e6813.	1.1	70
25	Matrix-assisted laser desorption/ionization with nitrogen lasers of different pulse widths. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1996, 154, 171-178.	1.9	69
26	Matching IR-MALDI-o-TOF Mass Spectrometry with the TLC Overlay Binding Assay and Its Clinical Application for Tracing Tumor-Associated Glycosphingolipids in Hepatocellular and Pancreatic Cancer. <i>Analytical Chemistry</i> , 2008, 80, 1835-1846.	3.2	67
27	Liquid AP-UV-MALDI Enables Stable Ion Yields of Multiply Charged Peptide and Protein Ions for Sensitive Analysis by Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 2364-2367.	7.2	63
28	Pattern changes of pituitary peptides in rat after salt-loading as detected by means of direct, semiquantitative mass spectrometric profiling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 9481-9486.	3.3	62
29	The influence of laser fluence on ion yield in matrix-assisted laser desorption ionization mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2002, 221, 67-81.	0.7	62
30	Cluster formation in UV laser ablation plumes of ZnSe and ZnO studied by time-of-flight mass spectrometry. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 78, 641-644.	1.1	62
31	Analysis of native milk oligosaccharides directly from thin-layer chromatography plates by matrix-assisted laser desorption/ionization orthogonal-time-of-flight mass spectrometry with a glycerol matrix. <i>Journal of the American Society for Mass Spectrometry</i> , 2006, 17, 139-150.	1.2	62
32	Separation and Identification of Peptides in Single Neurons by Microcolumn Liquid Chromatography-Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Postsource Decay Analysis. <i>Analytical Chemistry</i> , 1998, 70, 1847-1852.	3.2	60
33	Shiga toxin glycosphingolipid receptors in microvascular and macrovascular endothelial cells: differential association with membrane lipid raft microdomains. <i>Journal of Lipid Research</i> , 2011, 52, 618-634.	2.0	60
34	Measurements of mean initial velocities of analyte and matrix ions in infrared matrix-assisted laser desorption ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 209-220.	1.2	59
35	MALDI-2 for the Enhanced Analysis of N-Linked Glycans by Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2020, 92, 13904-13911.	3.2	56
36	Investigations of 2,5-DHB and succinic acid as matrices for IR and UV MALDI. Part: I UV and IR laser ablation in the MALDI process. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 169-170, 31-41.	1.9	54

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37	The role of the laser pulse duration in infrared matrix-assisted laser desorption/ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2002, 13, 975-984.	1.2	53
38	Photoacoustic Analysis of Matrix-Assisted Laser Desorption/Ionization Processes with Pulsed Infrared Lasers. <i>Journal of Physical Chemistry B</i> , 2003, 107, 12275-12286.	1.2	53
39	Influence of the laser fluence in infrared matrix-assisted laser desorption/ionization with a 2.94 μm Er : YAG laser and a flat-top beam profile. <i>Journal of Mass Spectrometry</i> , 2000, 35, 1320-1328.	0.7	51
40	Imaging by Elemental and Molecular Mass Spectrometry Reveals the Uptake of an Arsenolipid in the Brain of <i>Drosophila melanogaster</i> . <i>Analytical Chemistry</i> , 2016, 88, 5258-5263.	3.2	51
41	Analysis of <i>Drosophila</i> Lipids by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Imaging. <i>Analytical Chemistry</i> , 2014, 86, 11086-11092.	3.2	50
42	Direct Coupling of High-Performance Thin-Layer Chromatography with UV Spectroscopy and IR-MALDI Orthogonal TOF MS for the Analysis of Cyanobacterial Toxins. <i>Analytical Chemistry</i> , 2009, 81, 3858-3866.	3.2	47
43	Infrared Matrix-Assisted Laser Desorption/Ionization Orthogonal-Time-of-Flight Mass Spectrometry Employing a Cooling Stage and Water Ice As a Matrix. <i>Analytical Chemistry</i> , 2012, 84, 5669-5676.	3.2	43
44	Time-Resolved Imaging of the Plume Dynamics in Infrared Matrix-Assisted Laser Desorption/Ionization with a Glycerol Matrix. <i>Journal of Physical Chemistry B</i> , 2005, 109, 11661-11666.	1.2	41
45	Male-Specific Transfer and Fine Scale Spatial Differences of Newly Identified Cuticular Hydrocarbons and Triacylglycerides in a <i>Drosophila</i> Species Pair. <i>PLoS ONE</i> , 2011, 6, e16898.	1.1	41
