

Dietrich A Volmer

List of Publications by Year in descending order

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205
papers

6,696
citations

66343

42
h-index

91884

69
g-index

208
all docs

208
docs citations

208
times ranked

7724
citing authors

#	ARTICLE	IF	CITATIONS
1	Mass spectrometry-based methods for the advanced characterization and structural analysis of lignin: A review. <i>Mass Spectrometry Reviews</i> , 2023, 42, 144-188.	5.4	35
2	Analysis of vitamin D metabolic markers by mass spectrometry: Recent progress regarding the "gold standard" method and integration into clinical practice. <i>Mass Spectrometry Reviews</i> , 2023, 42, 1647-1687.	5.4	19
3	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> , 2022, 41, 647-661.	5.4	36
4	Constellation: An Open-Source Web Application for Unsupervised Systematic Trend Detection in High-Resolution Mass Spectrometry Data. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 382-389.	2.8	8
5	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, 837, 154575.	8.0	17
6	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.	2.8	2
7	Differentiation of Dihydroxylated Vitamin D ₃ Isomers Using Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, , .	2.8	0
8	Sample preparation techniques for extraction of vitamin D metabolites from non-conventional biological sample matrices prior to LC-MS/MS analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4613-4632.	3.7	14
9	Deciphering dissolved organic matter by Fourier transform ion cyclotron resonance mass spectrometry (FT-ICR MS): from bulk to fractions and individuals. , 2022, 1, .		49
10	Quadrupole detection FT-ICR mass spectrometry offers deep profiling of residue oil: A systematic comparison of 7 Tesla versus 15 Tesla instruments. <i>Analytical Science Advances</i> , 2021, 2, 272-278.	2.8	4
11	Characterization of Lignin Compounds at the Molecular Level: Mass Spectrometry Analysis and Raw Data Processing. <i>Molecules</i> , 2021, 26, 178.	3.8	16
12	Overestimation of 3 β - over 3 β - <i>25</i> -Hydroxyvitamin D ₃ 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.	2.8	6
13	First insights into chlorhexidine retention in the oral cavity after application of different regimens. <i>Clinical Oral Investigations</i> , 2021, 25, 6109-6118.	3.0	8
14	Quantitative Analysis of Pharmaceutical Drugs Using a Combination of Acoustic Levitation and High Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 6019-6024.	6.5	9
15	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.	4.6	15
16	Editorial for special issue: Metabolomics in India. <i>Analytical Science Advances</i> , 2021, 2, 495-496.	2.8	0
17	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.	2.8	4
18	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.	1.8	10

