

Richard A Yost

List of Publications by Year in descending order

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181
papers

7,390
citations

50276

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186
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186
docs citations

186
times ranked

6787
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of Human Skin Emanations by Gas Chromatography/Mass Spectrometry. 2. Identification of Volatile Compounds That Are Candidate Attractants for the Yellow Fever Mosquito (<i>Aedes aegypti</i>). <i>Analytical Chemistry</i> , 2000, 72, 747-756.	6.5	478
2	Flavanone absorption after naringin, hesperidin, and citrus administration*. <i>Clinical Pharmacology and Therapeutics</i> , 1996, 60, 34-40.	4.7	269
3	LipidMatch: an automated workflow for rule-based lipid identification using untargeted high-resolution tandem mass spectrometry data. <i>BMC Bioinformatics</i> , 2017, 18, 331.	2.6	243
4	Tandem-in-space and tandem-in-time mass spectrometry: triple quadrupoles and quadrupole ion traps. <i>Analytical Chemistry</i> , 1990, 62, 2162-2172.	6.5	186
5	Automated MALDI Matrix Deposition Method with Inkjet Printing for Imaging Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 6862-6867.	6.5	179
6	Dimethyl disulfide derivatives of long chain alkenes, alkadienes, and alkatrienes for gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 1989, 61, 1564-1571.	6.5	168
7	Expanding Lipidome Coverage Using LC-MS/MS Data-Dependent Acquisition with Automated Exclusion List Generation. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 908-917.	2.8	156
8	Quantitative MALDI Tandem Mass Spectrometric Imaging of Cocaine from Brain Tissue with a Deuterated Internal Standard. <i>Analytical Chemistry</i> , 2013, 85, 1081-1089.	6.5	154
9	Chlorination byproducts of amino acids in natural waters. <i>Environmental Science & Technology</i> , 1986, 20, 1117-1122.	10.0	151
10	Imaging of small molecules in tissue sections with a new intermediate-pressure MALDI linear ion trap mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2007, 260, 166-176.	1.5	137
11	Tandem mass spectrometry (MS/MS) instrumentation. <i>Mass Spectrometry Reviews</i> , 1983, 2, 1-45.	5.4	136
12	Analysis of Human Skin Emanations by Gas Chromatography/Mass Spectrometry. 1. Thermal Desorption of Attractants for the Yellow Fever Mosquito (<i>Aedes aegypti</i>) from Handled Glass Beads. <i>Analytical Chemistry</i> , 1999, 71, 1-7.	6.5	126
13	Lipotoxicity in steatohepatitis occurs despite an increase in tricarboxylic acid cycle activity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E484-E494.	3.5	126
14	Detection of pharmaceutical compounds in tissue by matrix-assisted laser desorption/ionization and laser desorption/chemical ionization tandem mass spectrometry with a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1999, 10, 1315-1321.	2.8	125
15	Utility of imaging mass spectrometry (IMS) by matrix-assisted laser desorption ionization (MALDI) on an ion trap mass spectrometer in the analysis of drugs and metabolites in biological tissues. <i>Journal of Pharmacological and Toxicological Methods</i> , 2007, 55, 279-288.	0.7	113
16	Structural elucidation of drug metabolites by triple-quadrupole mass spectrometry. <i>Analytical Chemistry</i> , 1982, 54, 1466-1471.	6.5	104
17	Imaging of Lipids in Spinal Cord Using Intermediate Pressure Matrix-Assisted Laser Desorption-Linear Ion Trap/Orbitrap MS. <i>Analytical Chemistry</i> , 2009, 81, 8488-8495.	6.5	97
18	Optimization of Folch, Bligh-Dyer, and Matyash sample-to-extraction solvent ratios for human plasma-based lipidomics studies. <i>Analytica Chimica Acta</i> , 2018, 1037, 351-357.	5.4	95

