

Dietrich A Volmer

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.

189
papers

5,427
citations

40
h-index

64
g-index

205
ext. papers

6,039
ext. citations

3.8
avg, IF

6.08
L-index

#	Paper	IF	Citations
189	Fluorescence and molecular signatures of dissolved organic matter to monitor and assess its multiple sources from a polluted river in the farming-pastoral ecotone of northern China.. <i>Science of the Total Environment</i> , 2022 , 154575	10.2	1
188	Analytical considerations for accurately capturing the relevant species contributing to vitamin D status in liquid chromatography-tandem mass spectrometry assays. <i>Analytical Science Advances</i> , 2022 , 3, 14-20	1.1	0
187	Overestimation of 3β-over 3α-Hydroxyvitamin D Levels in Serum: A Mechanistic Rationale for the Different Mass Spectral Properties of the Vitamin D Epimers. <i>Journal of the American Society for Mass Spectrometry</i> , 2021 , 32, 1116-1125	3.5	1
186	First insights into chlorhexidine retention in the oral cavity after application of different regimens. <i>Clinical Oral Investigations</i> , 2021 , 25, 6109-6118	4.2	1
185	Quantitative Analysis of Pharmaceutical Drugs Using a Combination of Acoustic Levitation and High Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2021 , 93, 6019-6024	7.8	3
184	Online Liquid Chromatography and FT-ICR MS Enable Advanced Separation and Profiling of Organosulfates in Dissolved Organic Matter. <i>ACS ES&T Water</i> , 2021 , 1, 1975-1982		3
183	Quadrupole detection FT-ICR mass spectrometry offers deep profiling of residue oil: A systematic comparison of 27 Tesla versus 15 Tesla instruments. <i>Analytical Science Advances</i> , 2021 , 2, 272-278	1.1	3
182	Characterization of Lignin Compounds at the Molecular Level: Mass Spectrometry Analysis and Raw Data Processing. <i>Molecules</i> , 2021 , 26,	4.8	5
181	Mass spectrometry-based methods for the advanced characterization and structural analysis of lignin: A review. <i>Mass Spectrometry Reviews</i> , 2021 ,	11	3
180	Editorial for special issue: Metabolomics in India. <i>Analytical Science Advances</i> , 2021 , 2, 495-496	1.1	
179	Analysis of natural organic matter via fourier transform ion cyclotron resonance mass spectrometry: an overview of recent non-petroleum applications. <i>Mass Spectrometry Reviews</i> , 2020 ,	11	13
178	Influence of core size and capping ligand of gold nanoparticles on the desorption/ionization efficiency of small biomolecules in AP-SALDI-MS. <i>Analytical Science Advances</i> , 2020 , 1, 210-220	1.1	4
177	Assessment of molecular diversity of lignin products by various ionization techniques and high-resolution mass spectrometry. <i>Science of the Total Environment</i> , 2020 , 713, 136573	10.2	23
176	Ultrathin Homogenous AuNP Monolayers as Tunable Functional Substrates for Surface-Assisted Laser Desorption/Ionization of Small Biomolecules. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 47-57	3.5	2
175	Determination of chlorhexidine retention in different oral sites using matrix-assisted laser desorption/ionization-time of flight mass spectrometry. <i>Archives of Oral Biology</i> , 2020 , 110, 104623	2.8	6
174	Influence of core size and capping ligand of gold nanoparticles on the desorption/ionization efficiency of small biomolecules in AP-SALDI-MS. <i>Analytical Science Advances</i> , 2020 , 1, 209-209	1.1	0
173	Meet the Editors-in-Chief. <i>Analytical Science Advances</i> , 2020 , 1, 6	1.1	