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19	Influence of core size and capping ligand of gold nanoparticles on the desorption/ionization efficiency of small biomolecules in AP ⁺ -MALDI-MS. Analytical Science Advances, 2020, 1, 209-209.	2.8	1
20	Meet the Editors-in-Chief. Analytical Science Advances, 2020, 1, 6.	2.8	0
21	Art in science initiative. Analytical Science Advances, 2020, 1, 203-204.	2.8	1
22	Introducing Analytical Science Advances. Analytical Science Advances, 2020, 1, 1-1.	2.8	0
23	Influence of core size and capping ligand of gold nanoparticles on the desorption/ionization efficiency of small biomolecules in AP ⁺ -MALDI-MS. Analytical Science Advances, 2020, 1, 210-220.	2.8	5
24	Assessment of molecular diversity of lignin products by various ionization techniques and high-resolution mass spectrometry. Science of the Total Environment, 2020, 713, 136573.	8.0	42
25	Rapid mass spectral fingerprinting of complex mixtures of decomposed lignin: Data processing methods for high-resolution full-scan mass spectra. Rapid Communications in Mass Spectrometry, 2019, 33, 2-10.	1.5	14
26	Chemical diversity of lignin degradation products revealed by matrix-optimized MALDI mass spectrometry. Analytical and Bioanalytical Chemistry, 2019, 411, 6031-6037.	3.7	26
27	A simple MALDI target plate with channel design to improve detection sensitivity and reproducibility for quantitative analysis of biomolecules. Journal of Mass Spectrometry, 2019, 54, 878-884.	1.6	2
28	Using differential ion mobility spectrometry to perform class-specific ion-molecule reactions of 4-quinolones with selected chemical reagents. Analytical and Bioanalytical Chemistry, 2019, 411, 6247-6253.	3.7	1
29	Spatial and molecular changes of mouse brain metabolism in response to immunomodulatory treatment with teriflunomide as visualized by MALDI-MSI. Analytical and Bioanalytical Chemistry, 2019, 411, 353-365.	3.7	17
30	1 st European Mass Spectrometry Conference (EMSC). Rapid Communications in Mass Spectrometry, 2019, 33, 1-1.	1.5	0
31	Rapid Quantification of 25-Hydroxyvitamin D ₃ in Human Serum by Matrix-Assisted Laser Desorption/Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2018, 29, 1456-1462.	2.8	17
32	MALDI Mass Spectral Imaging of Bile Acids Observed as Deprotonated Molecules and Proton-Bound Dimers from Mouse Liver Sections. Journal of the American Society for Mass Spectrometry, 2018, 29, 711-722.	2.8	14
33	Lenalidomide enhances MOR202-dependent macrophage-mediated effector functions via the vitamin D pathway. Leukemia, 2018, 32, 2445-2458.	7.2	36
34	Mass spectrometric studies on selective androgen receptor modulators (SARMs) using electron ionization and electrospray ionization/collision-induced dissociation. European Journal of Mass Spectrometry, 2018, 24, 145-156.	1.0	22
35	Electrochemical Lignin Degradation in Ionic Liquids on Ternary Mixed Metal Electrodes. Zeitschrift Fur Physikalische Chemie, 2018, 232, 189-208.	2.8	42
36	Determination of Urinary Metabolites of the Emerging UV Filter Octocrylene by Online-SPE-LC-MS/MS. Analytical Chemistry, 2018, 90, 944-951.	6.5	36

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37	Toward Higher Sensitivity in Quantitative MALDI Imaging Mass Spectrometry of CNS Drugs Using a Nonpolar Matrix. <i>Analytical Chemistry</i> , 2018, 90, 12592-12600.	6.5	20
38	Meet the Editors: Dietrich A. Volmer. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1316-1317.	1.5	0
39	Analytical Methods for Quantification of Vitamin D and Implications for Research and Clinical Practice. <i>Anticancer Research</i> , 2018, 38, 1137-1144.	1.1	21
40	Electron-based fragmentation methods in mass spectrometry: An overview. <i>Mass Spectrometry Reviews</i> , 2017, 36, 4-15.	5.4	44
41	Novel Mixed-Mode Stationary Phases for Chromatographic Separation of Complex Mixtures of Decomposed Lignin. <i>ChemistrySelect</i> , 2017, 2, 779-786.	1.5	9
42	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.	2.9	35
43	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.	3.7	5
44	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.	3.7	10
45	Structural characterization of pyoverdines produced by <i>Pseudomonas putida</i> KT2440 and <i>Pseudomonas taiwanensis</i> VLB120. <i>BioMetals</i> , 2017, 30, 589-597.	4.1	14
46	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.	4.7	7
47	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.	2.3	102
48	Quantification of the 3 ¹ and 3 ² epimers of 25-hydroxyvitamin D ₃ in dried blood spots by LC-MS/MS using artificial whole blood calibration and chemical derivatization. <i>Talanta</i> , 2017, 165, 398-404.	5.5	20
49	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.	2.8	8
50	Rapid fingerprinting of lignin by ambient ionization high resolution mass spectrometry and simplified data mining. <i>Analytica Chimica Acta</i> , 2017, 994, 38-48.	5.4	16
51	Sustainable Electrochemical Depolymerization of Lignin in Reusable Ionic Liquids. <i>Scientific Reports</i> , 2017, 7, 5041.	3.3	73
52	Determination of Titratable Acidity in Wine Using Potentiometric, Conductometric, and Photometric Methods. <i>Journal of Chemical Education</i> , 2017, 94, 1296-1302.	2.3	30
53	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, , .		3
54	Application of phase correction to improve the characterization of photooxidation products of lignin using 7T Tesla Fourier-transform ion cyclotron resonance mass spectrometry. <i>Facets</i> , 2017, 2, 461-475.	2.4	12