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19	Synergistic Attraction of <i>Aedes aegypti</i> (L.) to Binary Blends of L-Lactic Acid and Acetone, Dichloromethane, or Dimethyl Disulfide. <i>Journal of Medical Entomology</i> , 2003, 40, 653-656.	1.8	92
20	Electrospray ionization tandem mass spectrometry collision-induced dissociation study of explosives in an ion trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 1997, 11, 1961-1970.	1.5	91
21	Effects of Fragile Ions on Mass Resolution and on Isolation for Tandem Mass Spectrometry in the Quadrupole Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2002, 74, 402-412.	6.5	91
22	Ion Mobility in Clinical Analysis: Current Progress and Future Perspectives. <i>Clinical Chemistry</i> , 2016, 62, 124-133.	3.2	88
23	Analysis of Intact Tissue by Intermediate-Pressure MALDI on a Linear Ion Trap Mass Spectrometer. <i>Analytical Chemistry</i> , 2006, 78, 2465-2469.	6.5	86
24	Quantitative Tandem Mass Spectrometric Imaging of Endogenous Acetyl-L-carnitine from Piglet Brain Tissue Using an Internal Standard. <i>Analytical Chemistry</i> , 2011, 83, 8575-8581.	6.5	80
25	Tandem Mass Spectrometry for Trace Analysis. <i>Analytical Chemistry</i> , 1985, 57, 758A-768A.	6.5	78
26	On-line electrochemistry/thermospray/tandem mass spectrometry as a new approach to the study of redox reactions: the oxidation of uric acid. <i>Analytical Chemistry</i> , 1989, 61, 1709-1717.	6.5	78
27	Performance enhancement in the measurement of 5 endogenous steroids by LC-MS/MS combined with differential ion mobility spectrometry. <i>Clinica Chimica Acta</i> , 2015, 438, 330-336.	1.1	77
28	Lipid Annotator: Towards Accurate Annotation in Non-Targeted Liquid Chromatography High-Resolution Tandem Mass Spectrometry (LC-HRMS/MS) Lipidomics Using a Rapid and User-Friendly Software. <i>Metabolites</i> , 2020, 10, 101.	2.9	69
29	Short open tubular columns in gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 1986, 58, 14-19.	6.5	68
30	Identifying Tissue-Specific Signal Variation in MALDI Mass Spectrometric Imaging by Use of an Internal Standard. <i>Analytical Chemistry</i> , 2013, 85, 1090-1096.	6.5	68
31	[7] Tandem mass spectrometry: Quadrupole and hybrid instruments. <i>Methods in Enzymology</i> , 1990, 193, 154-200.	1.0	66
32	Comparison of blood plasma sample preparation methods for combined LC-MS lipidomics and metabolomics. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2015, 1002, 260-266.	2.3	65
33	Effective Liquid Chromatography-Trapped Ion Mobility Spectrometry-Mass Spectrometry Separation of Isomeric Lipid Species. <i>Analytical Chemistry</i> , 2019, 91, 5021-5027.	6.5	64
34	Solvent vapor effects on planar high-field asymmetric waveform ion mobility spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011, 300, 173-181.	1.5	63
35	Ion mobility-mass spectrometry separation of steroid structural isomers and epimers. <i>International Journal for Ion Mobility Spectrometry</i> , 2017, 20, 31-39.	1.4	62
36	Rapid identification of drug metabolites with tandem mass spectrometry. <i>Biomedical & Environmental Mass Spectrometry</i> , 1988, 15, 193-204.	1.6	60

