R Graham Cooks

List of Publications by Year in descending order

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		701	2332
1,091	67,180	121	199
papers	citations	h-index	g-index
1135	1135	1135	18426
all docs	docs citations	times ranked	citing authors

P CRAHAM COOKS

#	Article	IF	CITATIONS
1	Lateâ€Stage Functionalization and Characterization of Drugs by Highâ€Throughput Desorption Electrospray Ionization Mass Spectrometry. ChemPlusChem, 2022, 87, e202100449.	2.8	16
2	Abundant Production of Reactive Water Radical Cations under Ambient Conditions. CCS Chemistry, 2022, 4, 1224-1231.	7.8	24
3	Desorption Electrospray Ionization Mass Spectrometry Assay for Labelâ€Free Characterization of SULT2B1b Enzyme Kinetics. ChemMedChem, 2022, 17, .	3.2	16
4	Pd Reaction Intermediates in Suzukiâ€Miyaura Cross oupling Characterized by Mass Spectrometry. ChemPlusChem, 2022, , e202100545.	2.8	5
5	Bacterial growth monitored by two-dimensional tandem mass spectrometry. Analyst, The, 2022, 147, 940-946.	3.5	12
6	Miniature mass spectrometer–based point-of-care assay for cabotegravir and rilpivirine in whole blood. Analytical and Bioanalytical Chemistry, 2022, 414, 3387-3395.	3.7	11
7	Spontaneous Oxidation of Aromatic Sulfones to Sulfonic Acids in Microdroplets. Journal of the American Society for Mass Spectrometry, 2022, 33, 1362-1367.	2.8	31
8	Spontaneous Water Radical Cation Oxidation at Double Bonds in Microdroplets. Frontiers in Chemistry, 2022, 10, 903774.	3.6	31
9	Reaction acceleration at airâ€solution interfaces: Anisotropic rate constants for Katritzky transamination. Journal of Mass Spectrometry, 2021, 56, e4585.	1.6	25
10	Reaction Acceleration at Solid/Solution Interfaces: Katritzky Reaction Catalyzed by Glass Particles. Angewandte Chemie - International Edition, 2021, 60, 2929-2933.	13.8	17
11	Reaction Acceleration at Solid/Solution Interfaces: Katritzky Reaction Catalyzed by Glass Particles. Angewandte Chemie, 2021, 133, 2965-2969.	2.0	3
12	Collection and Characterization by Mass Spectrometry of the Neutral Serine Octamer Generated upon Sublimation. Analytical Chemistry, 2021, 93, 1092-1099.	6.5	4
13	Accelerated reactions of amines with carbon dioxide driven by superacid at the microdroplet interface. Chemical Science, 2021, 12, 2242-2250.	7.4	75
14	Glass surface as strong base, â€~green' heterogeneous catalyst and degradation reagent. Chemical Science, 2021, 12, 9816-9822.	7.4	16
15	Intraoperative Mass Spectrometry Platform for IDH Mutation Status Prediction, Glioma Diagnosis, and Estimation of Tumor Cell Infiltration. journal of applied laboratory medicine, The, 2021, 6, 902-916.	1.3	16
16	Multiple reaction monitoring profiling (MRM profiling): Small molecule exploratory analysis guided by chemical functionality. Chemistry and Physics of Lipids, 2021, 235, 105048.	3.2	28
17	Fragmentation of Polyfunctional Compounds Recorded Using Automated High-Throughput Desorption Electrospray Ionization. Journal of the American Society for Mass Spectrometry, 2021, 32, 2261-2273.	2.8	9
18	Atmospheric Pressure Drift Tube Ion Mobility Spectrometry Coupled with Two-Dimensional Tandem Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2021, 32, 2105-2109.	2.8	2

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19	Metabolic profiles of human brain parenchyma and glioma for rapid tissue diagnosis by targeted desorption electrospray ionization mass spectrometry. Analytical and Bioanalytical Chemistry, 2021, 413, 6213-6224.	3.7	12