172	A simple MALDI target plate with channel design to improve detection sensitivity and reproducibility for quantitative analysis of biomolecules. <i>Journal of Mass Spectrometry</i> , 2019 , 54, 878-884 ^{2,2}	2.2	2
171	Using differential ion mobility spectrometry to perform class-specific ion-molecule reactions of 4-quinolones with selected chemical reagents. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6247-6253 ^{4,4}	4.4	1
170	Rapid mass spectral fingerprinting of complex mixtures of decomposed lignin: Data-processing methods for high-resolution full-scan mass spectra. <i>Rapid Communications in Mass Spectrometry</i> , 2019 , 33 Suppl 1, 2-10	2.2	12
169	Chemical diversity of lignin degradation products revealed by matrix-optimized MALDI mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 6031-6037	4.4	16
168	Spatial and molecular changes of mouse brain metabolism in response to immunomodulatory treatment with teriflunomide as visualized by MALDI-MSI. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 353-365	4.4	10
167	Rapid Quantification of 25-Hydroxyvitamin D in Human Serum by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 1456-1462	3.5	12
166	MALDI Mass Spectral Imaging of Bile Acids Observed as Deprotonated Molecules and Proton-Bound Dimers from Mouse Liver Sections. <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 711-722	3.5	8
165	Lenalidomide enhances MOR202-dependent macrophage-mediated effector functions via the vitamin D pathway. <i>Leukemia</i> , 2018 , 32, 2445-2458	10.7	23
164	Mass spectrometric studies on selective androgen receptor modulators (SARMs) using electron ionization and electrospray ionization/collision-induced dissociation. <i>European Journal of Mass Spectrometry</i> , 2018 , 24, 145-156	1.1	18
163	Electrochemical Lignin Degradation in Ionic Liquids on Ternary Mixed Metal Electrodes. <i>Zeitschrift Fur Physikalische Chemie</i> , 2018 , 232, 189-208	3.1	23
162	Analytical Methods for Quantification of Vitamin D and Implications for Research and Clinical Practice. <i>Anticancer Research</i> , 2018 , 38, 1137-1144	2.3	16
161	Determination of Urinary Metabolites of the Emerging UV Filter Octocrylene by Online-SPE-LC-MS/MS. <i>Analytical Chemistry</i> , 2018 , 90, 944-951	7.8	21
160	Toward Higher Sensitivity in Quantitative MALDI Imaging Mass Spectrometry of CNS Drugs Using a Nonpolar Matrix. <i>Analytical Chemistry</i> , 2018 , 90, 12592-12600	7.8	12
159	Electron-based fragmentation methods in mass spectrometry: An overview. <i>Mass Spectrometry Reviews</i> , 2017 , 36, 4-15	11	35
158	Novel Mixed-Mode Stationary Phases for Chromatographic Separation of Complex Mixtures of Decomposed Lignin. <i>ChemistrySelect</i> , 2017 , 2, 779-786	1.8	8
157	Janus kinase inhibitors display broad anti-itch properties: A possible link through the TRPV1 receptor. <i>Journal of Allergy and Clinical Immunology</i> , 2017 , 140, 306-309.e3	11.5	25
156	Direct aqueous measurement of 25-hydroxyvitamin D levels in a cellular environment by LC-MS/MS using the novel chemical derivatization reagent MDBP. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 2705-2714	4.4	2
155	Exploring the potential of high resolution mass spectrometry for the investigation of lignin-derived phenol substitutes in phenolic resin syntheses. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 3441-3451 ^{4,4}	4.4	5