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37	Electrochemistry/thermospray/tandem mass spectrometry in the study of biooxidation of purines. <i>Analytical Chemistry</i> , 1988, 60, 720-722.	6.5	58
38	Common cases of improper lipid annotation using high-resolution tandem mass spectrometry data and corresponding limitations in biological interpretation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2017, 1862, 766-770.	2.4	58
39	Infrared multiple photon dissociation in the quadrupole ion trap via a multipass optical arrangement. <i>Journal of the American Society for Mass Spectrometry</i> , 1994, 5, 886-893.	2.8	57
40	Determination of aldicarb, aldicarb oxime, and aldicarb nitrile in water by gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 1281-1285.	6.5	54
41	MALDI Mass Spectrometric Imaging of Cardiac Tissue Following Myocardial Infarction in a Rat Coronary Artery Ligation Model. <i>Analytical Chemistry</i> , 2012, 84, 1117-1125.	6.5	54
42	Fundamental studies of ion injection and trapping of electrosprayed ions on a quadrupole ion trap. <i>International Journal of Mass Spectrometry</i> , 1999, 190-191, 81-102.	1.5	52
43	Origin of mass shifts in the quadrupole ion trap: dissociation of fragile ions observed with a hybrid ion trap/mass filter instrument. , 2000, 14, 270-273.		52
44	Enhancement of chemical derivatization of steroids by gas chromatography/mass spectrometry (GC/MS). <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 3237-3242.	2.3	51
45	Isotopic Ratio Outlier Analysis Global Metabolomics of <i>Caenorhabditis elegans</i> . <i>Analytical Chemistry</i> , 2013, 85, 11858-11865.	6.5	51
46	Compact gas chromatograph probe for gas chromatography/mass spectrometry utilizing resistively heated aluminum-clad capillary columns. <i>Analytical Chemistry</i> , 1989, 61, 2410-2416.	6.5	50
47	Pioglitazone improves hepatic mitochondrial function in a mouse model of nonalcoholic steatohepatitis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E163-E173.	3.5	50
48	Quantitative MALDI-MS ⁺ analysis of cocaine in the autopsied brain of a human cocaine user employing a wide isolation window and internal standards. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 564-571.	2.8	48
49	Nonlinear resonance effects during ion storage in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1993, 4, 917-929.	2.8	44
50	Comparison of mass spectrometric methods for trace level screening of hexachlorobenzene and trichlorophenol in human blood serum and urine. <i>Analytical Chemistry</i> , 1984, 56, 2223-2228.	6.5	43
51	Tandem mass spectrometry for the trace determination of tryptolines in crude brain extracts. <i>Analytical Chemistry</i> , 1984, 56, 1655-1661.	6.5	42
52	Direct Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Imaging of Cellulose and Hemicellulose in <i>Populus</i> Tissue. <i>Analytical Chemistry</i> , 2011, 83, 6722-6730.	6.5	42
53	Experimental and Theoretical Investigation of Sodiated Multimers of Steroid Epimers with Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 323-331.	2.8	42
54	Determination of drugs in blood serum by mass spectrometry/mass spectrometry. <i>Analytical Chemistry</i> , 1983, 55, 549-553.	6.5	41

