

# R Graham Cooks

## List of Publications by Year in descending order

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1,090  
papers

67,180  
citations

699

121  
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2375

198  
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1135  
all docs

1135  
docs citations

1135  
times ranked

18426  
citing authors

#	ARTICLE	IF	CITATIONS
1	Late-Stage Functionalization and Characterization of Drugs by High-Throughput Desorption Electrospray Ionization Mass Spectrometry. <i>ChemPlusChem</i> , 2022, 87, e202100449.	1.3	16
2	Abundant Production of Reactive Water Radical Cations under Ambient Conditions. <i>CCS Chemistry</i> , 2022, 4, 1224-1231.	4.6	24
3	Desorption Electrospray Ionization Mass Spectrometry Assay for Label-Free Characterization of SULT2B1b Enzyme Kinetics. <i>ChemMedChem</i> , 2022, 17, .	1.6	16
4	Pd Reaction Intermediates in Suzuki-Miyaura Cross-Coupling Characterized by Mass Spectrometry. <i>ChemPlusChem</i> , 2022, , e202100545.	1.3	5
5	Bacterial growth monitored by two-dimensional tandem mass spectrometry. <i>Analyst, The</i> , 2022, 147, 940-946.	1.7	12
6	Miniature mass spectrometer-based point-of-care assay for cabotegravir and rilpivirine in whole blood. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 3387-3395.	1.9	11
7	Spontaneous Oxidation of Aromatic Sulfones to Sulfonic Acids in Microdroplets. <i>Journal of the American Society for Mass Spectrometry</i> , 2022, 33, 1362-1367.	1.2	31
8	Spontaneous Water Radical Cation Oxidation at Double Bonds in Microdroplets. <i>Frontiers in Chemistry</i> , 2022, 10, 903774.	1.8	31
9	Reaction acceleration at air-solution interfaces: Anisotropic rate constants for Katritzky transamination. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4585.	0.7	25
10	Reaction Acceleration at Solid/Solution Interfaces: Katritzky Reaction Catalyzed by Glass Particles. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2929-2933.	7.2	17
11	Reaction Acceleration at Solid/Solution Interfaces: Katritzky Reaction Catalyzed by Glass Particles. <i>Angewandte Chemie</i> , 2021, 133, 2965-2969.	1.6	3
12	Collection and Characterization by Mass Spectrometry of the Neutral Serine Octamer Generated upon Sublimation. <i>Analytical Chemistry</i> , 2021, 93, 1092-1099.	3.2	4
13	Accelerated reactions of amines with carbon dioxide driven by superacid at the microdroplet interface. <i>Chemical Science</i> , 2021, 12, 2242-2250.	3.7	75
14	Glass surface as strong base, "green" heterogeneous catalyst and degradation reagent. <i>Chemical Science</i> , 2021, 12, 9816-9822.	3.7	16
15	Intraoperative Mass Spectrometry Platform for IDH Mutation Status Prediction, Glioma Diagnosis, and Estimation of Tumor Cell Infiltration. <i>Journal of Applied Laboratory Medicine</i> , 2021, 6, 902-916.	0.6	16
16	Multiple reaction monitoring profiling (MRM profiling): Small molecule exploratory analysis guided by chemical functionality. <i>Chemistry and Physics of Lipids</i> , 2021, 235, 105048.	1.5	28
17	Fragmentation of Polyfunctional Compounds Recorded Using Automated High-Throughput Desorption Electrospray Ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2261-2273.	1.2	9
18	Atmospheric Pressure Drift Tube Ion Mobility Spectrometry Coupled with Two-Dimensional Tandem Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 2105-2109.	1.2	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. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 6213-6224.	1.9	12
20	Complex mixture analysis by two-dimensional mass spectrometry using a miniature ion trap. <i>Talanta Open</i> , 2021, 3, 100028.	1.7	12
21	Reaction Acceleration Promoted by Partial Solvation at the Gas/Solution Interface. <i>ChemPlusChem</i> , 2021, 86, 1362-1365.	1.3	50
22	Space charge compensation in air by counterion flow in 3D printed electrode structure. <i>International Journal of Mass Spectrometry</i> , 2021, 468, 116637.	0.7	1
23	Exploratory analysis using MRM profiling mass spectrometry of a candidate metabolomics sample for testing system suitability. <i>International Journal of Mass Spectrometry</i> , 2021, 468, 116663.	0.7	4
24	Inter-platform assessment of performance of high-throughput desorption electrospray ionization mass spectrometry. <i>Talanta Open</i> , 2021, 4, 100046.	1.7	11
25	Novel Ion Trap Scan Modes to Develop Criteria for On-Site Detection of Sulfonamide Antibiotics. <i>Analytical Chemistry</i> , 2021, 93, 13904-13911.	3.2	10
26	Automated High-Throughput System Combining Small-Scale Synthesis with Bioassays and Reaction Screening. <i>SLAS Technology</i> , 2021, 26, 555-571.	1.0	25
27	Immediate and sensitive detection of sporulated <i>Bacillus subtilis</i> by microwave release and tandem mass spectrometry of dipicolinic acid. <i>Analyst</i> , The, 2021, 146, 7104-7108.	1.7	5
28	Multiple reaction monitoring profiling as an analytical strategy to investigate lipids in extracellular vesicles. <i>Journal of Mass Spectrometry</i> , 2021, 56, e4681.	0.7	5
29	Ion traps and Piero Traldi: A brief appreciation. <i>Mass Spectrometry Reviews</i> , 2021, , e21753.	2.8	0
30	Direct quantitation of tenofovir diphosphate in human blood with mass spectrometry for adherence monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 1243-1249.	1.9	17
31	Accelerated microdroplet synthesis of benzimidazoles by nucleophilic addition to protonated carboxylic acids. <i>Chemical Science</i> , 2020, 11, 12686-12694.	3.7	72
32	Accelerated Forced Degradation of Therapeutic Peptides in Levitated Microdroplets. <i>Pharmaceutical Research</i> , 2020, 37, 138.	1.7	7
33	High-throughput screening of organic reactions in microdroplets using desorption electrospray ionization mass spectrometry (DESI-MS): hardware and software implementation. <i>Analytical Methods</i> , 2020, 12, 3654-3669.	1.3	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. <i>ACS Combinatorial Science</i> , 2020, 22, 796-803.	3.8	8
35	Temporal distribution of ions in ambient pressure drift tubes with turns. <i>International Journal of Mass Spectrometry</i> , 2020, 456, 116391.	0.7	8
36	High-Throughput Label-Free Enzymatic Assays Using Desorption Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 20459-20464.	7.2	56