20	Complex mixture analysis by two-dimensional mass spectrometry using a miniature ion trap. Talanta Open, 2021, 3, 100028.	3.7	12
21	Reaction Acceleration Promoted by Partial Solvation at the Gas/Solution Interface. ChemPlusChem, 2021, 86, 1362-1365.	2.8	50
22	Space charge compensation in air by counterion flow in 3D printed electrode structure. International Journal of Mass Spectrometry, 2021, 468, 116637.	1.5	1
23	Exploratory analysis using MRM profiling mass spectrometry of a candidate metabolomics sample for testing system suitability. International Journal of Mass Spectrometry, 2021, 468, 116663.	1.5	4
24	Inter-platform assessment of performance of high-throughput desorption electrospray ionization mass spectrometry. Talanta Open, 2021, 4, 100046.	3.7	11
25	Novel Ion Trap Scan Modes to Develop Criteria for On-Site Detection of Sulfonamide Antibiotics. Analytical Chemistry, 2021, 93, 13904-13911.	6.5	10
26	Automated High-Throughput System Combining Small-Scale Synthesis with Bioassays and Reaction Screening. SLAS Technology, 2021, 26, 555-571.	1.9	25
27	Immediate and sensitive detection of sporulated <i>Bacillus subtilis</i> by microwave release and tandem mass spectrometry of dipicolinic acid. Analyst, The, 2021, 146, 7104-7108.	3.5	5
28	Multiple reaction monitoring profiling as an analytical strategy to investigate lipids in extracellular vesicles. Journal of Mass Spectrometry, 2021, 56, e4681.	1.6	5
29	Ion traps and Piero Traldi: A brief appreciation. Mass Spectrometry Reviews, 2021, , e21753.	5.4	0
30	Direct quantitation of tenofovir diphosphate in human blood with mass spectrometry for adherence monitoring. Analytical and Bioanalytical Chemistry, 2020, 412, 1243-1249.	3.7	17
31	Accelerated microdroplet synthesis of benzimidazoles by nucleophilic addition to protonated carboxylic acids. Chemical Science, 2020, 11, 12686-12694.	7.4	72
32	Accelerated Forced Degradation of Therapeutic Peptides in Levitated Microdroplets. Pharmaceutical Research, 2020, 37, 138.	3.5	7
33	High-throughput screening of organic reactions in microdroplets using desorption electrospray ionization mass spectrometry (DESI-MS): hardware and software implementation. Analytical Methods, 2020, 12, 3654-3669.	2.7	32
34	Aldol Reactions of Biorenewable Triacetic Acid Lactone Precursor Evaluated Using Desorption Electrospray Ionization Mass Spectrometry High-Throughput Experimentation and Validated by Continuous Flow Synthesis. ACS Combinatorial Science, 2020, 22, 796-803.	3.8	8
35	Temporal distribution of ions in ambient pressure drift tubes with turns. International Journal of Mass Spectrometry, 2020, 456, 116391.	1.5	8
36	Highâ€Throughput Labelâ€Free Enzymatic Assays Using Desorption Electrosprayâ€Ionization Mass Spectrometry. Angewandte Chemie - International Edition, 2020, 59, 20459-20464.	13.8	56

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37	High-Throughput Screening of Reductive Amination Reactions Using Desorption Electrospray Ionization Mass Spectrometry. Organic Process Research and Development, 2020, 24, 1647-1657.	2.7	24
38	Highâ€Throughput Labelâ€Free Enzymatic Assays Using Desorption Electrosprayâ€Ionization Mass Spectrometry. Angewandte Chemie, 2020, 132, 20639-20644.	2.0	13
39	Quantum Mechanical Modeling of Reaction Rate Acceleration in Microdroplets. Journal of Physical Chemistry A, 2020, 124, 4984-4989.	2.5	33
40	2D MS/MS Spectra Recorded in the Time Domain Using Repetitive Frequency Sweeps in Linear Quadrupole Ion Traps. Analytical Chemistry, 2020, 92, 10016-10023.	6.5	16
