

# Gary J Van Berkel

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

166  
papers

8,643  
citations

51  
h-index

85  
g-index

171  
ext. papers

9,128  
ext. citations

5.1  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
166	Fluid Dynamics of the Open Port Interface for High-Speed Nanoliter Volume Sampling Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2021</b> , 93, 8559-8567	7.8	4
165	Operational Modes and Speed Considerations of an Acoustic Droplet Dispenser for Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 15818-15826	7.8	11
164	Spatial profiling of stapled Helical peptide ATSP-7041 in mouse whole-body thin tissue sections using droplet-based liquid microjunction surface sampling-HPLC-ESI/MS/MS. <i>International Journal of Mass Spectrometry</i> , <b>2019</b> , 437, 17-22	1.9	8
163	Solvent effects on differentiation of mouse brain tissue using laser microdissection cut and drop sampling with direct mass spectral analysis. <i>Rapid Communications in Mass Spectrometry</i> , <b>2018</b> , 32, 414-422	2.2	9
162	Atomic Force Microscopy Thermally-Assisted Microsampling with Atmospheric Pressure Temperature Ramped Thermal Desorption/Ionization-Mass Spectrometry Analysis. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 3036-3042	7.8	7
161	Improved spatial resolution for spot sampling in thermal desorption atomic force microscopy - mass spectrometry via rapid heating functions. <i>Nanoscale</i> , <b>2017</b> , 9, 5708-5717	7.7	9
160	Polymeric spatial resolution test patterns for mass spectrometry imaging using nano-thermal analysis with atomic force microscopy. <i>Rapid Communications in Mass Spectrometry</i> , <b>2017</b> , 31, 1204-1210	2.2	2
159	Combined Falling Drop/Open Port Sampling Interface System for Automated Flow Injection Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 12578-12586	7.8	13
158	Rapid sample classification using an open port sampling interface coupled with liquid introduction atmospheric pressure ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2017</b> , 31, 281-291	2.2	21
157	Immediate drop on demand technology (I-DOT) coupled with mass spectrometry via an open port sampling interface. <i>Bioanalysis</i> , <b>2017</b> , 9, 1667-1679	2.1	13
156	Modern Atmospheric Pressure Surface Sampling/Ionization Techniques in Mass Spectrometry <b>2017</b> , 819-829		
155	Online, Absolute Quantitation of Propranolol from Spatially Distinct 20- and 40- $\mu$ m Dissections of Brain, Liver, and Kidney Thin Tissue Sections by Laser Microdissection-Liquid Vortex Capture-Mass Spectrometry. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 6026-34	7.8	35
154	Quantitation of repaglinide and metabolites in mouse whole-body thin tissue sections using droplet-based liquid microjunction surface sampling-high-performance liquid chromatography-electrospray ionization tandem mass spectrometry. <i>Journal of Chromatography A</i> , <b>2016</b> , 1439, 137-143	4.5	13
153	Quantitative metrics for assessment of chemical image quality and spatial resolution. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30, 927-32	2.2	6
152	Laser dissection sampling modes for direct mass spectral analysis. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30, 611-9	2.2	29
151	Extraction efficiency and implications for absolute quantitation of propranolol in mouse brain, liver and kidney tissue sections using droplet-based liquid microjunction surface sampling high-performance liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2016</b> , 30, 1705-1712	2.2	21
150	Submicron Spatial Resolution in Thermal Desorption Mass Spectrometry via Rapid Heating Functions using Thermal AFM Probes. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 368-369	0.5	1