154	Structural characterization of pyoverdines produced by <i>Pseudomonas putida</i> KT2440 and <i>Pseudomonas taiwanensis</i> VLB120. <i>BioMetals</i> , 2017 , 30, 589-597	3.4	7
153	On the physicochemical and surface properties of 1-alkyl 3-methylimidazolium bis(nonafluorobutylsulfonyl)imide ionic liquids. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 529, 169-177	5.1	7
152	Quantification of low molecular weight compounds by MALDI imaging mass spectrometry - A tutorial review. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017 , 1865, 726-739	4	76
151	Quantification of the 3 β and 3 α epimers of 25-hydroxyvitamin D in dried blood spots by LC-MS/MS using artificial whole blood calibration and chemical derivatization. <i>Talanta</i> , 2017 , 165, 398-404	6.2	13
150	Activation of Reactive MALDI Adduct Ions Enables Differentiation of Dihydroxylated Vitamin D Isomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 2532-2537	3.5	3
149	Rapid fingerprinting of lignin by ambient ionization high resolution mass spectrometry and simplified data mining. <i>Analytica Chimica Acta</i> , 2017 , 994, 38-48	6.6	11
148	Sustainable Electrochemical Depolymerization of Lignin in Reusable Ionic Liquids. <i>Scientific Reports</i> , 2017 , 7, 5041	4.9	49
147	Determination of Titratable Acidity in Wine Using Potentiometric, Conductometric, and Photometric Methods. <i>Journal of Chemical Education</i> , 2017 , 94, 1296-1302	2.4	15
146	Synthesis of Low Abundant Vitamin D Metabolites and Assaying Their Distribution in Human Serum by Liquid Chromatography-Tandem Mass Spectrometry (LC-MS/MS) as a New Tool for Diagnosis and Risk Prediction of Vitamin D Related Diseases 2017 ,		2
145	Application of phase correction to improve the characterization of photooxidation products of lignin using 7 Tesla Fourier-transform ion cyclotron resonance mass spectrometry. <i>Facets</i> , 2017 , 2, 461-473	2.3	10
144	Vitamin D supplementation reduces depressive symptoms in patients with chronic liver disease. <i>Clinical Nutrition</i> , 2016 , 35, 950-7	5.9	30
143	Real Time Monitoring of Containerless Microreactions in Acoustically Levitated Droplets via Ambient Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2016 , 88, 8396-403	7.8	56
142	Two-dimensional mass defect matrix plots for mapping genealogical links in mixtures of lignin depolymerisation products. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4835-43	4.4	40
141	Assessment of 3-epi-25-hydroxyvitamin D levels during cholecalciferol supplementation in adults with chronic liver diseases. <i>Applied Physiology, Nutrition and Metabolism</i> , 2016 , 41, 1311-1317	3	5
140	Shedding light on the structures of lignin compounds: photo-oxidation under artificial UV light and characterization by high resolution mass spectrometry. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 8203-8210	4.4	28
139	Chemotyping the distribution of vitamin D metabolites in human serum. <i>Scientific Reports</i> , 2016 , 6, 21080	4.9	23
138	Monofluorination and Trifluoromethylation of BODIPY Dyes for Prolonged Single-Molecule Detection. <i>ChemPhysChem</i> , 2016 , 17, 433-42	3.2	7
137	Monitoring the Authenticity of Organic Grape Juice via Chemometric Analysis of Elemental Data. <i>Food Analytical Methods</i> , 2016 , 9, 362-369	3.4	13

136	p-Coumaric acid, a novel and effective biomarker for quantifying hypoxic stress by HILIC-ESI-MS. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016 , 1020, 6-13	3.2	10
135	Enhanced Mass Defect Filtering To Simplify and Classify Complex Mixtures of Lignin Degradation Products. <i>Analytical Chemistry</i> , 2016 , 88, 1328-35	7.8	42
134	Structural analysis of small to medium-sized molecules by mass spectrometry after electron-ion fragmentation (ExD) reactions. <i>Analyst, The</i> , 2016 , 141, 794-806	5	20
133	Rapid Screening of Carboxylic Acids from Waste and Surface Waters by ESI-MS/MS Using Barium Ion Chemistry and On-Line Membrane Sampling. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 443-50	3.5	18
132	Tocotrienol Affects Oxidative Stress, Cholesterol Homeostasis and the Amyloidogenic Pathway in Neuroblastoma Cells: Consequences for Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	29
131	Triple Quadrupole Versus High Resolution Quadrupole-Time-of-Flight Mass Spectrometry for Quantitative LC-MS/MS Analysis of 25-Hydroxyvitamin D in Human Serum. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1404-10	3.5	16
130	Characterization of the iron-binding properties of pyoverdine using electron-capture dissociation-tandem mass spectrometry. <i>BioMetals</i> , 2016 , 29, 53-60	3.4	1
129	How to prepare a manuscript fit-for-purpose for submission and avoid getting a 'desk-reject'. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 2573-2576	2.2	3
128	Influence of surface melting effects and availability of reagent ions on LDI-MS efficiency after UV laser irradiation of Pd nanostructures. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 578-85	2.2	27
127	Impact of analyte ablation and surface acidity of Pd nanoparticles on efficiency of surface-assisted laser desorption/ionization-mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2015 , 387, 24-30	1.9	6
126	Determining the Binding Sites of β -Cyclodextrin and Peptides by Electron-Capture Dissociation High Resolution Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1143-9	3.5	12
125	Comparison of CYP106A1 and CYP106A2 from <i>Bacillus megaterium</i> - identification of a novel 11-oxidase activity. <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 8495-514	5.7	19
124	Determining fatty acids by desorption/ionization mass spectrometry using thin-layer chromatography substrates. <i>Analytical and Bioanalytical Chemistry</i> , 2015 , 407, 4513-22	4.4	10
123	Mass spectrometric profiling of vitamin D metabolites beyond 25-hydroxyvitamin D. <i>Clinical Chemistry</i> , 2015 , 61, 1033-48	5.5	45
122	Aggression behaviour induced by oral administration of the Janus-kinase inhibitor tofacitinib, but not oclacitinib, under stressful conditions. <i>European Journal of Pharmacology</i> , 2015 , 764, 278-282	5.3	16
121	Evaluation of macro- and microelement levels for verifying the authenticity of organic eggs by using chemometric techniques. <i>Analytical Methods</i> , 2015 , 7, 2577-2584	3.2	10
120	Analysis of fatty acids and triacylglycerides by Pd nanoparticle-assisted laser desorption/ionization mass spectrometry. <i>Analytical Methods</i> , 2015 , 7, 3701-3707	3.2	13
119	Sorption of hydrophilic dyes on anodic aluminium oxide films and application to pH sensing. <i>Analyst, The</i> , 2015 , 140, 771-8	5	10