46	Generation of Highly Charged Peptide and Protein Ions by Atmospheric Pressure Matrix-Assisted Infrared Laser Desorption/Ionization Ion Trap Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 5484-5488.	3.2	40
47	Matrix-assisted Laser Desorption/Ionization in Transmission Geometry: Instrumental Implementation and Mechanistic Implications. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1873-1880.	0.7	39
48	Effect of Gas Pressure and Gas Type on the Fragmentation of Peptide and Oligosaccharide Ions Generated in an Elevated Pressure UV/IR-MALDI Ion Source Coupled to an Orthogonal Time-of-Flight Mass Spectrometer. <i>Analytical Chemistry</i> , 2009, 81, 2921-2934.	3.2	39
49	On-Tissue Phospholipase C Digestion for Enhanced MALDI-MS Imaging of Neutral Glycosphingolipids. <i>Analytical Chemistry</i> , 2016, 88, 5595-5599.	3.2	38
50	Pleiotropic Effects of ebony and tan on Pigmentation and Cuticular Hydrocarbon Composition in <i>Drosophila melanogaster</i> . <i>Frontiers in Physiology</i> , 2019, 10, 518.	1.3	38
51	Ozonization of Tissue Sections for MALDI MS Imaging of Carbon-13 Carbon Double Bond Positional Isomers of Phospholipids. <i>Analytical Chemistry</i> , 2020, 92, 6245-6250.	3.2	37
52	Influence of the Laser Spot Size, Focal Beam Profile, and Tissue Type on the Lipid Signals Obtained by MALDI-MS Imaging in Oversampling Mode. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1952-1964.	1.2	36
53	Structural Profiling of Individual Glycosphingolipids in a Single Thin-Layer Chromatogram by Multiple Sequential Immunodetection Matched with Direct IR-MALDI-o-TOF Mass Spectrometry. <i>Analytical Chemistry</i> , 2009, 81, 9481-9492.	3.2	33
54	Matching the laser wavelength to the absorption properties of matrices increases the ion yield in UV-MALDI mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 6925-6932.	1.9	33

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55	A sialylation study of mouse brain gangliosides by MALDI α -TOF and α -TOF mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2008, 43, 716-725.	0.7	32
56	Molecular Profiling of Native and Matrix-Coated Tissue Slices from Rat Brain by Infrared and Ultraviolet Laser Desorption/Ionization Orthogonal Time-of-Flight Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 2463-2471.	3.2	31
57	Investigation of the Desorption Process in UV Matrix-Assisted Laser Desorption/Ionization with a Liquid 3-Nitrobenzyl Alcohol Matrix by Photoacoustic Analysis, Fast-Flash Imaging, and UV-Laser Postionization. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5367-5381.	1.5	31
58	Direct Laser Desorption Ionization of Endogenous and Exogenous Compounds from Insect Cuticles: Practical and Methodologic Aspects. <i>Journal of the American Society for Mass Spectrometry</i> , 2011, 22, 1273-84.	1.2	31
59	MALDI-2 Mass Spectrometry and Immunohistochemistry Imaging of Gb3Cer, Gb4Cer, and Further Glycosphingolipids in Human Colorectal Cancer Tissue. <i>Analytical Chemistry</i> , 2020, 92, 7096-7105.	3.2	31
60	New Insights into the Glycosylation of the Surface Layer Protein SgsE from <i>Geobacillus stearothermophilus</i> NRS 2004/3a. <i>Journal of Bacteriology</i> , 2006, 188, 7914-7921.	1.0	30
61	Differences in CD75s- and iso-CD75s-ganglioside content and altered mRNA expression of sialyltransferases ST6GAL1 and ST3GAL6 in human hepatocellular carcinomas and nontumoral liver tissues. <i>Glycobiology</i> , 2011, 21, 584-594.	1.3	30
62	Color Matters – Material Ejection and Ion Yields in UV-MALDI Mass Spectrometry as a Function of Laser Wavelength and Laser Fluence. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1477-1488.	1.2	30
63	Molecular Analysis of Native Tissue and Whole Oils by Infrared Laser Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 4514-4520.	3.2	29
64	3D ToF-SIMS Analysis of Peptide Incorporation into MALDI Matrix Crystals with Sub-micrometer Resolution. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 277-284.	1.2	29
65	Transmission-Mode MALDI Mass Spectrometry Imaging of Single Cells: Optimizing Sample Preparation Protocols. <i>Analytical Chemistry</i> , 2021, 93, 4513-4520.	3.2	29
66	Tumor-associated CD75s- and iso-CD75s-gangliosides are potential targets for adjuvant therapy in pancreatic cancer. <i>Molecular Cancer Therapeutics</i> , 2008, 7, 2464-2475.	1.9	28
67	New Insights into the Wavelength Dependence of MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2017, 89, 7734-7741.	3.2	28