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55	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, 1809.	4.1	35
56	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, 1404-1410.	2.8	29
57	Characterization of the iron-binding properties of pyoverdine using electron-capture dissociation-tandem mass spectrometry. <i>BioMetals</i> , 2016, 29, 53-60.	4.1	1
58	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.	1.5	6
59	Real Time Monitoring of Containerless Microreactions in Acoustically Levitated Droplets via Ambient Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2016, 88, 8396-8403.	6.5	66
60	Two-dimensional mass defect matrix plots for mapping genealogical links in mixtures of lignin depolymerisation products. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 4835-4843.	3.7	55
61	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.	1.9	9
62	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.	3.7	33
63	Chemotyping the distribution of vitamin D metabolites in human serum. <i>Scientific Reports</i> , 2016, 6, 21080.	3.3	27
64	Monofluorination and Trifluoromethylation of BODIPY Dyes for Prolonged Single-Molecule Detection. <i>ChemPhysChem</i> , 2016, 17, 433-442.	2.1	11
65	Monitoring the Authenticity of Organic Grape Juice via Chemometric Analysis of Elemental Data. <i>Food Analytical Methods</i> , 2016, 9, 362-369.	2.6	20
66	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.	2.3	11
67	Enhanced Mass Defect Filtering To Simplify and Classify Complex Mixtures of Lignin Degradation Products. <i>Analytical Chemistry</i> , 2016, 88, 1328-1335.	6.5	47
68	Structural analysis of small to medium-sized molecules by mass spectrometry after electron-ion fragmentation (ExD) reactions. <i>Analyst</i> , 2016, 141, 794-806.	3.5	23
69	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, 443-450.	2.8	20
70	Vitamin D supplementation reduces depressive symptoms in patients with chronic liver disease. <i>Clinical Nutrition</i> , 2016, 35, 950-957.	5.0	37
71	Analysis of Vitamin D Metabolites by Mass Spectrometry. , 2016, , 1-20.		2
72	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, 220-224.	1.5	40

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73	Letter: β -Cyclodextrin Affects the Formation of Isomerization Products during Peptide Deamidation. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 701-705.	1.0	5
74	Fragmentation patterns of boron-dipyrromethene (BODIPY) dyes by electrospray ionization high-resolution tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 885-890.	1.5	4
75	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.	3.3	26
76	Structural characterization of a degradation product of rocuronium using nanoelectrospray high resolution mass spectrometry. <i>Drug Testing and Analysis</i> , 2015, 7, 773-779.	2.6	2
77	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, 937-946.	2.6	15
78	Electron-capture dissociation for investigating host/guest complexes of 18-crown-6-ether and peptides. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 2316-2318.	1.5	5
79	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, 275-279.	1.6	24
80	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, 1107-1122.	1.4	18
81	Differential distribution of probenecid as detected by on-tissue mass spectrometry. <i>Cell and Tissue Research</i> , 2015, 360, 427-429.	2.9	5
82	Analysis of vitamin D metabolic markers by mass spectrometry: Current techniques, limitations of the α -gold standard method, and anticipated future directions. <i>Mass Spectrometry Reviews</i> , 2015, 34, 2-23.	5.4	115
83	Rapid Quantification of Digitoxin and Its Metabolites Using Differential Ion Mobility Spectrometry-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2015, 87, 2121-2128.	6.5	17
84	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, 578-585.	1.6	28
85	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.	1.5	6
86	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, 1143-1149.	2.8	15
87	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, 8495-8514.	3.6	27
88	Determining fatty acids by desorption/ionization mass spectrometry using thin-layer chromatography substrates. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 4513-4522.	3.7	11
89	Mass Spectrometric Profiling of Vitamin D Metabolites beyond 25-Hydroxyvitamin D. <i>Clinical Chemistry</i> , 2015, 61, 1033-1048.	3.2	63
90	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.	3.5	25