149	Topographical and Chemical Imaging of a Phase Separated Polymer Using a Combined Atomic Force Microscopy/Infrared Spectroscopy/Mass Spectrometry Platform. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 2864-70	7.8	23
148	Dereplicating and Spatial Mapping of Secondary Metabolites from Fungal Cultures in Situ. <i>Journal of Natural Products</i> , <b>2015</b> , 78, 1926-36	4.9	41
147	An enhanced droplet-based liquid microjunction surface sampling system coupled with HPLC-ESI-MS/MS for spatially resolved analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 2117-23	4.4	26
146	Co-registered Topographical, Band Excitation Nanomechanical, and Mass Spectral Imaging Using a Combined Atomic Force Microscopy/Mass Spectrometry Platform. <i>ACS Nano</i> , <b>2015</b> , 9, 4260-9	16.7	27
145	Comparison of Internal Energy Distributions of Ions Created by Electrospray Ionization and Laser Ablation-Liquid Vortex Capture/Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2015</b> , 26, 1462-8	3.5	8
144	Characterization and Application of a Hybrid Optical Microscopy/Laser Ablation Liquid Vortex Capture/Electrospray Ionization System for Mass Spectrometry Imaging with Sub-micrometer Spatial Resolution. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 11113-21	7.8	40
143	Xylan hydrolysis in <i>Populus trichocarpa</i> [P. deltoides] and model substrates during hydrothermal pretreatment. <i>Bioresource Technology</i> , <b>2015</b> , 179, 202-210	11	15
142	An open port sampling interface for liquid introduction atmospheric pressure ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2015</b> , 29, 1749-56	2.2	48
141	Profiling of adrenocorticotrophic hormone and arginine vasopressin in human pituitary gland and tumor thin tissue sections using droplet-based liquid-microjunction surface-sampling-HPLC-ESI-MS-MS. <i>Analytical and Bioanalytical Chemistry</i> , <b>2015</b> , 407, 5989-98	4.4	23
140	Fully automated laser ablation liquid capture surface analysis using nanoelectrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 1312-20	2.2	18
139	Atomic force microscope controlled topographical imaging and proximal probe thermal desorption/ionization mass spectrometry imaging. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 1083-90	7.8	39
138	Controlled-resonant surface tapping-mode scanning probe electrospray ionization mass spectrometry imaging. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 3146-52	7.8	16
137	Multimodal Chemical and Physical Surface Characterization on a Combined AFM-MS Platform.. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 2078-2079	0.5	
136	Liquid microjunction surface sampling of acetaminophen, terfenadine and their metabolites in thin tissue sections. <i>Bioanalysis</i> , <b>2014</b> , 6, 2599-606	2.1	16
135	Sampling reliability, spatial resolution, spatial precision, and extraction efficiency in droplet-based liquid microjunction surface sampling. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 1553-60	2.2	28
134	Transmission geometry laser ablation into a non-contact liquid vortex capture probe for mass spectrometry imaging. <i>Rapid Communications in Mass Spectrometry</i> , <b>2014</b> , 28, 1665-73	2.2	31
133	Rapid quantitation of ascorbic and folic acids in SRM 3280 multivitamin/multielement tablets using flow-injection tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 163-8	2.2	8
132	Laser ablation sampling of materials directly into the formed liquid microjunction of a continuous flow surface sampling probe/electrospray ionization emitter for mass spectral analysis and imaging. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 10211-7	7.8	18