41	High-Throughput Experimentation and Continuous Flow Evaluation of Nucleophilic Aromatic Substitution Reactions. ACS Combinatorial Science, 2020, 22, 184-196.	3.8	27
42	Identification and Confirmation of Fentanyls on Paper using Portable Surface Enhanced Raman Spectroscopy and Paper Spray Ionization Mass Spectrometry. Journal of the American Society for Mass Spectrometry, 2020, 31, 735-741.	2.8	46
43	Fourier Transform-Ion Mobility Linear Ion Trap Mass Spectrometer Using Frequency Encoding for Recognition of Related Compounds in a Single Acquisition. Analytical Chemistry, 2020, 92, 5107-5115.	6.5	8
44	Raman spectroscopy coupled with ambient ionization mass spectrometry: A forensic laboratory investigation into rapid and simple dual instrumental analysis techniques. International Journal of Mass Spectrometry, 2020, 452, 116326.	1.5	11
45	Triple Resonance Methods to Improve Performance of Ion Trap Precursor and Neutral Loss Scans. Journal of the American Society for Mass Spectrometry, 2020, 31, 1123-1131.	2.8	3
46	Accelerated Reaction Kinetics in Microdroplets: Overview and Recent Developments. Annual Review of Physical Chemistry, 2020, 71, 31-51.	10.8	261
47	Cutting-edge developments in mass spectrometry: A hands-on workshop. International Journal of Mass Spectrometry, 2020, 452, 116337.	1.5	3
48	Ambient Lipidomic Analysis of Single Mammalian Oocytes and Preimplantation Embryos Using Desorption Electrospray Ionization (DESI) Mass Spectrometry. Methods in Molecular Biology, 2020, 2064, 159-179.	0.9	5
49	High-yield gram-scale organic synthesis using accelerated microdroplet/thin film reactions with solvent recycling. Chemical Science, 2020, 11, 2356-2361.	7.4	44
50	Intraoperative assessment of isocitrate dehydrogenase mutation status in human gliomas using desorption electrospray ionization–mass spectrometry. Journal of Neurosurgery, 2020, 132, 180-187.	1.6	20
51	Screening of the Suzuki Cross-Coupling Reaction Using Desorption Electrospray Ionization in High-Throughput and in Leidenfrost Droplet Experiments. Journal of the American Society for Mass Spectrometry, 2019, 30, 2144-2151.	2.8	28
52	Multiple Reaction Monitoring Profiling (MRM-Profiling) of Lipids To Distinguish Strain-Level Differences in Microbial Resistance in <i>Escherichia coli</i> . Analytical Chemistry, 2019, 91, 11349-11354.	6.5	26
53	Reaction Acceleration in Electrospray Droplets: Size, Distance, and Surfactant Effects. Journal of the American Society for Mass Spectrometry, 2019, 30, 2022-2030.	2.8	60
54	High-throughput, low-cost reaction screening using a modified 3D printer. Analyst, The, 2019, 144, 4978-4984.	3.5	4

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55	Two-dimensional MS/MS scans on a linear ion trap mass analyzer: Identification of V-series chemical warfare agents. International Journal of Mass Spectrometry, 2019, 444, 116171.	1.5	16
56	High Throughput Experimentation Using DESI-MS to Guide Continuous-Flow Synthesis. Scientific Reports, 2019, 9, 14745.	3.3	26
57	Two-Dimensional Tandem Mass Spectrometry in a Single Scan on a Linear Quadrupole Ion Trap. Analytical Chemistry, 2019, 91, 13752-13762.	6.5	19
58	Highâ€Throughput Bioassays using "Dipâ€andâ€Go―Multiplexed Electrospray Mass Spectrometry. Angewandte Chemie, 2019, 131, 17758-17762.	2.0	6
59	Highâ€Throughput Bioassays using "Dipâ€andâ€Go―Multiplexed Electrospray Mass Spectrometry. Angewandte Chemie - International Edition, 2019, 58, 17594-17598.	13.8	19