118	On the isobaric space of 25-hydroxyvitamin D in human serum: potential for interferences in liquid chromatography/tandem mass spectrometry, systematic errors and accuracy issues. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 1-9	2.2	34
117	Magnetic beads as an extraction medium for simultaneous quantification of acetaminophen and structurally related compounds in human serum. <i>Drug Testing and Analysis</i> , 2015 , 7, 457-66	3.5	4
116	Seven new microcystin variants discovered from a native <i>Microcystis aeruginosa</i> strain--unambiguous assignment of product ions by tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 220-4	2.2	34
115	Letter: β -Cyclodextrin affects the formation of isomerization products during peptide deamidation. <i>European Journal of Mass Spectrometry</i> , 2015 , 21, 701-5	1.1	5
114	Fragmentation patterns of boron-dipyrromethene (BODIPY) dyes by electrospray ionization high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 885-90 ²	2.2	3
113	Highly Efficient CYP167A1 (EpoK) dependent Epothilone B Formation and Production of 7-Ketone Epothilone D as a New Epothilone Derivative. <i>Scientific Reports</i> , 2015 , 5, 14881	4.9	19
112	Structural characterization of a degradation product of rocuronium using nanoelectrospray-high resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2015 , 7, 773-9	3.5	1
111	Simultaneous quantification of digoxin, digitoxin, and their metabolites in serum using high performance liquid chromatography-tandem mass spectrometry. <i>Drug Testing and Analysis</i> , 2015 , 7, 937-46 ^{3,5}	3.5	9
110	Electron-capture dissociation for investigating host/guest complexes of 18-crown-6-ether and peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 2316-8	2.2	5
109	A simple micro-extraction plate assay for automated LC-MS/MS analysis of human serum 25-hydroxyvitamin D levels. <i>Journal of Mass Spectrometry</i> , 2015 , 50, 275-9	2.2	17
108	Silica, Hybrid Silica, Hydride Silica and Non-Silica Stationary Phases for Liquid Chromatography. Part II: Chemical and Thermal Stability. <i>Journal of Chromatographic Science</i> , 2015 , 53, 1107-22	1.4	14
107	Differential distribution of probenecid as detected by on-tissue mass spectrometry. <i>Cell and Tissue Research</i> , 2015 , 360, 427-9	4.2	5
106	Analysis of vitamin D metabolic markers by mass spectrometry: current techniques, limitations of the "gold standard" method, and anticipated future directions. <i>Mass Spectrometry Reviews</i> , 2015 , 34, 2-23	11	76
105	Rapid quantification of digitoxin and its metabolites using differential ion mobility spectrometry-tandem mass spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 2121-8	7.8	15
104	Two-color emissive probes for click reactions. <i>Chemical Communications</i> , 2014 , 50, 12694-7	5.8	17
103	Recent advances in sample preparation techniques to overcome difficulties encountered during quantitative analysis of small molecules from biofluids using LC-MS/MS. <i>Analyst, The</i> , 2014 , 139, 2265-76 ⁵	7.5	172
102	Screening Dyrk1A inhibitors by MALDI-QqQ mass spectrometry: systematic comparison to established radiometric, luminescence, and LC-UV-MS assays. <i>Analytical and Bioanalytical Chemistry</i> , 2014 , 406, 2841-52	4.4	3
101	Novel galvanic nanostructures of Ag and Pd for efficient laser desorption/ionization of low molecular weight compounds. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 841-51	3.5	34