68	Structural Elucidation of a Peptide from a Single Neuron by Matrix-Assisted Laser Desorption/Ionization Employing a Tandem Double-Focusing Magnetic-Orthogonal Acceleration Time-of-Flight Mass Spectrometer. <i>Analytical Chemistry</i> , 1997, 69, 563-565.	3.2	27
69	Influence of the sample temperature on the desorption of matrix molecules and ions in matrix-assisted laser desorption ionization. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1998, 172, 89-94.	1.9	27
70	Cyanogen Bromide Peptides of the Fibrillar Collagens I, III, and V and Their Mass Spectrometric Characterization: α % Detection of Linear Peptides, Peptide Glycosylation, and Cross-Linking Peptides Involved in Formation of Homo- and Heterotypic Fibrils. <i>Journal of Proteome Research</i> , 2007, 6, 4269-4289.	1.8	27
71	Rapid metabolic profiling of <i>Nicotiana tabacum</i> defence responses against <i>Phytophthora nicotianae</i> using direct infrared laser desorption ionization mass spectrometry and principal component analysis. <i>Plant Methods</i> , 2010, 6, 14.	1.9	27
72	Advanced Methods for MALDI-MS Imaging of the Chemical Communication in Microbial Communities. <i>Analytical Chemistry</i> , 2019, 91, 15081-15089.	3.2	27

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73	Characterization of Whole Fibril-Forming Collagen Proteins of Types I, III, and V from Fetal Calf Skin by Infrared Matrix-Assisted Laser Desorption Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2004, 76, 3482-3491.	3.2	26
74	Discrimination of Isobaric Leucine and Isoleucine Residues and Analysis of Post-Translational Modifications in Peptides by MALDI In-Source Decay Mass Spectrometry Combined with Collisional Cooling. <i>Analytical Chemistry</i> , 2010, 82, 5628-5635.	3.2	25
75	A binary matrix of 2,5-dihydroxybenzoic acid and glycerol produces homogenous sample preparations for matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 59-66.	0.7	24
76	Mass spectrometry imaging to explore molecular heterogeneity in cell culture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	3.3	24
77	Direct mass spectrometric peptide profiling and sequencing of nervous tissues to identify peptides involved in male copulatory behavior in <i>Lymnaea stagnalis</i> . <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1997, 169-170, 291-299.	1.9	23
78	Normal silica gel and reversed phase thin-layer chromatography coupled with UV spectroscopy and IR-MALDI-o-TOF-MS for the detection of tetracycline antibiotics. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 398, 2821-2831.	1.9	22
79	Mass spectrometry imaging goes three dimensional. <i>Nature Methods</i> , 2017, 14, 1139-1140.	9.0	22
80	Molecular insights into symbiosis mapping sterols in a marine flatworm-algae-system using high spatial resolution MALDI-2-MS imaging with ion mobility separation. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 2767-2777.	1.9	22
81	Application of thin-layer chromatography/infrared matrix-assisted laser desorption/ionization orthogonal time-of-flight mass spectrometry to structural analysis of bacteria-binding glycosphingolipids selected by affinity detection. <i>Rapid Communications in Mass Spectrometry</i> , 2010, 24, 1032-1038.	0.7	21
82	An On-Tissue Patern ² chi Reaction for Localization of Carbon-Carbon Double Bonds in Phospholipids and Glycolipids by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry Imaging. <i>Angewandte Chemie</i> , 2018, 130, 12268-12272.	1.6	21
83	Detailed Characterization of the Postionization Efficiencies in MALDI-2 as a Function of Relevant Input Parameters. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1844-1853.	1.2	21
84	Progress in Detection and Structural Characterization of Glycosphingolipids in Crude Lipid Extracts by Enzymatic Phospholipid Disintegration Combined with Thin-Layer Chromatography Immunodetection and IR-MALDI Mass Spectrometry. <i>Analytical Chemistry</i> , 2014, 86, 1215-1222.	3.2	20
85	Enterohaemorrhagic <i>Escherichia coli</i> haemolysin is cleaved and inactivated by serine protease EspP _± . <i>Environmental Microbiology</i> , 2011, 13, 1327-1341.	1.8	19
86	Analysis of Free Fatty Acids by Ultraviolet Laser Desorption Ionization Mass Spectrometry Using Insect Wings as Hydrophobic Sample Substrates. <i>Analytical Chemistry</i> , 2014, 86, 10763-10771.	3.2	19
87	Analysis of Noncovalent Chitinase-Chito-Oligosaccharide Complexes by Infrared-Matrix Assisted Laser Desorption Ionization and Nanoelectrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2011, 83, 4030-4036.	3.2	16