60	Accelerated Chemical Synthesis: Three Ways of Performing the Katritzky Transamination Reaction. Journal of Chemical Education, 2019, 96, 360-365.	2.3	13
61	Rapid determination of isocitrate dehydrogenase mutation status of human gliomas by extraction nanoelectrospray using a miniature mass spectrometer. Analytical and Bioanalytical Chemistry, 2019, 411, 1503-1508.	3.7	18
62	Quantitative Swab Touch Spray Mass Spectrometry for Oral Fluid Drug Testing. Analytical Chemistry, 2019, 91, 7450-7457.	6.5	35
63	Metabolites and Lipids Associated with Fetal Swine Anatomy via Desorption Electrospray Ionization – Mass Spectrometry Imaging. Scientific Reports, 2019, 9, 7247.	3.3	24
64	Selective Gas-Phase Mass Tagging via Ion/Molecule Reactions Combined with Single Analyzer Neutral Loss Scans to Probe Pharmaceutical Mixtures. Journal of the American Society for Mass Spectrometry, 2019, 30, 1092-1101.	2.8	0
65	Rapid On-Demand Synthesis of Lomustine under Continuous Flow Conditions. Organic Process Research and Development, 2019, 23, 334-341.	2.7	45
66	Ion Manipulation in Open Air Using 3D-Printed Electrodes. Journal of the American Society for Mass Spectrometry, 2019, 30, 2584-2593.	2.8	12
67	Intraoperative detection of isocitrate dehydrogenase mutations in human gliomas using a miniature mass spectrometer. Analytical and Bioanalytical Chemistry, 2019, 411, 7929-7933.	3.7	19
68	Process Analytical Technology for Online Monitoring of Organic Reactions by Mass Spectrometry and UV–Vis Spectroscopy. Journal of Chemical Education, 2019, 96, 124-131.	2.3	19
69	Direct ion generation from swabs. Talanta, 2018, 184, 356-363.	5.5	12
70	Accelerated Forced Degradation of Pharmaceuticals in Levitated Microdroplet Reactors. Chemistry - A European Journal, 2018, 24, 7349-7353.	3.3	41
71	Accelerated multi-reagent copper catalysed coupling reactions in micro droplets and thin films. Reaction Chemistry and Engineering, 2018, 3, 206-209.	3.7	11
72	From DESI to the MasSpec Pen: Ambient Ionization Mass Spectrometry for Tissue Analysis and Intrasurgical Cancer Diagnosis. Clinical Chemistry, 2018, 64, 628-630.	3.2	30

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73	Electrophoretic Desalting To Improve Performance in Electrospray Ionization Mass Spectrometry. Analytical Chemistry, 2018, 90, 3856-3862.	6.5	28
74	High throughput reaction screening using desorption electrospray ionization mass spectrometry. Chemical Science, 2018, 9, 1647-1653.	7.4	124
75	Implementation of Precursor and Neutral Loss Scans on a Miniature Ion Trap Mass Spectrometer and Performance Comparison to a Benchtop Linear Ion Trap. Journal of the American Society for Mass Spectrometry, 2018, 29, 1355-1364.	2.8	13
76	Precursor and Neutral Loss Scans in an RF Scanning Linear Quadrupole Ion Trap. Journal of the American Society for Mass Spectrometry, 2018, 29, 1345-1354.	2.8	10
77	Uncatalyzed, Regioselective Oxidation of Saturated Hydrocarbons in an Ambient Corona Discharge. Angewandte Chemie, 2018, 130, 777-781.	2.0	2
78	Uncatalyzed, Regioselective Oxidation of Saturated Hydrocarbons in an Ambient Corona Discharge. Angewandte Chemie - International Edition, 2018, 57, 769-773.	13.8	18
79	Feasibility of desorption electrospray ionization mass spectrometry for diagnosis of oral tongue squamous cell carcinoma. Rapid Communications in Mass Spectrometry, 2018, 32, 133-141.	1.5	20
80	Sizing sub-diffraction limit electrosprayed droplets by structured illumination microscopy. Analyst, The, 2018, 143, 232-240.	3.5	13