100	Detailed study of cyanobacterial microcystins using high performance tandem mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1253-62	3.5	16
99	Description of gas-phase ion/neutral interactions in differential ion mobility spectrometry: CV prediction using calibration runs. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1610-21	3.5	17
98	The role of physical and chemical properties of Pd nanostructured materials immobilized on inorganic carriers on ion formation in atmospheric pressure laser desorption/ionization mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014 , 49, 468-80	2.2	16
97	Account: characterization and identification of microcystins by mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014 , 20, 1-19	1.1	26
96	Simultaneous quantification of acetaminophen and structurally related compounds in human serum and plasma. <i>Drug Testing and Analysis</i> , 2014 , 6, 451-60	3.5	10
95	Principles of high-resolution MS 2014 , 6-20		
94	Decay mechanisms of protonated 4-quinolone antibiotics after electrospray ionization and ion activation. <i>Journal of the American Society for Mass Spectrometry</i> , 2014 , 25, 1974-86	3.5	16
93	Growth and microcystin production of a Brazilian <i>Microcystis aeruginosa</i> strain (LTPNA 02) under different nutrient conditions. <i>Revista Brasileira De Farmacognosia</i> , 2014 , 24, 389-398	2	25
92	Dr Leslie J. C. Bluck (1956-2014). <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 1777-8	2.2	
91	Comprehensive quantitative determination of PUFA-related bioactive lipids for functional lipidomics using high-resolution mass spectrometry. <i>Methods in Molecular Biology</i> , 2014 , 1198, 221-32	1.4	8
90	Nanostructured solid substrates for efficient laser desorption/ionization mass spectrometry (LDI-MS) of low molecular weight compounds. <i>Analyst, The</i> , 2013 , 138, 7053-65	5	63
89	Comprehensive analysis of Ginkgo tablets by easy ambient sonic spray ionization mass spectrometry. <i>Canadian Journal of Chemistry</i> , 2013 , 91, 671-678	0.9	6
88	Lipid imaging by mass spectrometry - a review. <i>Analyst, The</i> , 2013 , 138, 1289-315	5	166
87	Vitamin D in chronic liver disease. <i>Liver International</i> , 2013 , 33, 338-52	7.9	101
86	A novel magnet focusing plate for matrix-assisted laser desorption/ionization analysis of magnetic bead-bound analytes. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 1011-8	2.2	4
85	The analytical determination of isoprenoid intermediates from the mevalonate pathway. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 402, 671-85	4.4	16
84	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. <i>FASEB Journal</i> , 2012 , 26, 5081-91	0.9	19
83	Micro- and nanostructures and their application in gas chromatography. <i>Analyst, The</i> , 2012 , 137, 3195-201	5	10

82	Quantitation of intracellular purine intermediates in different Corynebacteria using electrospray LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2295-305	4.4	13
81	Metabolic engineering of the purine biosynthetic pathway in <i>Corynebacterium glutamicum</i> results in increased intracellular pool sizes of IMP and hypoxanthine. <i>Microbial Cell Factories</i> , 2012 , 11, 138	6.4	16
80	Electro-catalytic oxidative cleavage of lignin in a protic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 5214-21	3.6	89
79	Dispelling the myths surrounding the Research Excellence Framework. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 399-402	2.2	1
78	Development of an electrospray LC-MS/MS method for quantification of (D)-tetrahydrocannabinol and its main metabolite in oral fluid. <i>Drug Testing and Analysis</i> , 2012 , 4, 668-74	3.5	10
77	Recent instrumental progress in mass spectrometry: advancing resolution, accuracy, and speed of drug detection. <i>Drug Testing and Analysis</i> , 2012 , 4, 242-5	3.5	20
76	Rapid narrow band elution for on-line SPE using a novel solvent plug injection technique. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 433-45	4.4	8
75	Isotopic labeling of metabolites in drug discovery applications. <i>Current Drug Metabolism</i> , 2012 , 13, 1213-25	3.5	18
74	Intriguing differences in the gas-phase dissociation behavior of protonated and deprotonated gonyautoxin epimers. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 2011-20	3.5	12
73	Dissociation of deprotonated microcystin variants by collision-induced dissociation following electrospray ionization. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 1981-92	2.2	14
72	Comprehensive lipidomics analysis of bioactive lipids in complex regulatory networks. <i>Analytical Chemistry</i> , 2010 , 82, 8176-85	7.8	80
71	Quantitative determination of vitamin D metabolites in plasma using UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 779-89	4.4	122
70	A rapid and sensitive assay for determining human brain levels of farnesyl-(FPP) and geranylgeranylpyrophosphate (GGPP) and transferase activities using UHPLC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2010 , 398, 1801-8	4.4	20
69	Regulation of the brain isoprenoids farnesyl- and geranylgeranylpyrophosphate is altered in male Alzheimer patients. <i>Neurobiology of Disease</i> , 2009 , 35, 251-7	7.5	93
68	From differentiating metabolites to biomarkers. <i>Analytical and Bioanalytical Chemistry</i> , 2009 , 394, 663-70	4.4	87
67	High-resolution extracted ion chromatography, a new tool for metabolomics and lipidomics using a second-generation orbitrap mass spectrometer. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 1411-8	2.2	78
66	Comparative high-speed profiling of carboxylic acid metabolite levels by differential isotope-coded MALDI mass spectrometry. <i>Analytical Chemistry</i> , 2009 , 81, 7544-51	7.8	20
65	Effect of acute inflammatory brain injury on accumulation of morphine and morphine 3- and 6-glucuronide in the human brain. <i>Critical Care Medicine</i> , 2009 , 37, 2767-74	1.4	28