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55	Tandem mass spectrometry for characterization of high-carbon-number geoporphyrins. <i>Analytical Chemistry</i> , 1986, 58, 1325-1329.	6.5	40
56	Recent progress in metabolomics using ion mobility-mass spectrometry. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 116, 274-281.	11.4	39
57	Theoretical and practical aspects of short open tubular columns at subambient pressures in gas chromatography/mass spectrometry. <i>Analytical Chemistry</i> , 1989, 61, 2402-2410.	6.5	38
58	Considerations for quantification of lipids in nerve tissue using matrix-assisted laser desorption/ionization mass spectrometric imaging. <i>Rapid Communications in Mass Spectrometry</i> , 2011, 25, 3178-3184.	1.5	38
59	Differential Neuroproteomic and Systems Biology Analysis of Spinal Cord Injury. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 2379-2395.	3.8	38
60	Simultaneous Determination of Trace Levels of Nine Haloacetic Acids in Biological Samples as Their Pentafluorobenzyl Derivatives by Gas Chromatography/Tandem Mass Spectrometry in Electron Capture Negative Ion Chemical Ionization Mode. <i>Analytical Chemistry</i> , 2003, 75, 4065-4080.	6.5	37
61	LipidQC: Method Validation Tool for Visual Comparison to SRM 1950 Using NIST Interlaboratory Comparison Exercise Lipid Consensus Mean Estimate Values. <i>Analytical Chemistry</i> , 2017, 89, 13069-13073.	6.5	37
62	Investigating Differences in Gas-Phase Conformations of 25-Hydroxyvitamin D3 Sodiated Epimers using Ion Mobility-Mass Spectrometry and Theoretical Modeling. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1497-1505.	2.8	36
63	Precast Gelatin-Based Molds for Tissue Embedding Compatible with Mass Spectrometry Imaging. <i>Analytical Chemistry</i> , 2017, 89, 576-580.	6.5	35
64	Application of paper spray ionization for explosives analysis. <i>Rapid Communications in Mass Spectrometry</i> , 2017, 31, 1565-1572.	1.5	35
65	Parent and Neutral Loss Monitoring on a Quadrupole Ion Trap Mass Spectrometer: Screening of Acylcarnitines in Complex Mixtures. <i>Analytical Chemistry</i> , 2002, 74, 5799-5806.	6.5	34
66	Studies on high carbon number geoporphyrins by tandem mass spectrometry. <i>Organic Geochemistry</i> , 1989, 14, 43-50.	1.8	33
67	NIST lipidomics workflow questionnaire: an assessment of community-wide methodologies and perspectives. <i>Metabolomics</i> , 2018, 14, 53.	3.0	33
68	Characterization of solution-phase and gas-phase reactions in on-line electrochemistry-thermospray tandem mass spectrometry. <i>Journal of Chromatography A</i> , 1989, 474, 231-243.	3.7	32
69	Enhanced Analysis of Steroids by Gas Chromatography/Mass Spectrometry using Microwave-Accelerated Derivatization. <i>Analytical Chemistry</i> , 2009, 81, 6725-6734.	6.5	32
70	MS-MS parent scans on a quadrupole ion trap mass spectrometer by simultaneous resonant excitation of multiple ions. <i>International Journal of Mass Spectrometry and Ion Processes</i> , 1991, 106, 197-212.	1.8	31
71	A Robust Lipidomics Workflow for Mammalian Cells, Plasma, and Tissue Using Liquid-Chromatography High-Resolution Tandem Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2017, 1609, 91-106.	0.9	31
72	Electrochemistry On Line with Mass Spectrometry Insight into Biological Redox Reactions. <i>Analytical Chemistry</i> , 1992, 64, 21A-26A.	6.5	30

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73	Pulsed helium introduction into a quadrupole ion trap for reduced collisional quenching during infrared multiphoton dissociation of electrosprayed ions. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1391-1397.	1.5	30
74	Isotopic Ratio Outlier Analysis of the <i>S. cerevisiae</i> Metabolome Using Accurate Mass Gas Chromatography/Time-of-Flight Mass Spectrometry: A New Method for Discovery. <i>Analytical Chemistry</i> , 2016, 88, 2747-2754.	6.5	30
75	Evaluation of extraction workflows for quantitative analysis of per- and polyfluoroalkyl substances: A case study using soil adjacent to a landfill. <i>Science of the Total Environment</i> , 2021, 760, 143944.	8.0	30
76	Quantitative measurement of octopamines and synephrines in urine using capillary column gas chromatography negative ion chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 1695-1699.	6.5	29
77	Tandem mass spectrometry of organophosphate and carbamate pesticides. <i>Organic Mass Spectrometry</i> , 1986, 21, 785-791.	1.3	29
78	Probing trapped ion energies via ion-molecule reaction kinetics: Quadrupole ion trap mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1992, 3, 716-726.	2.8	29
79	Mass spectral fragmentation of the intravenous anesthetic propofol and structurally related phenols. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 814-824.	2.8	29
80	The use of reactive collisions in tandem mass spectrometry for the differentiation of isomeric structures. <i>Organic Mass Spectrometry</i> , 1984, 19, 104-105.	1.3	28
81	Concentrations of Tryptoline and Methtryptoline in Rat Brain. <i>Journal of Neurochemistry</i> , 1989, 52, 847-852.	3.9	28
82	Liquid Chromatography-Mass Spectrometry Metabolic and Lipidomic Sample Preparation Workflow for Suspension-Cultured Mammalian Cells using Jurkat T lymphocyte Cells. <i>Journal of Proteomics and Bioinformatics</i> , 2015, 08, 126-132.	0.4	28
83	Mass Spectrometry-Based Cellular Metabolomics: Current Approaches, Applications, and Future Directions. <i>Analytical Chemistry</i> , 2021, 93, 546-566.	6.5	28
84	On-line mass spectrometric investigation of the peroxidase-catalysed oxidation of uric acid. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 1990, 8, 205-215.	2.8	27
85	Screening of tau protein kinase inhibitors in a tauopathy-relevant cell-based model of tau hyperphosphorylation and oligomerization. <i>PLoS ONE</i> , 2020, 15, e0224952.	2.5	27
86	Laser desorption chemical ionization mass spectrometry/mass spectrometry. <i>Analytical Chemistry</i> , 1983, 55, 2002-2005.	6.5	26
87	On-line Mass Spectrometric Insights Into Electrochemical Reactions: Oxidation of Thiopurines. <i>Journal of the Electrochemical Society</i> , 1990, 137, 1764-1771.	2.9	26
88	The Henryville bed of the New Albany shale—III: Tandem mass spectrometric analyses of geoporphyrins from the bitumen and kerogen. <i>Organic Geochemistry</i> , 1991, 17, 93-105.	1.8	26
89	Black canyons for ions stored in an ion-trap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 573-578.	1.5	25
90	Environmental lipidomics: understanding the response of organisms and ecosystems to a changing world. <i>Metabolomics</i> , 2020, 16, 56.	3.0	24