131	Continuous-flow liquid microjunction surface sampling probe connected on-line with high-performance liquid chromatography/mass spectrometry for spatially resolved analysis of small molecules and proteins. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 1329-34	2.2	70
130	Laser microdissection and atmospheric pressure chemical ionization mass spectrometry coupled for multimodal imaging. <i>Rapid Communications in Mass Spectrometry</i> , <b>2013</b> , 27, 1429-36	2.2	30
129	Automated liquid microjunction surface sampling-HPLC-MS/MS analysis of drugs and metabolites in whole-body thin tissue sections. <i>Bioanalysis</i> , <b>2013</b> , 5, 819-26	2.1	30
128	Evaluation of flow-injection tandem mass spectrometry for rapid and high-throughput quantitative determination of B vitamins in nutritional supplements. <i>Journal of Agricultural and Food Chemistry</i> , <b>2012</b> , 60, 8356-62	5.7	15
127	Electrochemistry of the Electrospray Ion Source <b>2012</b> , 75-122		3
126	Analysis of chloroquine and metabolites directly from whole-body animal tissue sections by liquid extraction surface analysis (LESA) and tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2012</b> , 47, 1420-8	2.2	41
125	High-performance thin-layer chromatography plate blotting for liquid microjunction surface sampling probe mass spectrometric analysis of analytes separated on a wettable phase plate. <i>Rapid Communications in Mass Spectrometry</i> , <b>2012</b> , 26, 37-42	2.2	10
124	Urea-functionalized M4L6 cage receptors: anion-templated self-assembly and selective guest exchange in aqueous solutions. <i>Journal of the American Chemical Society</i> , <b>2012</b> , 134, 8525-34	16.4	195
123	Utilizing the inherent electrolysis in a chip-based nanoelectrospray emitter system to facilitate selective ionization and mass spectrometric analysis of metallo alkylporphyrins. <i>Analytical and Bioanalytical Chemistry</i> , <b>2012</b> , 403, 335-43	4.4	10
122	Combined atomic force microscope-based topographical imaging and nanometer-scale resolved proximal probe thermal desorption/electrospray ionization-mass spectrometry. <i>ACS Nano</i> , <b>2011</b> , 5, 5526-31	16.7	41
121	Combining laser ablation/liquid phase collection surface sampling and high-performance liquid chromatography-electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 1874-8	7.8	49
120	Hydrophobic treatment enabling analysis of wettable surfaces using a liquid microjunction surface sampling probe/electrospray ionization-mass spectrometry system. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 591-7	7.8	32
119	Liquid microjunction surface sampling probe fluid dynamics: characterization and application of an analyte plug formation operational mode. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 1737-43	3.5	14
118	Liquid microjunction surface sampling probe fluid dynamics: computational and experimental analysis of coaxial intercapillary positioning effects on sample manipulation. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2011</b> , 22, 1157-66	3.5	27
117	Direct sampling and analysis from solid-phase extraction cards using an automated liquid extraction surface analysis nanoelectrospray mass spectrometry system. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 2389-96	2.2	27
116	Rapid analysis of isomeric exogenous metabolites by differential mobility spectrometry-mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 3382-6	2.2	29
115	Combining transmission geometry laser ablation and a noncontact continuous flow surface sampling probe/electrospray emitter for mass spectrometry based chemical imaging. <i>Rapid Communications in Mass Spectrometry</i> , <b>2011</b> , 25, 3735-40	2.2	33
114	Molecular surface sampling and chemical imaging using proximal probe thermal desorption/secondary ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2011</b> , 83, 598-603	7.8	35

113	Control of analyte electrolysis in electrospray ionization mass spectrometry using repetitively pulsed high voltage. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 303, 206-211	1.9	12
112	Utility of spatially-resolved atmospheric pressure surface sampling and ionization techniques as alternatives to mass spectrometric imaging (MSI) in drug metabolism. <i>Xenobiotica</i> , <b>2011</b> , 41, 720-34	2	38
111	Modern Atmospheric Pressure Surface Sampling/Ionization Techniques in Mass Spectrometry <b>2010</b> , 1544-1555		
110	Liquid microjunction surface sampling coupled with high-pressure liquid chromatography-electrospray ionization-mass spectrometry for analysis of drugs and metabolites in whole-body thin tissue sections. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5917-21	7.8	88
109	Direct analysis of reversed-phase high-performance thin layer chromatography separated tryptic protein digests using a liquid microjunction surface sampling probe/electrospray ionization mass spectrometry system. <i>European Journal of Mass Spectrometry</i> , <b>2010</b> , 16, 21-33	1.1	18
108	Fully automated liquid extraction-based surface sampling and ionization using a chip-based robotic nanoelectrospray platform. <i>Journal of Mass Spectrometry</i> , <b>2010</b> , 45, 252-60	2.2	271
107	Atmospheric pressure surface sampling/ionization techniques for direct coupling of planar separations with mass spectrometry. <i>Journal of Chromatography A</i> , <b>2010</b> , 1217, 3955-65	4.5	25
106	Minimizing analyte electrolysis in electrospray ionization mass spectrometry using a redox buffer coated emitter electrode. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 1327-34	2.2	17
105	Thin-layer chromatography and mass spectrometry coupled using proximal probe thermal desorption with electrospray or atmospheric pressure chemical ionization. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 1721-9	2.2	30
104	Poly(3,4-ethylenedioxy-pyrrole)-modified emitter electrode for substitution of homogeneous redox buffer agent hydroquinone in electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2010</b> , 24, 3368-71	2.2	7
103	Chemical imaging with desorption electrospray ionization mass spectrometry. <i>Methods in Molecular Biology</i> , <b>2010</b> , 656, 231-41	1.4	4
102	Electrochemically initiated tagging of thiols using an electrospray ionization based liquid microjunction surface sampling probe two-electrode cell. <i>Rapid Communications in Mass Spectrometry</i> , <b>2009</b> , 23, 1380-6	2.2	25
101	High-throughput mode liquid microjunction surface sampling probe. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 7096-101	7.8	60
100	Application of a liquid extraction based sealing surface sampling probe for mass spectrometric analysis of dried blood spots and mouse whole-body thin tissue sections. <i>Analytical Chemistry</i> , <b>2009</b> , 81, 9146-52	7.8	71
99	Comparison of drug distribution images from whole-body thin tissue sections obtained using desorption electrospray ionization tandem mass spectrometry and autoradiography. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 5168-77	7.8	144
98	Scanning and surface alignment considerations in chemical imaging with desorption electrospray mass spectrometry. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 1027-32	7.8	58
97	Unexpected analyte oxidation during desorption electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , <b>2008</b> , 80, 1208-14	7.8	64
96	Using HPTLC/DESI-MS for peptide identification in 1D separations of tryptic protein digests. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 391, 317-24	4.4	43