64	Perspectives for Metabolomics in Human Nutrition: An Overview. <i>Nutrition Bulletin</i> , 2008 , 33, 324-330	3.5	17
63	Metabolism of boswellic acids in vitro and in vivo. <i>Drug Metabolism and Disposition</i> , 2008 , 36, 1135-42	4	85
62	Quantitative analysis of antiretroviral drugs in lysates of peripheral blood mononuclear cells using MALDI-triple quadrupole mass spectrometry. <i>Analytical Chemistry</i> , 2008 , 80, 4969-75	7.8	36
61	Isoprenoid quantitation in human brain tissue: a validated HPLC-fluorescence detection method for endogenous farnesyl- (FPP) and geranylgeranylpyrophosphate (GGPP). <i>Analytical and Bioanalytical Chemistry</i> , 2008 , 392, 673-80	4.4	28
60	Plasma free fatty acid profiling in a fish oil human intervention study using ultra-performance liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008 , 22, 2125-33	2.2	43
59	Comparison of MALDI to ESI on a triple quadrupole platform for pharmacokinetic analyses. <i>Analytical Chemistry</i> , 2007 , 79, 9000-6	7.8	46
58	Infrared multiphoton dissociation of the siderophore enterobactin and its Fe(III) complex. Influence of Fe(III) binding on dissociation kinetics and relative energetics. <i>Journal of the American Society for Mass Spectrometry</i> , 2007 , 18, 632-41	3.5	6
57	Different iron-chelating properties of pyochelin diastereoisomers revealed by LC/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2006 , 385, 606-11	4.4	12
56	Dedication to Dr. Robert Boyd. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 1492-6	2.2	1
55	Assessing the properties of internal standards for quantitative matrix-assisted laser desorption/ionization mass spectrometry of small molecules. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 1517-24	2.2	60
54	Mass spectral characterization of phloroglucinol derivatives hyperforin and adhyperforin. <i>Rapid Communications in Mass Spectrometry</i> , 2006 , 20, 2641-8	2.2	6
53	Dissociation reactions of protonated anthracycline antibiotics following electrospray ionization-tandem mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2006 , 255-256, 130-138 ¹⁹	1.9	18
52	Periodicity in collision-induced and remote-bond activation of alkali metal ions attached to polyether ionophores. <i>Analyst, The</i> , 2005 , 130, 508-13	5	15
51	Toxin screening in phytoplankton: detection and quantitation using MALDI triple quadrupole mass spectrometry. <i>Analytical Chemistry</i> , 2005 , 77, 1509-17	7.8	57
50	Assigning product ions from complex MS/MS spectra: the importance of mass uncertainty and resolving power. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 183-98	3.5	64
49	A comparison of data analysis methods for determining gas phase stabilities by CID: alkali metal complexes of polyether ionophore antibiotics. <i>Journal of the American Society for Mass Spectrometry</i> , 2005 , 16, 779-91	3.5	25
48	Modern drug discovery and the progression toward a universal mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2005 , 381, 90-2	4.4	4
47	Rapid identification of siderophores by combined thin-layer chromatography/matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 711-20 ^{2.2}	2.2	23

46	Some fundamental and technical aspects of the quantitative analysis of pharmaceutical drugs by matrix-assisted laser desorption/ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2005 , 19, 1928-36	2.2	96
45	Structural study of spirolide marine toxins by mass spectrometry. Part II. Mass spectrometric characterization of unknown spirolides and related compounds in a cultured phytoplankton extract. <i>Analytical and Bioanalytical Chemistry</i> , 2004 , 378, 977-86	4.4	40
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