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37	High-Throughput Screening of Reductive Amination Reactions Using Desorption Electrospray Ionization Mass Spectrometry. <i>Organic Process Research and Development</i> , 2020, 24, 1647-1657.	1.3	24
38	High-Throughput Label-Free Enzymatic Assays Using Desorption Electrospray Ionization Mass Spectrometry. <i>Angewandte Chemie</i> , 2020, 132, 20639-20644.	1.6	13
39	Quantum Mechanical Modeling of Reaction Rate Acceleration in Microdroplets. <i>Journal of Physical Chemistry A</i> , 2020, 124, 4984-4989.	1.1	33
40	2D MS/MS Spectra Recorded in the Time Domain Using Repetitive Frequency Sweeps in Linear Quadrupole Ion Traps. <i>Analytical Chemistry</i> , 2020, 92, 10016-10023.	3.2	16
41	High-Throughput Experimentation and Continuous Flow Evaluation of Nucleophilic Aromatic Substitution Reactions. <i>ACS Combinatorial Science</i> , 2020, 22, 184-196.	3.8	27
42	Identification and Confirmation of Fentanyl on Paper using Portable Surface Enhanced Raman Spectroscopy and Paper Spray Ionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 735-741.	1.2	46
43	Fourier Transform-Ion Mobility Linear Ion Trap Mass Spectrometer Using Frequency Encoding for Recognition of Related Compounds in a Single Acquisition. <i>Analytical Chemistry</i> , 2020, 92, 5107-5115.	3.2	8
44	Raman spectroscopy coupled with ambient ionization mass spectrometry: A forensic laboratory investigation into rapid and simple dual instrumental analysis techniques. <i>International Journal of Mass Spectrometry</i> , 2020, 452, 116326.	0.7	11
45	Triple Resonance Methods to Improve Performance of Ion Trap Precursor and Neutral Loss Scans. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 1123-1131.	1.2	3
46	Accelerated Reaction Kinetics in Microdroplets: Overview and Recent Developments. <i>Annual Review of Physical Chemistry</i> , 2020, 71, 31-51.	4.8	261
47	Cutting-edge developments in mass spectrometry: A hands-on workshop. <i>International Journal of Mass Spectrometry</i> , 2020, 452, 116337.	0.7	3
48	Ambient Lipidomic Analysis of Single Mammalian Oocytes and Preimplantation Embryos Using Desorption Electrospray Ionization (DESI) Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2020, 2064, 159-179.	0.4	5
49	High-yield gram-scale organic synthesis using accelerated microdroplet/thin film reactions with solvent recycling. <i>Chemical Science</i> , 2020, 11, 2356-2361.	3.7	44
50	Intraoperative assessment of isocitrate dehydrogenase mutation status in human gliomas using desorption electrospray ionization mass spectrometry. <i>Journal of Neurosurgery</i> , 2020, 132, 180-187.	0.9	20
51	Screening of the Suzuki Cross-Coupling Reaction Using Desorption Electrospray Ionization in High-Throughput and in Leidenfrost Droplet Experiments. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2144-2151.	1.2	28
52	Multiple Reaction Monitoring Profiling (MRM-Profilng) of Lipids To Distinguish Strain-Level Differences in Microbial Resistance in <i>Escherichia coli</i> . <i>Analytical Chemistry</i> , 2019, 91, 11349-11354.	3.2	26