81	Nebulization Prior to Isolation, Ionization, and Dissociation of the Neutral Serine Octamer Allows Its Characterization. Angewandte Chemie, 2018, 130, 17387-17391.	2.0	1
82	Logical MS/MS scans: a new set of operations for tandem mass spectrometry. Analyst, The, 2018, 143, 5438-5452.	3.5	11
83	Analysis of Residual Explosives by Swab Touch Spray Ionization Mass Spectrometry. Propellants, Explosives, Pyrotechnics, 2018, 43, 1139-1144.	1.6	24
84	Ion Mobility–Mass Spectrometry Using a Dual-Gated 3D Printed Ion Mobility Spectrometer. Analytical Chemistry, 2018, 90, 13265-13272.	6.5	32
85	Multiple reaction monitoring (MRM)-profiling with biomarker identification by LC-QTOF to characterize coronary artery disease. Analyst, The, 2018, 143, 5014-5022.	3.5	24
86	Comprehensive lipid profiling of early stage oocytes and embryos by MRM profiling. Journal of Mass Spectrometry, 2018, 53, 1247-1252.	1.6	42
87	Nebulization Prior to Isolation, Ionization, and Dissociation of the Neutral Serine Octamer Allows Its Characterization. Angewandte Chemie - International Edition, 2018, 57, 17141-17145.	13.8	13
88	Detection of Neutral CO Lost During Ionic Dissociation Using Atmospheric Pressure Thermal Dissociation Mass Spectrometry (APTD-MS). Journal of the American Society for Mass Spectrometry, 2018, 29, 2317-2326.	2.8	3
89	Accelerated reactions in field desorption mass spectrometry. Journal of Mass Spectrometry, 2018, 53, 942-946.	1.6	11
90	Fatty Acid Patterns Detected By Ambient Ionization Mass Spectrometry in Canine Invasive Urothelial	0.4	7

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91	High yield accelerated reactions in nonvolatile microthin films: chemical derivatization for analysis of single-cell intracellular fluid. Chemical Science, 2018, 9, 7779-7786.	7.4	42
92	Mass Spectrometry for Synthesis and Analysis. Annual Review of Analytical Chemistry, 2018, 11, 1-28.	5.4	43
93	Accelerated tert-butyloxycarbonyl deprotection of amines in microdroplets produced by a pneumatic spray. International Journal of Mass Spectrometry, 2018, 430, 98-103.	1.5	10
94	Desorption Electrospray Ionization: Methodology and Applications. , 2017, , 401-408.		2
95	Functionalization of saturated hydrocarbons using nitrogen ion insertion reactions in mass spectrometry. International Journal of Mass Spectrometry, 2017, 418, 79-85.	1.5	11
96	Ambient Ionization Mass Spectrometry Measurement of Aminotransferase Activity. Journal of the American Society for Mass Spectrometry, 2017, 28, 1175-1181.	2.8	16
97	Utility of neurological smears for intrasurgical brain cancer diagnostics and tumour cell percentage by DESI-MS. Analyst, The, 2017, 142, 449-454.	3.5	25
98	Fischer Indole Synthesis in the Cas Phase, the Solution Phase, and at the Electrospray Droplet Interface. Journal of the American Society for Mass Spectrometry, 2017, 28, 1359-1364.	2.8	24
99	Jonathan W. Amy and the Amy Facility for Instrumentation Development. Analytical Chemistry, 2017, 89, 5171-5173.	6.5	1
100	State-of-the-art mass spectrometry for point-of-care and other applications: A hands-on intensive short course for undergraduate students. International Journal of Mass Spectrometry, 2017, 417, 22-28.	1.5	12
101	Mass spectrometric directed system for the continuous-flow synthesis and purification of diphenhydramine. Chemical Science, 2017, 8, 4363-4370.	7.4	30
102	Simultaneous Online Monitoring of Multiple Reactions Using a Miniature Mass Spectrometer. Analytical Chemistry, 2017, 89, 6969-6975.	6.5	16