95	Improved imaging resolution in desorption electrospray ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 2639-44	2.2	133
94	Improved desorption electrospray ionization mass spectrometry performance using edge sampling and a rotational sample stage. <i>Rapid Communications in Mass Spectrometry</i> , <b>2008</b> , 22, 3846-50	2.2	23
93	Liquid microjunction surface sampling probe electrospray mass spectrometry for detection of drugs and metabolites in thin tissue sections. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 500-8	2.2	133
92	HPTLC/DESI-MS imaging of tryptic protein digests separated in two dimensions. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 1627-35	2.2	52
91	Established and emerging atmospheric pressure surface sampling/ionization techniques for mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2008</b> , 43, 1161-80	2.2	265
90	Anion partitioning and ion-pairing behavior of anions in the extraction of cesium salts by 4,5S SBis(tert-octylbenzo)dibenzo-24-crown-8 in 1,2-dichloroethane. <i>Inorganic Chemistry</i> , <b>2007</b> , 46, 261-72	5.1	36
89	Using the electrochemistry of the electrospray ion source. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 5510-20	7.8	128
88	Salt tolerance of desorption electrospray ionization (DESI). <i>Journal of the American Society for Mass Spectrometry</i> , <b>2007</b> , 18, 2218-25	3.5	85
87	Thin-layer chromatography/desorption electrospray ionization mass spectrometry: investigation of goldenseal alkaloids. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 2778-89	7.8	127
86	Surface scanning analysis of planar arrays of analytes with desorption electrospray ionization-mass spectrometry. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 5956-62	7.8	65
85	Quantitation of cotinine in nonsmoker saliva using chip-based nanoelectrospray tandem mass spectrometry. <i>Journal of Analytical Toxicology</i> , <b>2006</b> , 30, 178-86	2.9	12
84	Electrochemically modulated separation, concentration, and detection of plutonium using an anodized glassy carbon electrode and inductively coupled plasma mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 8535-42	7.8	11
83	Automated sampling and imaging of analytes separated on thin-layer chromatography plates using desorption electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2006</b> , 78, 4938-44	7.8	111
82	Evaluation of a surface-sampling probe electrospray mass spectrometry system for the analysis of surface-deposited and affinity-captured proteins. <i>Rapid Communications in Mass Spectrometry</i> , <b>2006</b> , 20, 1144-52	2.2	28
81	Performance evaluation of the Scent Transfer Unit (STU-100) for organic compound collection and release. <i>Journal of Forensic Sciences</i> , <b>2006</b> , 51, 780-9	1.8	21
80	Expanded use of a battery-powered two-electrode emitter cell for electrospray mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2006</b> , 17, 953-961	3.5	16
79	Quantitative thin-layer chromatography/mass spectrometry analysis of caffeine using a surface sampling probe electrospray ionization tandem mass spectrometry system. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 4385-9	7.8	50
78	Evaluation of "shotgun" proteomics for identification of biological threat agents in complex environmental matrixes: experimental simulations. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 923-32	7.8	34