53	Reaction Acceleration in Electrospray Droplets: Size, Distance, and Surfactant Effects. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2022-2030.	1.2	60
54	High-throughput, low-cost reaction screening using a modified 3D printer. <i>Analyst</i> , 2019, 144, 4978-4984.	1.7	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. <i>International Journal of Mass Spectrometry</i> , 2019, 444, 116171.	0.7	16
56	High Throughput Experimentation Using DESI-MS to Guide Continuous-Flow Synthesis. <i>Scientific Reports</i> , 2019, 9, 14745.	1.6	26
57	Two-Dimensional Tandem Mass Spectrometry in a Single Scan on a Linear Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 2019, 91, 13752-13762.	3.2	19
58	High-Throughput Bioassays using $\text{Co}^{\text{Dip}}\text{and}^{\text{Co}}$ -Multiplexed Electrospray Mass Spectrometry. <i>Angewandte Chemie</i> , 2019, 131, 17758-17762.	1.6	6
59	High-Throughput Bioassays using $\text{Co}^{\text{Dip}}\text{and}^{\text{Co}}$ -Multiplexed Electrospray Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17594-17598.	7.2	19
60	Accelerated Chemical Synthesis: Three Ways of Performing the Katritzky Transamination Reaction. <i>Journal of Chemical Education</i> , 2019, 96, 360-365.	1.1	13
61	Rapid determination of isocitrate dehydrogenase mutation status of human gliomas by extraction nanoelectrospray using a miniature mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 1503-1508.	1.9	18
62	Quantitative Swab Touch Spray Mass Spectrometry for Oral Fluid Drug Testing. <i>Analytical Chemistry</i> , 2019, 91, 7450-7457.	3.2	35
63	Metabolites and Lipids Associated with Fetal Swine Anatomy via Desorption Electrospray Ionization $\text{and}^{\text{Co}}$ Mass Spectrometry Imaging. <i>Scientific Reports</i> , 2019, 9, 7247.	1.6	24
64	Selective Gas-Phase Mass Tagging via Ion/Molecule Reactions Combined with Single Analyzer Neutral Loss Scans to Probe Pharmaceutical Mixtures. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1092-1101.	1.2	0
65	Rapid On-Demand Synthesis of Lomustine under Continuous Flow Conditions. <i>Organic Process Research and Development</i> , 2019, 23, 334-341.	1.3	45
66	Ion Manipulation in Open Air Using 3D-Printed Electrodes. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2584-2593.	1.2	12
67	Intraoperative detection of isocitrate dehydrogenase mutations in human gliomas using a miniature mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7929-7933.	1.9	19
68	Process Analytical Technology for Online Monitoring of Organic Reactions by Mass Spectrometry and UV-Vis Spectroscopy. <i>Journal of Chemical Education</i> , 2019, 96, 124-131.	1.1	19
69	Direct ion generation from swabs. <i>Talanta</i> , 2018, 184, 356-363.	2.9	12
70	Accelerated Forced Degradation of Pharmaceuticals in Levitated Microdroplet Reactors. <i>Chemistry - A European Journal</i> , 2018, 24, 7349-7353.	1.7	41
71	Accelerated multi-reagent copper catalysed coupling reactions in micro droplets and thin films. <i>Reaction Chemistry and Engineering</i> , 2018, 3, 206-209.	1.9	11
72	From DESI to the MasSpec Pen: Ambient Ionization Mass Spectrometry for Tissue Analysis and Intraoperative Cancer Diagnosis. <i>Clinical Chemistry</i> , 2018, 64, 628-630.	1.5	30