103	Single Analyzer Neutral Loss Scans in a Linear Quadrupole Ion Trap Using Orthogonal Double Resonance Excitation. Analytical Chemistry, 2017, 89, 8148-8155.	6.5	17
104	Single Analyzer Precursor Ion Scans in a Linear Quadrupole Ion Trap Using Orthogonal Double Resonance Excitation. Journal of the American Society for Mass Spectrometry, 2017, 28, 1929-1938.	2.8	23
105	Unique capabilities of AC frequency scanning and its implementation on a Mars Organic Molecule Analyzer linear ion trap. Analyst, The, 2017, 142, 2109-2117.	3.5	5
106	Reaction Acceleration in Thin Films with Continuous Product Deposition for Organic Synthesis. Angewandte Chemie - International Edition, 2017, 56, 9386-9390.	13.8	58
107	Reaction Acceleration in Thin Films with Continuous Product Deposition for Organic Synthesis. Angewandte Chemie, 2017, 129, 9514-9518.	2.0	14
108	Improving mass assignments in quadrupole ion traps operated using ac scans: Theory and experimental validation. International Journal of Mass Spectrometry, 2017, 417, 1-7.	1.5	6

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109	Intraoperative assessment of tumor margins during glioma resection by desorption electrospray ionization-mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6700-6705.	7.1	145
110	Ambient Lipidomic Analysis of Brain Tissue Using Desorption Electrospray Ionization (DESI) Mass Spectrometry. Neuromethods, 2017, , 187-210.	0.3	4
111	Ion Separation in Air Using a Three-Dimensional Printed Ion Mobility Spectrometer. Analytical Chemistry, 2017, 89, 5058-5065.	6.5	28
112	Paper spray ionization mass spectrometry for rapid quantification of illegal beverage dyes. Analytical Methods, 2017, 9, 6273-6279.	2.7	23
113	Simultaneous and Sequential MS/MS Scan Combinations and Permutations in a Linear Quadrupole Ion Trap. Analytical Chemistry, 2017, 89, 11053-11060.	6.5	16
114	Analysis of human gliomas by swab touch spray-mass spectrometry: applications to intraoperative assessment of surgical margins and presence of oncometabolites. Analyst, The, 2017, 142, 4058-4066.	3.5	38
115	Multistep Flow Synthesis of Diazepam Guided by Droplet-Accelerated Reaction Screening with Mechanistic Insights from Rapid Mass Spectrometry Analysis. Organic Process Research and Development, 2017, 21, 1566-1570.	2.7	23
116	Forensic Sampling and Analysis from a Single Substrate: Surface-Enhanced Raman Spectroscopy Followed by Paper Spray Mass Spectrometry. Analytical Chemistry, 2017, 89, 10973-10979.	6.5	68
117	N-Acetylaspartate and 2-Hydroxyglutarate Assessed in Human Brain Tissue by Mass Spectrometry as Neuronal Markers of Oncogenesis. Clinical Chemistry, 2017, 63, 1766-1767.	3.2	12
118	Novel Selectivity-Based Forensic Toxicological Validation of a Paper Spray Mass Spectrometry Method for the Quantitative Determination of Eight Amphetamines in Whole Blood. Journal of the American Society for Mass Spectrometry, 2017, 28, 2665-2676.	2.8	38
119	Atmospheric pressure neutral reionization mass spectrometry for structural analysis. Chemical Science, 2017, 8, 6499-6507.	7.4	10
120	Chiral Analysis by Tandem Mass Spectrometry Using the Kinetic Method, by Polarimetry, and by ¹ H NMR Spectroscopy. Journal of Chemical Education, 2017, 94, 1329-1333.	2.3	6
121	Reaction screening and optimization of continuous-flow atropine synthesis by preparative electrospray mass spectrometry. Analyst, The, 2017, 142, 2836-2845.	3.5	13
122	Multiple reaction monitoring (MRM)â€profiling for biomarker discovery applied to human polycystic ovarian syndrome. Rapid Communications in Mass Spectrometry, 2017, 31, 1462-1470.	1.5	32