77	Thin-layer chromatography and mass spectrometry coupled using desorption electrospray ionization. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 1207-15	7.8	222
76	Expanded electrochemical capabilities of the electrospray ion source using porous flow-through electrodes as the upstream ground and emitter high-voltage contact. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 8041-9	7.8	33
75	Automation of a surface sampling probe/electrospray mass spectrometry system. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 7183-9	7.8	92
74	Study and application of a controlled-potential electrochemistry-electrospray emitter for electrospray mass spectrometry. <i>Analytical Chemistry</i> , <b>2005</b> , 77, 4366-73	7.8	27
73	Thin-layer chromatography/electrospray ionization triple-quadrupole linear ion trap mass spectrometry system: analysis of rhodamine dyes separated on reversed-phase C8 plates. <i>Journal of Mass Spectrometry</i> , <b>2005</b> , 40, 866-75	2.2	33
72	Monitoring ionic adducts to elucidate reaction mechanisms: reduction of tetracyanoquinodimethane and oxidation of triphenylamine investigated using on-line electrochemistry/electrospray mass spectrometry. <i>Journal of Solid State Electrochemistry</i> , <b>2005</b> , 9, 390-397	2.6	18
71	Self-aspirating atmospheric pressure chemical ionization source for direct sampling of analytes on surfaces and in liquid solutions. <i>Rapid Communications in Mass Spectrometry</i> , <b>2005</b> , 19, 2305-12	2.2	46
70	An improved thin-layer chromatography/mass spectrometry coupling using a surface sampling probe electrospray ion trap system. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 1303-9	2.2	67
69	Comparison of sustained off-resonance irradiation collisionally activated dissociation and multipole storage-assisted dissociation for top-down protein analysis. <i>Journal of Mass Spectrometry</i> , <b>2004</b> , 39, 402-411	2.2	7
68	Atmospheric pressure chemical ionization and atmospheric pressure photoionization for simultaneous mass spectrometric analysis of microbial respiratory ubiquinones and menaquinones. <i>Journal of Mass Spectrometry</i> , <b>2004</b> , 39, 922-9	2.2	45
67	Efficient analyte oxidation in an electrospray ion source using a porous flow-through electrode emitter. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2004</b> , 15, 1755-66	3.5	39
66	Controlling analyte electrochemistry in an electrospray ion source with a three-electrode emitter cell. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 1493-9	7.8	52
65	Rotation planar chromatography coupled on-line with atmospheric pressure chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>2004</b> , 76, 479-82	7.8	18
64	An overview of some recent developments in ionization methods for mass spectrometry. <i>European Journal of Mass Spectrometry</i> , <b>2003</b> , 9, 539-62	1.1	27
63	Surface-assisted reduction of aniline oligomers, N-phenyl-1,4-phenylenediimine and thionin in atmospheric pressure chemical ionization and atmospheric pressure photoionization. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2002</b> , 13, 109-17	3.5	36
62	Electrochemistry/Electrospray-mass spectrometry study of cesium uptake in nickel hexacyanoferrate films. <i>Electrochimica Acta</i> , <b>2002</b> , 47, 1035-1042	6.7	30
61	Enhanced study and control of analyte oxidation in electrospray using a thin-channel, planar electrode emitter. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 5047-56	7.8	34
60	Thin-layer chromatography and electrospray mass spectrometry coupled using a surface sampling probe. <i>Analytical Chemistry</i> , <b>2002</b> , 74, 6216-23	7.8	175