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73	Electrophoretic Desalting To Improve Performance in Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 3856-3862.	3.2	28
74	High throughput reaction screening using desorption electrospray ionization mass spectrometry. <i>Chemical Science</i> , 2018, 9, 1647-1653.	3.7	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. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1355-1364.	1.2	13
76	Precursor and Neutral Loss Scans in an RF Scanning Linear Quadrupole Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1345-1354.	1.2	10
77	Uncatalyzed, Regioselective Oxidation of Saturated Hydrocarbons in an Ambient Corona Discharge. <i>Angewandte Chemie</i> , 2018, 130, 777-781.	1.6	2
78	Uncatalyzed, Regioselective Oxidation of Saturated Hydrocarbons in an Ambient Corona Discharge. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 769-773.	7.2	18
79	Feasibility of desorption electrospray ionization mass spectrometry for diagnosis of oral tongue squamous cell carcinoma. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 133-141.	0.7	20
80	Sizing sub-diffraction limit electrosprayed droplets by structured illumination microscopy. <i>Analyst, The</i> , 2018, 143, 232-240.	1.7	13
81	Nebulization Prior to Isolation, Ionization, and Dissociation of the Neutral Serine Octamer Allows Its Characterization. <i>Angewandte Chemie</i> , 2018, 130, 17387-17391.	1.6	1
82	Logical MS/MS scans: a new set of operations for tandem mass spectrometry. <i>Analyst, The</i> , 2018, 143, 5438-5452.	1.7	11
83	Analysis of Residual Explosives by Swab Touch Spray Ionization Mass Spectrometry. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 1139-1144.	1.0	24
84	Ion Mobility Mass Spectrometry Using a Dual-Gated 3D Printed Ion Mobility Spectrometer. <i>Analytical Chemistry</i> , 2018, 90, 13265-13272.	3.2	32
85	Multiple reaction monitoring (MRM)-profiling with biomarker identification by LC-QTOF to characterize coronary artery disease. <i>Analyst, The</i> , 2018, 143, 5014-5022.	1.7	24
86	Comprehensive lipid profiling of early stage oocytes and embryos by MRM profiling. <i>Journal of Mass Spectrometry</i> , 2018, 53, 1247-1252.	0.7	42
87	Nebulization Prior to Isolation, Ionization, and Dissociation of the Neutral Serine Octamer Allows Its Characterization. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 17141-17145.	7.2	13
88	Detection of Neutral CO Lost During Ionic Dissociation Using Atmospheric Pressure Thermal Dissociation Mass Spectrometry (APT-DMS). <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 2317-2326.	1.2	3
89	Accelerated reactions in field desorption mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2018, 53, 942-946.	0.7	11
90	Fatty Acid Patterns Detected By Ambient Ionization Mass Spectrometry in Canine Invasive Urothelial Carcinoma From Dogs of Different Breeds. <i>Bladder Cancer</i> , 2018, 4, 283-291.	0.2	7