123	Ion isolation and multigenerational collision-induced dissociation using the inverse Mathieu q scan. Rapid Communications in Mass Spectrometry, 2017, 31, 200-206.	1.5	8
124	Comparison of paper spray mass spectrometry analysis of dried blood spots from devices used for in-field collection of clinical samples. Analytical and Bioanalytical Chemistry, 2017, 409, 121-131.	3.7	44
125	Resonance methods in quadrupole ion traps. Chemical Physics Letters, 2017, 668, 69-89.	2.6	29
126	Extending the mass range of a miniature ion trap mass spectrometer using the inverse Mathieu q scan. International Journal of Mass Spectrometry, 2017, 422, 154-161.	1.5	12

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127	Molecular recognition of emerald ash borer infestation using leaf spray mass spectrometry . Rapid Communications in Mass Spectrometry, 2016, 30, 1304-1312.	1.5	3
128	Calibration procedure for secular frequency scanning in ion trap mass spectrometers. Rapid Communications in Mass Spectrometry, 2016, 30, 1190-1196.	1.5	23
129	Single analyzer precursor scans using an ion trap. Rapid Communications in Mass Spectrometry, 2016, 30, 800-804.	1.5	25
130	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. Angewandte Chemie - International Edition, 2016, 55, 3433-3437.	13.8	91
131	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. Angewandte Chemie, 2016, 128, 3494-3498.	2.0	20
132	Organische Reaktionen in Mikrotröpfchen: Analyse von Reaktionsbeschleunigungen durch Massenspektrometrie. Angewandte Chemie, 2016, 128, 13152-13166.	2.0	32
133	Experimental Characterization of Secular Frequency Scanning in Ion Trap Mass Spectrometers. Journal of the American Society for Mass Spectrometry, 2016, 27, 1243-1255.	2.8	34
134	Ambient ionization mass spectrometric analysis of human surgical specimens to distinguish renal cell carcinoma from healthy renal tissue. Analytical and Bioanalytical Chemistry, 2016, 408, 5407-5414.	3.7	43
135	Online Inductive Electrospray Ionization Mass Spectrometry as a Process Analytical Technology Tool To Monitor the Synthetic Route to Anagliptin. Organic Process Research and Development, 2016, 20, 940-947.	2.7	12
136	Can Accelerated Reactions in Droplets Guide Chemistry at Scale?. European Journal of Organic Chemistry, 2016, 2016, 5480-5484.	2.4	33
137	Multigenerational Collision-Induced Dissociation for Characterization of Organic Compounds. Analytical Chemistry, 2016, 88, 9572-9581.	6.5	21
138	Accelerated Chemical Reactions and Organic Synthesis in Leidenfrost Droplets. Angewandte Chemie, 2016, 128, 10634-10638.	2.0	15
139	Linear mass scans in quadrupole ion traps using the inverse Mathieu q scan. Rapid Communications in Mass Spectrometry, 2016, 30, 2369-2378.	1.5	25
140	Accelerated Chemical Reactions and Organic Synthesis in Leidenfrost Droplets. Angewandte Chemie - International Edition, 2016, 55, 10478-10482.	13.8	100
141	Accelerated hydrazone formation in charged microdroplets. Rapid Communications in Mass Spectrometry, 2016, 30, 1875-1878.	1.5	42
142	Organic Reactions in Microdroplets: Reaction Acceleration Revealed by Mass Spectrometry. Angewandte Chemie - International Edition, 2016, 55, 12960-12972.	13.8	329
143	Successive Resonances for Ion Ejection at Arbitrary Frequencies in an Ion Trap. Journal of the American Society for Mass Spectrometry, 2016, 27, 1922-1928.	2.8	11
144	Ion Isolation in a Linear Ion Trap Using Dual Resonance Frequencies. Journal of the American Society for Mass Spectrometry, 2016, 27, 1906-1913.	2.8	6