88	Mass Spectrometry Imaging Techniques Enabling Visualization of Lipid Isomers in Biological Tissues. <i>Analytical Chemistry</i> , 2022, 94, 4889-4900.	3.2	16
89	Laser desorption/ionization mass spectrometry of lipids using etched silver substrates. <i>Methods</i> , 2016, 104, 194-203.	1.9	15
90	Generation of multiply charged peptides and proteins from glycerol-based matrices using lasers with ultraviolet, visible and near-infrared wavelengths and an atmospheric pressure ion source. <i>International Journal of Mass Spectrometry</i> , 2017, 416, 61-70.	0.7	14

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91	Detection of very long-chain hydrocarbons by laser mass spectrometry reveals novel species-, sex-, and age-dependent differences in the cuticular profiles of three <i>Nasonia</i> species. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 2981-2993.	1.9	14
92	Intracellular Degradation of C-Peptides in Molluscan Neurons Producing Insulin-Related Hormones. <i>Peptides</i> , 1997, 18, 765-770.	1.2	13
93	Infrared MALDI Mass Spectrometry with Laser-Induced Postionization for Imaging of Bacterial Colonies. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 1053-1064.	1.2	13
94	A New Mint1 Isoform, but Not the Conventional Mint1, Interacts with the Small GTPase Rab6. <i>PLoS ONE</i> , 2013, 8, e64149.	1.1	12
95	Single-Photon-Induced Postionization to Boost Ion Yields in MALDI Mass Spectrometry Imaging**. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	12
96	Field-based ion generation from microscale emitters on natural and artificial objects for atmospheric pressure mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 3311-3316.	1.9	10
97	Water Ice is a Soft Matrix for the Structural Characterization of Glycosaminoglycans by Infrared Matrix-Assisted Laser Desorption/Ionization. <i>Analytical Chemistry</i> , 2014, 86, 6439-6446.	3.2	10
98	MALDI-2 and t-MALDI-2 Mass Spectrometry Imaging. <i>Methods in Molecular Biology</i> , 2022, 2437, 21-40.	0.4	10
99	An ultraviolet/infrared matrix-assisted laser desorption ionization sample stage integrating scanning knife-edge and slit devices for laser beam analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 1266-1270.	0.7	9
100	Changes in the molecular ion yield and fragmentation of peptides under various primary ions in ToF-SIMS and matrix-enhanced ToF-SIMS. <i>Biointerphases</i> , 2016, 11, 02A318.	0.6	9
101	Localization of ergot alkaloids in sclerotia of <i>Claviceps purpurea</i> by matrix-assisted laser desorption/ionization mass spectrometry imaging. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 1221-1230.	1.9	9
102	Infrared MALDI mass spectrometry imaging of TLC-separated glycosphingolipids with emphasis on Shiga toxin receptors isolated from human colon epithelial cells. <i>International Journal of Mass Spectrometry</i> , 2017, 416, 53-60.	0.7	8
103	Ultraviolet laser desorption/ionization mass spectrometry of single-core and multi-core polyaromatic hydrocarbons under variable conditions of collisional cooling: insights into the generation of molecular ions, fragments and oligomers. <i>Journal of Mass Spectrometry</i> , 2014, 49, 1127-1138.	0.7	7
104	Single-Photon-Induced Postionization to Boost Ion Yields in MALDI Mass Spectrometry Imaging**. <i>Angewandte Chemie</i> , 2022, 134, .	1.6	5
105	Low-Pressure Photoionization in a Dual-Ion Funnel Injector Coupled to an Orbitrap Mass Spectrometer for Direct Analysis of Human Breath and Head-Space Sampled Coffee Roasts. <i>ChemPlusChem</i> , 2020, 85, 1559-1563.	1.3	4
106	Spatial distribution of isobaric androgens in target tissues using chemical derivatization and MALDI-2 on a trapped ion mobility quadrupole time-of-flight instrument. <i>RSC Advances</i> , 2021, 11, 33916-33925.	1.7	3
107	Effect of the Laser Pulse Width in MALDI-2: A Comparative Study of Picosecond versus Nanosecond Wide Pulses for Laser Postionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 315-321.	1.2	3
108	Interactive Visual Analysis of Mass Spectrometry Imaging Data Using Linear and Non-Linear Embeddings. <i>Information (Switzerland)</i> , 2020, 11, 575.	1.7	1

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109	Infrared laser post-ionization of large biomolecules from an IR-MALD(I) plume. Journal of the American Society for Mass Spectrometry, 2004, 15, 934-941.	1.2	1