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91	The stretched quadrupole ion trap: Implications for the Mathieuau andqu parameters and experimental mapping of the stability diagram. <i>Rapid Communications in Mass Spectrometry</i> , 1992, 6, 760-764.	1.5	23
92	Doubly charged porphyrin ion tandem mass spectrometry: Implications for structure elucidation. <i>Organic Mass Spectrometry</i> , 1989, 24, 875-884.	1.3	22
93	Portable FAIMS: Applications and future perspectives. <i>International Journal of Mass Spectrometry</i> , 2017, 422, 188-196.	1.5	22
94	Tissue-specific analysis of lipid species in <i>Drosophila</i> during overnutrition by UHPLC-MS/MS and MALDI-MSI. <i>Journal of Lipid Research</i> , 2020, 61, 275-290.	4.2	22
95	Short-column gas chromatography/tandem mass spectrometry for the detection of underivatized anabolic steroids in urine. <i>Biological Mass Spectrometry</i> , 1994, 23, 131-139.	0.5	21
96	<scp> </scp>-Carnitine Inhibits Lipopolysaccharide-Induced Nitric Oxide Production of SIM-A9 Microglia Cells. <i>ACS Chemical Neuroscience</i> , 2018, 9, 901-905.	3.5	21
97	Software tool for internal standard based normalization of lipids, and effect of data-processing strategies on resulting values. <i>BMC Bioinformatics</i> , 2019, 20, 217.	2.6	21
98	Pharmaceutical and clinical analysis by tandem mass spectrometry. <i>Talanta</i> , 1984, 31, 929-935.	5.5	20
99	Operation of a quadrupole ion trap for particle beam LC/MS analyses. <i>Analytical Chemistry</i> , 1993, 65, 1295-1300.	6.5	20
100	Lipid analysis of flat-mounted eye tissue by imaging mass spectrometry with identification of contaminants in preservation. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 103-113.	3.7	20
101	Maternal exposure to di-2-ethylhexylphthalate and adverse delivery outcomes: A systematic review. <i>Reproductive Toxicology</i> , 2016, 65, 76-86.	2.9	20
102	Chemical characterization of <i>Azadirachta indica</i> grafted on <i>Melia azedarach</i> and analyses of azadirachtin by HPLC–MS–MS (SRM) and meliatoxins by MALDI–MS. <i>Phytochemical Analysis</i> , 2010, 21, 363-373.	2.4	19
103	High-field asymmetric waveform ion mobility spectrometry with solvent vapor addition: a potential greener bioanalytical technique. <i>Bioanalysis</i> , 2012, 4, 1363-1375.	1.5	19
104	Ion mobility spectrometer–field asymmetric ion mobility spectrometer-mass spectrometry. <i>International Journal for Ion Mobility Spectrometry</i> , 2011, 14, 15-22.	1.4	18
105	Standardized method for solubility and storage of capsaicin-based solutions for cough induction. <i>Cough</i> , 2014, 10, 6.	2.7	18
106	Thermal decomposition characterization of explosives by pyrolysis-gas chromatography-mass spectrometry. <i>Journal of Chromatography A</i> , 1994, 688, 231-242.	3.7	17
107	Trace Determination of Naringenin and Hesperitin by Tandem Mass Spectrometry. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 1966-1968.	5.2	17
108	Monitoring Dopamine ex Vivo during Electrical Stimulation Using Liquid-Microjunction Surface Sampling. <i>Analytical Chemistry</i> , 2017, 89, 13658-13665.	6.5	17