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91	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.	2.7	14
92	Analysis of fatty acids and triacylglycerides by Pd nanoparticle-assisted laser desorption/ionization mass spectrometry. <i>Analytical Methods</i> , 2015, 7, 3701-3707.	2.7	14
93	Sorption of hydrophilic dyes on anodic aluminium oxide films and application to pH sensing. <i>Analyst, The</i> , 2015, 140, 771-778.	3.5	14
94	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.	1.5	43
95	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, 457-466.	2.6	4
96	Simultaneous quantification of acetaminophen and structurally related compounds in human serum and plasma. <i>Drug Testing and Analysis</i> , 2014, 6, 451-460.	2.6	11
97	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, 1974-1986.	2.8	23
98	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.	1.4	27
99	Dr Leslie J. C. Bluck (1956-2014). <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1777-1778.	1.5	0
100	Terms and acronyms that should be avoided in mass spectrometry publications. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1853-1854.	1.5	2
101	Two-color emissive probes for click reactions. <i>Chemical Communications</i> , 2014, 50, 12694-12697.	4.1	22
102	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.	3.5	212
103	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, 2841-2852.	3.7	3
104	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, 841-851.	2.8	38
105	Detailed Study of Cyanobacterial Microcystins Using High Performance Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 1253-1262.	2.8	16
106	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, 1610-1621.	2.8	18
107	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, 468-480.	1.6	16
108	Account: Characterization and Identification of Microcystins by Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2014, 20, 1-19.	1.0	26

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109	Comprehensive Quantitative Determination of PUFA-Related Bioactive Lipids for Functional Lipidomics Using High-Resolution Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2014, 1198, 221-232.	0.9	10
110	Nanostructured solid substrates for efficient laser desorption/ionization mass spectrometry (LDI-MS) of low molecular weight compounds. <i>Analyst, The</i> , 2013, 138, 7053.	3.5	73
111	Comprehensive analysis of Ginkgo tablets by easy ambient sonic spray ionization mass spectrometry. <i>Canadian Journal of Chemistry</i> , 2013, 91, 671-678.	1.1	6
112	Lipid imaging by mass spectrometry – a review. <i>Analyst, The</i> , 2013, 138, 1289.	3.5	198
113	Vitamin D in chronic liver disease. <i>Liver International</i> , 2013, 33, 338-352.	3.9	138
114	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, 1011-1018.	1.5	5
115	Isotopic Labeling of Metabolites in Drug Discovery Applications. <i>Current Drug Metabolism</i> , 2012, 13, 1213-1225.	1.2	19
116	The hepatic phosphatidylcholine transporter ABCB4 as modulator of glucose homeostasis. <i>FASEB Journal</i> , 2012, 26, 5081-5091.	0.5	22
117	Micro- and nanostructures and their application in gas chromatography. <i>Analyst, The</i> , 2012, 137, 3195.	3.5	12
118	Quantitation of intracellular purine intermediates in different <i>Corynebacteria</i> using electrospray LC-MS/MS. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 2295-2305.	3.7	13
119	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.	4.0	29
120	Electro-catalytic oxidative cleavage of lignin in a protic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 5214.	2.8	114
121	Dispelling the myths surrounding the Research Excellence Framework. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 399-402.	1.5	3
122	Development of an electrospray LC-MS/MS method for quantification of δ^9 -tetrahydrocannabinol and its main metabolite in oral fluid. <i>Drug Testing and Analysis</i> , 2012, 4, 668-674.	2.6	12
123	Recent instrumental progress in mass spectrometry: advancing resolution, accuracy, and speed of drug detection. <i>Drug Testing and Analysis</i> , 2012, 4, 242-245.	2.6	26
124	Rapid narrow band elution for on-line SPE using a novel solvent plug injection technique. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 433-445.	3.7	9
125	The analytical determination of isoprenoid intermediates from the mevalonate pathway. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 671-685.	3.7	20
126	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.	2.8	13