59	Electrochemical processes in a wire-in-a-capillary bulk-loaded, nano-electrospray emitter. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2001</b> , 12, 853-62	3.5	117
58	Electrospray tandem mass spectrometric study of ferrocene carbamate ester derivatives of saturated primary, secondary and tertiary alcohols. <i>Journal of Mass Spectrometry</i> , <b>2001</b> , 36, 179-87	2.2	27
57	Minimizing analyte electrolysis in an electrospray emitter. <i>Journal of Mass Spectrometry</i> , <b>2001</b> , 36, 204-10.	2	40
56	Electrospray tandem mass spectrometric study of alkyl 1-methylpyridinium ether derivatives of alcohols. <i>Journal of Mass Spectrometry</i> , <b>2001</b> , 36, 1294-300	2.2	20
55	Electropolymerization of Methylene Blue Investigated Using On-Line Electrochemistry/Electrospray Mass Spectrometry. <i>Electroanalysis</i> , <b>2001</b> , 13, 1425-1430	3	66
54	Redox buffering in an electrospray ion source using a copper capillary emitter. <i>Journal of Mass Spectrometry</i> , <b>2001</b> , 36, 1125-32	2.2	48
53	Selective Detection of Derivatized Alcohols and Phenols in Essential Oils by Electrospray-Tandem Mass Spectrometry. <i>Journal of Essential Oil Research</i> , <b>2001</b> , 13, 324-331	2.3	3
52	Derivatization for electrospray ionization-mass spectrometry. 4. Alkenes and alkynes. <i>Rapid Communications in Mass Spectrometry</i> , <b>2000</b> , 14, 849-58	2.2	39
51	Electrolytic deposition of metals on to the high-voltage contact in an electrospray emitter: implications for gas-phase ion formation. <i>Journal of Mass Spectrometry</i> , <b>2000</b> , 35, 773-83	2.2	73
50	Electrochemical processes in electrospray ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , <b>2000</b> , 35, 939-52	2.2	247
49	Insights into analyte electrolysis in an electrospray emitter from chronopotentiometry experiments and mass transport calculations. <i>Journal of the American Society for Mass Spectrometry</i> , <b>2000</b> , 11, 951-60.	3.5	41
48	Enhancement of CsNO <sub>3</sub> extraction in 1,2-dichloroethane by tris(2-aminoethyl)amine triamide derivatives via a dual-host strategy. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 5258-64	7.8	58
47	Electrochemically modulated preconcentration and matrix elimination for organic analytes coupled on-line with electrospray mass spectrometry. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 2066-74	7.8	25
46	Ferrocene-based electroactive derivatizing reagents for the rapid selective screening of alcohols and phenols in natural product mixtures using electrospray-tandem mass spectrometry. <i>Journal of Natural Products</i> , <b>2000</b> , 63, 230-7	4.9	37
45	Electrochemically modulated liquid chromatography coupled on-line with electrospray mass spectrometry. <i>Analytical Chemistry</i> , <b>2000</b> , 72, 2641-7	7.8	33
44	A Thin-Layer Electrochemical Flow Cell Coupled On-Line with Electrospray-Mass Spectrometry for the Study of Biological Redox Reactions. <i>Electroanalysis</i> , <b>1999</b> , 11, 857-865	3	90
43	Investigation of the Electrospray Plume by Laser-Induced Fluorescence Spectroscopy. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 769-776	7.8	52
42	Electrochemical polymerization of aniline investigated using on-line electrochemistry/electrospray mass spectrometry. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4284-93	7.8	72