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109	Degradation of N-methylcarbamate and carbamoyl oxime pesticides in chlorinated water. <i>Bulletin of Environmental Contamination and Toxicology</i> , 1988, 41, 838-843.	2.7	16
110	Reactions in the mass spectrometry of a hydride meisenheimer complex of 2,4,6-trinitrotoluene (TNT). <i>Journal of Mass Spectrometry</i> , 1995, 30, 715-722.	1.6	16
111	Collision-induced dissociation breakdown surfaces for n-alkylbenzene molecular ions in a quadrupole ion trap mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2000, 194, 121-132.	1.5	16
112	MALDI-Linear Ion Trap Microprobe MS/MS Studies of the Effects of Dichloroacetate on Lipid Content of Nerve Tissue. <i>Analytical Chemistry</i> , 2007, 79, 8170-8175.	6.5	16
113	Analysis of Large Peptides by MALDI Using a Linear Quadrupole Ion Trap with Mass Range Extension. <i>Analytical Chemistry</i> , 2010, 82, 930-934.	6.5	16
114	Characterization of Phosphatidylcholine Oxidation Products by MALDI MS. <i>Analytical Chemistry</i> , 2013, 85, 11410-11419.	6.5	16
115	Metabolomic Analysis of Oxidative and Glycolytic Skeletal Muscles by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometric Imaging (MALDI MSI). <i>Journal of the American Society for Mass Spectrometry</i> , 2015, 26, 915-923.	2.8	16
116	Solvent vapor effects in planar high-field asymmetric waveform ion mobility spectrometry: Solvent trends and temperature effects. <i>International Journal of Mass Spectrometry</i> , 2015, 378, 336-346.	1.5	16
117	Integration of paper spray ionization high-field asymmetric waveform ion mobility spectrometry for forensic applications. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 552-560.	1.5	16
118	Mass Spectrometric Methodologies for Investigating the Metabolic Signatures of Parkinson's Disease: Current Progress and Future Perspectives. <i>Analytical Chemistry</i> , 2018, 90, 2979-2986.	6.5	15
119	Rapid Quantitation of 25-Hydroxyvitamin D2 and D3 in Human Serum Using Liquid Chromatography/Drift Tube Ion Mobility-Mass Spectrometry. <i>Analytical Chemistry</i> , 2019, 91, 13555-13561.	6.5	15
120	Determination of atmospheric degradation products of toluene by tandem mass spectrometry. <i>Analytical Chemistry</i> , 1984, 56, 1329-1335.	6.5	14
121	Separation of Structurally Similar Anabolic Steroids as Cation Adducts in FAIMS-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 355-365.	2.8	14
122	Internal pulsed valve sample introduction on a quadrupole ion trap mass spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 1995, 6, 976-980.	2.8	13
123	Human Kinetics of Orally and Intravenously Administered Low-Dose 1,2- ¹³ C-Dichloroacetate. <i>Journal of Clinical Pharmacology</i> , 2006, 46, 1449-1459.	2.0	13
124	Measuring the Integrity of Gas-Phase Conformers of Sodiated 25-Hydroxyvitamin D3 by Drift Tube, Traveling Wave, Trapped, and High-Field Asymmetric Ion Mobility. <i>Analytical Chemistry</i> , 2019, 91, 4092-4099.	6.5	13
125	Per- and Polyfluoroalkyl Substances (PFAS) in Street Sweepings. <i>Environmental Science & Technology</i> , 2022, 56, 6069-6077.	10.0	13
126	Analysis of Biomolecules Using Electrospray Ionization Ion-Trap Mass Spectrometry and Laser Photodissociation. <i>ACS Symposium Series</i> , 1996, , 512-564.	0.5	12