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91	High yield accelerated reactions in nonvolatile microthin films: chemical derivatization for analysis of single-cell intracellular fluid. <i>Chemical Science</i> , 2018, 9, 7779-7786.	3.7	42
92	Mass Spectrometry for Synthesis and Analysis. <i>Annual Review of Analytical Chemistry</i> , 2018, 11, 1-28.	2.8	43
93	Accelerated tert-butyloxycarbonyl deprotection of amines in microdroplets produced by a pneumatic spray. <i>International Journal of Mass Spectrometry</i> , 2018, 430, 98-103.	0.7	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. <i>International Journal of Mass Spectrometry</i> , 2017, 418, 79-85.	0.7	11
96	Ambient Ionization Mass Spectrometry Measurement of Aminotransferase Activity. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1175-1181.	1.2	16
97	Utility of neurological smears for intrasurgical brain cancer diagnostics and tumour cell percentage by DESI-MS. <i>Analyst, The</i> , 2017, 142, 449-454.	1.7	25
98	Fischer Indole Synthesis in the Gas Phase, the Solution Phase, and at the Electrospray Droplet Interface. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1359-1364.	1.2	24
99	Jonathan W. Amy and the Amy Facility for Instrumentation Development. <i>Analytical Chemistry</i> , 2017, 89, 5171-5173.	3.2	1
100	State-of-the-art mass spectrometry for point-of-care and other applications: A hands-on intensive short course for undergraduate students. <i>International Journal of Mass Spectrometry</i> , 2017, 417, 22-28.	0.7	12
101	Mass spectrometric directed system for the continuous-flow synthesis and purification of diphenhydramine. <i>Chemical Science</i> , 2017, 8, 4363-4370.	3.7	30
102	Simultaneous Online Monitoring of Multiple Reactions Using a Miniature Mass Spectrometer. <i>Analytical Chemistry</i> , 2017, 89, 6969-6975.	3.2	16
103	Single Analyzer Neutral Loss Scans in a Linear Quadrupole Ion Trap Using Orthogonal Double Resonance Excitation. <i>Analytical Chemistry</i> , 2017, 89, 8148-8155.	3.2	17
104	Single Analyzer Precursor Ion Scans in a Linear Quadrupole Ion Trap Using Orthogonal Double Resonance Excitation. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 1929-1938.	1.2	23
105	Unique capabilities of AC frequency scanning and its implementation on a Mars Organic Molecule Analyzer linear ion trap. <i>Analyst, The</i> , 2017, 142, 2109-2117.	1.7	5
106	Reaction Acceleration in Thin Films with Continuous Product Deposition for Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9386-9390.	7.2	58
107	Reaction Acceleration in Thin Films with Continuous Product Deposition for Organic Synthesis. <i>Angewandte Chemie</i> , 2017, 129, 9514-9518.	1.6	14
108	Improving mass assignments in quadrupole ion traps operated using ac scans: Theory and experimental validation. <i>International Journal of Mass Spectrometry</i> , 2017, 417, 1-7.	0.7	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.	3.3	145
110	Ambient Lipidomic Analysis of Brain Tissue Using Desorption Electrospray Ionization (DESI) Mass Spectrometry. Neuromethods, 2017, , 187-210.	0.2	4
111	Ion Separation in Air Using a Three-Dimensional Printed Ion Mobility Spectrometer. Analytical Chemistry, 2017, 89, 5058-5065.	3.2	28
112	Paper spray ionization mass spectrometry for rapid quantification of illegal beverage dyes. Analytical Methods, 2017, 9, 6273-6279.	1.3	23
113	Simultaneous and Sequential MS/MS Scan Combinations and Permutations in a Linear Quadrupole Ion Trap. Analytical Chemistry, 2017, 89, 11053-11060.	3.2	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.	1.7	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.	1.3	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.	3.2	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.	1.5	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.	1.2	38
119	Atmospheric pressure neutral reionization mass spectrometry for structural analysis. Chemical Science, 2017, 8, 6499-6507.	3.7	10
120	Chiral Analysis by Tandem Mass Spectrometry Using the Kinetic Method, by Polarimetry, and by <sup>1</sup> H NMR Spectroscopy. Journal of Chemical Education, 2017, 94, 1329-1333.	1.1	6
121	Reaction screening and optimization of continuous-flow atropine synthesis by preparative electrospray mass spectrometry. Analyst, The, 2017, 142, 2836-2845.	1.7	13
122	Multiple reaction monitoring (MRM) profiling for biomarker discovery applied to human polycystic ovarian syndrome. Rapid Communications in Mass Spectrometry, 2017, 31, 1462-1470.	0.7	32
123	Ion isolation and multigenerational collision-induced dissociation using the inverse Mathieu q scan. Rapid Communications in Mass Spectrometry, 2017, 31, 200-206.	0.7	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.	1.9	44
125	Resonance methods in quadrupole ion traps. Chemical Physics Letters, 2017, 668, 69-89.	1.2	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.	0.7	12