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145	Multigenerational Broadband Collision-Induced Dissociation of Precursor lons in a Linear Quadrupole Ion Trap. Journal of the American Society for Mass Spectrometry, 2016, 27, 1914-1921.	2.8	7
146	Tumor Cell Detection by Mass Spectrometry Using Signal Ion Emission Reactive Release Amplification. Analytical Chemistry, 2016, 88, 6971-6975.	6.5	12
147	Cholesterol Sulfonation Enzyme, SULT2B1b, Modulates AR and Cell Growth Properties in Prostate Cancer. Molecular Cancer Research, 2016, 14, 776-786.	3.4	24
148	Lipid and metabolite profiles of human brain tumors by desorption electrospray ionization-MS. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1486-1491.	7.1	183
149	Chemical Synthesis Accelerated by Paper Spray: The Haloform Reaction. Journal of Chemical Education, 2016, 93, 340-344.	2.3	47
150	On-line chiral analysis using the kinetic method. Analyst, The, 2016, 141, 2441-2446.	3.5	13
151	Direct identification of prohibited substances in cosmetics and foodstuffs using ambient ionization on a miniature mass spectrometry system. Analytica Chimica Acta, 2016, 912, 65-73.	5.4	51
152	Analysis of bacteria using zero volt paper spray. Analytical Methods, 2016, 8, 1770-1773.	2.7	16
153	Rapid discrimination of bacteria using a miniature mass spectrometer. Analyst, The, 2016, 141, 1633-1636.	3.5	32
154	Clinical Mass Spectrometry—Achieving Prominence in Laboratory Medicine. Clinical Chemistry, 2016, 62, 1-3.	3.2	30
155	Effects of long-term dietary supplementation with conjugated linoleic acid on bovine oocyte lipid profile. Reproduction, Fertility and Development, 2016, 28, 1326.	0.4	11
156	Ambient Ionization Mass Spectrometry for Point-of-Care Diagnostics and Other Clinical Measurements. Clinical Chemistry, 2016, 62, 99-110.	3.2	169
157	Miniature and Fieldable Mass Spectrometers: Recent Advances. Analytical Chemistry, 2016, 88, 2-29.	6.5	319
158	Differential Lipid Profiles of Normal Human Brain Matter and Gliomas by Positive and Negative Mode Desorption Electrospray Ionization – Mass Spectrometry Imaging. PLoS ONE, 2016, 11, e0163180.	2.5	60
159	Onâ€Demand Ambient Ionization of Picoliter Samples Using Charge Pulses. Angewandte Chemie - International Edition, 2015, 54, 6893-6895.	13.8	49
160	Rapid analysis of synthetic cannabinoids using a miniature mass spectrometer with ambient ionization capability. Talanta, 2015, 142, 190-196.	5.5	59
161	Discrimination of Candida species by paper spray mass spectrometry. International Journal of Mass Spectrometry, 2015, 378, 288-293.	1.5	26
162	Mass Spectrometry in the Home and Garden. Journal of the American Society for Mass Spectrometry, 2015, 26, 224-230.	2.8	61

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163	Direct drug analysis from oral fluid using medical swab touch spray mass spectrometry. Analytica Chimica Acta, 2015, 861, 47-54.	5.4	68
164	Biogenic aldehyde determination by reactive paper spray ionization mass spectrometry. Analytica Chimica Acta, 2015, 860, 37-42.	5.4	31
165	Direct analysis of complex mixtures by mass spectrometry. International Journal of Mass Spectrometry, 2015, 377, 709-718.	1.5	13
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167	Analysis of Polycyclic Aromatic Hydrocarbons Using Desorption Atmospheric Pressure Chemical Ionization Coupled to a Portable Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2015, 26, 271-280.	2.8	57
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