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127	Gas chromatographic sample introduction into the collision cell of a triple quadrupole mass spectrometer for mass-selection of reactant ions for charge exchange and chemical ionization. <i>Analytical Chemistry</i> , 1989, 61, 1874-1879.	6.5	11
128	Evaluation of Derivatization Strategies for the Comprehensive Analysis of Endocrine Disrupting Compounds using GC/MS. <i>Journal of Chromatographic Science</i> , 2009, 47, 44-51.	1.4	11
129	Comparison of Rectangular and Bisinusoidal Waveforms in a Miniature Planar High-Field Asymmetric Waveform Ion Mobility Spectrometer. <i>Analytical Chemistry</i> , 2011, 83, 9237-9243.	6.5	11
130	Lipidomics for wildlife disease etiology and biomarker discovery: a case study of pansteatitis outbreak in South Africa. <i>Metabolomics</i> , 2019, 15, 38.	3.0	11
131	Generation and Release of Neurogranin, Vimentin, and MBP Proteolytic Peptides, Following Traumatic Brain Injury. <i>Molecular Neurobiology</i> , 2022, 59, 731-747.	4.0	11
132	Estimation of mutagenic/carcinogenic potential of environmental contaminants by ion-molecule reactions and tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 1990, 1, 110-115.	2.8	10
133	Optimization of short-column gas chromatography/electron ionization mass spectrometry conditions for the determination of underivatized anabolic steroids. <i>Biological Mass Spectrometry</i> , 1992, 21, 420-430.	0.5	10
134	Electron ionization mass spectrometric analysis of 5-nitro octaethylprophyrin: evidence for scission of the porphyrin macrocycle. <i>Journal of Mass Spectrometry</i> , 1997, 32, 978-983.	1.6	10
135	Interpretation of electrospray/ion trap mass spectra of bile acids and other surfactants. <i>Rapid Communications in Mass Spectrometry</i> , 2000, 14, 1398-1403.	1.5	10
136	Examining heat treatment for stabilization of the lipidome. <i>Bioanalysis</i> , 2018, 10, 291-305.	1.5	10
137	Effects of Solvent Vapor Modifiers for the Separation of Opioid Isomers in Micromachined FAIMS-MS. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 731-742.	2.8	10
138	Chapter 30. Tandem Mass Spectrometry for the Identification of Drug Metabolites. <i>Annual Reports in Medicinal Chemistry</i> , 1986, 21, 313-321.	0.9	9
139	Preliminary characterisation of porphyrins from the Gafsa Basin, Tunisia: Evidence for metal-free benzo porphyrins from an immature sediment. <i>Organic Geochemistry</i> , 1990, 15, 169-177.	1.8	9
140	The effects of pulsed introduction of buffer gas on ion storage and detection efficiencies in a quadrupole ion trap. <i>Journal of the American Society for Mass Spectrometry</i> , 1997, 8, 532-538.	2.8	9
141	Characterization of protonated phospholipids as fragile ions in quadrupole ion trap mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2011, 308, 299-306.	1.5	9
142	Cation-dependent conformations in 25-hydroxyvitamin D3-cation adducts measured by ion mobility-mass spectrometry and theoretical modeling. <i>International Journal of Mass Spectrometry</i> , 2018, 432, 1-8.	1.5	9
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