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127	<b>Molecular recognition of emerald ash borer infestation using leaf spray mass spectrometry</b>. Rapid Communications in Mass Spectrometry, 2016, 30, 1304-1312.	0.7	3
128	Calibration procedure for secular frequency scanning in ion trap mass spectrometers. Rapid Communications in Mass Spectrometry, 2016, 30, 1190-1196.	0.7	23
129	Single analyzer precursor scans using an ion trap. Rapid Communications in Mass Spectrometry, 2016, 30, 800-804.	0.7	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.	7.2	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.	1.6	20
132	Organische Reaktionen in Mikrotröpfchen: Analyse von Reaktionsbeschleunigungen durch Massenspektrometrie. Angewandte Chemie, 2016, 128, 13152-13166.	1.6	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.	1.2	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.	1.9	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.	1.3	12
136	Can Accelerated Reactions in Droplets Guide Chemistry at Scale?. European Journal of Organic Chemistry, 2016, 2016, 5480-5484.	1.2	33
137	Multigenerational Collision-Induced Dissociation for Characterization of Organic Compounds. Analytical Chemistry, 2016, 88, 9572-9581.	3.2	21
138	Accelerated Chemical Reactions and Organic Synthesis in Leidenfrost Droplets. Angewandte Chemie, 2016, 128, 10634-10638.	1.6	15
139	Linear mass scans in quadrupole ion traps using the inverse Mathieu q scan. Rapid Communications in Mass Spectrometry, 2016, 30, 2369-2378.	0.7	25
140	Accelerated Chemical Reactions and Organic Synthesis in Leidenfrost Droplets. Angewandte Chemie - International Edition, 2016, 55, 10478-10482.	7.2	100
141	Accelerated hydrazone formation in charged microdroplets. Rapid Communications in Mass Spectrometry, 2016, 30, 1875-1878.	0.7	42
142	Organic Reactions in Microdroplets: Reaction Acceleration Revealed by Mass Spectrometry. Angewandte Chemie - International Edition, 2016, 55, 12960-12972.	7.2	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.	1.2	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.	1.2	6

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145	Multigenerational Broadband Collision-Induced Dissociation of Precursor Ions in a Linear Quadrupole Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1914-1921.	1.2	7
146	Tumor Cell Detection by Mass Spectrometry Using Signal Ion Emission Reactive Release Amplification. <i>Analytical Chemistry</i> , 2016, 88, 6971-6975.	3.2	12
147	Cholesterol Sulfonation Enzyme, SULT2B1b, Modulates AR and Cell Growth Properties in Prostate Cancer. <i>Molecular Cancer Research</i> , 2016, 14, 776-786.	1.5	24
148	Lipid and metabolite profiles of human brain tumors by desorption electrospray ionization-MS. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1486-1491.	3.3	183
149	Chemical Synthesis Accelerated by Paper Spray: The Haloform Reaction. <i>Journal of Chemical Education</i> , 2016, 93, 340-344.	1.1	47
150	On-line chiral analysis using the kinetic method. <i>Analyst, The</i> , 2016, 141, 2441-2446.	1.7	13
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