41	Computational Simulation of Redox Reactions within a Metal Electrospray Emitter. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 5288-96	7.8	50
40	Electrochemical sample pretreatment coupled on-line with electrospray mass spectrometry for enhanced elemental analysis. <i>Rapid Communications in Mass Spectrometry</i> , <b>1998</b> , 12, 1644-1652	2.2	27
39	Electrospray mass spectrometry and UV/visible spectrophotometry studies of aluminum(III)flavonoid complexes. <i>Journal of Mass Spectrometry</i> , <b>1998</b> , 33, 1080-1087	2.2	63
38	Electrochemical Sample Pretreatment Coupled On-Line with ICP-MS: Analysis of Uranium Using an Anodically Conditioned Glassy Carbon Working Electrode. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 1141-1148	7.8	34
37	Electrolytic corrosion of a stainless-steel electrospray emitter monitored using an electrosprayphotodiode array system. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 603-607	3.7	28
36	Derivatization for electrospray ionization mass spectrometry. 3. Electrochemically ionizable derivatives. <i>Analytical Chemistry</i> , <b>1998</b> , 70, 1544-54	7.8	147
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33	Changes in bulk solution pH caused by the inherent controlled-current electrolytic process of an electrospray ion source. <i>International Journal of Mass Spectrometry and Ion Processes</i> , <b>1997</b> , 162, 55-67		171
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31	Observation of gas-phase molecular dications formed from neutral organics in solution via the controlled-current electrolytic process inherent to electrospray. <i>Journal of the American Society for Mass Spectrometry</i> , <b>1996</b> , 7, 157-62	3.5	44
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21	Ion trap mass spectrometry. Using high-pressure ionization. <i>Analytical Chemistry</i> , <b>1994</b> , 66, 737A-743A	7.8	59
20	Geoporphyrin analysis using electrospray ionization-mass spectrometry. <i>Energy &amp; Fuels</i> , <b>1993</b> , 7, 411-419	4.1	32
19	Gas chromatography-tandem mass spectrometry implemented on a bench-top quadrupole ion trap-based instrument using random noise to effect collision-induced dissociation. <i>Analytica Chimica Acta</i> , <b>1993</b> , 277, 41-54	6.6	9
18	Electrochemical origin of radical cations observed in electrospray ionization mass spectra. <i>Analytical Chemistry</i> , <b>1992</b> , 64, 1586-1593	7.8	259
17	Multiple stages of mass spectrometry in a quadrupole ion trap mass spectrometer: prerequisites. <i>International Journal of Mass Spectrometry and Ion Processes</i> , <b>1991</b> , 106, 213-235		68
16	Tabulation of exact masses and comparison of isotope patterns expected for geoporphyrin molecular ions in electron ionization mass spectra. <i>Applied Geochemistry</i> , <b>1991</b> , 6, 105-117	3.5	2
15	Preforming ions in solution via charge-transfer complexation for analysis by electrospray ionization mass spectrometry. <i>Analytical Chemistry</i> , <b>1991</b> , 63, 2064-2068	7.8	63
14	Ion spray liquid chromatography/ion trap mass spectrometry determination of biomolecules. <i>Analytical Chemistry</i> , <b>1991</b> , 63, 375-383	7.8	86
13	Charge determination of product ions formed from collision-induced dissociation of multiply protonated molecules via ion/molecule reactions. <i>Analytical Chemistry</i> , <b>1991</b> , 63, 1971-8	7.8	95
12	The Henryville bed of the New Albany shaleIII: Tandem mass spectrometric analyses of geoporphyrins from the bitumen and kerogen. <i>Organic Geochemistry</i> , <b>1991</b> , 17, 93-105	3.1	19
11	Electrospray ionization of porphyrins using a quadrupole ion trap for mass analysis. <i>Analytical Chemistry</i> , <b>1991</b> , 63, 1098-1109	7.8	144
10	Ion isolation and sequential stages of mass spectrometry in a quadrupole ion trap mass spectrometer. <i>International Journal of Mass Spectrometry and Ion Processes</i> , <b>1990</b> , 96, 117-137		129
9	Reactions of dimethylamine with multiply charged ions of cytochrome c. <i>Journal of the American Chemical Society</i> , <b>1990</b> , 112, 5668-5670	16.4	161
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7	Electrospray ionization combined with ion trap mass spectrometry. <i>Analytical Chemistry</i> , <b>1990</b> , 62, 1284-1295	7.8	215
6	High-pressure ammonia chemical ionization mass spectrometry and mass spectrometry/mass spectrometry for porphyrin structure determination. <i>Energy &amp; Fuels</i> , <b>1990</b> , 4, 720-729	4.1	7

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