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127	Twentyâ€five years of RCM. Rapid Communications in Mass Spectrometry, 2011, 25, 1-2.	1.5	9
128	Dissociation of deprotonated microcystin variants by collisionâ€induced dissociation following electrospray ionization. Rapid Communications in Mass Spectrometry, 2011, 25, 1981-1992.	1.5	15
129	New structured abstracts for RCM. Rapid Communications in Mass Spectrometry, 2011, 25, 3201-3202.	1.5	2
130	Quantitative determination of vitamin D metabolites in plasma using UHPLC-MS/MS. Analytical and Bioanalytical Chemistry, 2010, 398, 779-789.	3.7	145
131	A rapid and sensitive assay for determining human brain levels of farnesyl-(FPP) and geranylgeranylpyrophosphate (GGPP) and transferase activities using UHPLCâ€MS/MS. Analytical and Bioanalytical Chemistry, 2010, 398, 1801-1808.	3.7	20
132	Prerequisites for supplying complementary highâ€resolution mass spectrometry data in RCM publications. Rapid Communications in Mass Spectrometry, 2010, 24, 3499-3500.	1.5	12
133	Comprehensive Lipidomics Analysis of Bioactive Lipids in Complex Regulatory Networks. Analytical Chemistry, 2010, 82, 8176-8185.	6.5	85
134	Regulation of the brain isoprenoids farnesyl- and geranylgeranylpyrophosphate is altered in male Alzheimer patients. Neurobiology of Disease, 2009, 35, 251-257.	4.4	103
135	From differentiating metabolites to biomarkers. Analytical and Bioanalytical Chemistry, 2009, 394, 663-670.	3.7	105
136	Highâ€resolution extracted ion chromatography, a new tool for metabolomics and lipidomics using a secondâ€generation orbitrap mass spectrometer. Rapid Communications in Mass Spectrometry, 2009, 23, 1411-1418.	1.5	80
137	Comparative High-Speed Profiling of Carboxylic Acid Metabolite Levels by Differential Isotope-Coded MALDI Mass Spectrometry. Analytical Chemistry, 2009, 81, 7544-7551.	6.5	26
138	Effect of acute inflammatory brain injury on accumulation of morphine and morphine 3- and 6-glucuronide in the human brain*. Critical Care Medicine, 2009, 37, 2767-2774.	0.9	36
139	Isoprenoid quantitation in human brain tissue: a validated HPLCâ€fluorescence detection method for endogenous farnesyl- (FPP) and geranylgeranylpyrophosphate (GGPP). Analytical and Bioanalytical Chemistry, 2008, 392, 673-680.	3.7	30
140	Plasma free fatty acid profiling in a fish oil human intervention study using ultraâ€performance liquid chromatography/electrospray ionization tandem mass spectrometry. Rapid Communications in Mass Spectrometry, 2008, 22, 2125-2133.	1.5	49
141	Perspectives for metabolomics in human nutrition: an overview. Nutrition Bulletin, 2008, 33, 324-330.	1.8	24
142	Metabolism of Boswellic Acids in Vitro and in Vivo. Drug Metabolism and Disposition, 2008, 36, 1135-1142.	3.3	103
143	Quantitative Analysis of Antiretroviral Drugs in Lysates of Peripheral Blood Mononuclear Cells Using MALDI-Triple Quadrupole Mass Spectrometry. Analytical Chemistry, 2008, 80, 4969-4975.	6.5	40
144	Comparison of MALDI to ESI on a Triple Quadrupole Platform for Pharmacokinetic Analyses. Analytical Chemistry, 2007, 79, 9000-9006.	6.5	50

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145	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, 632-641.	2.8	8
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