

R Graham Cooks

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.

1,093
papers

58,736
citations

113
h-index

186
g-index

1,134
ext. papers

62,362
ext. citations

6.7
avg, IF

7.86
L-index

#	Paper	IF	Citations
1093	Novel Desorption Electrospray Ionization Mass Spectrometry Assay for Label-Free Characterization of SULT2B1b Enzyme Kinetics.. <i>ChemMedChem</i> , 2022 ,	3.7	1
1092	Pd Reaction Intermediates in Suzuki-Miyaura Cross-Coupling Characterized by Mass Spectrometry.. <i>ChemPlusChem</i> , 2022 , e202100545	2.8	2
1091	Bacterial growth monitored by two-dimensional tandem mass spectrometry.. <i>Analyst, The</i> , 2022 ,	5	1
1090	Late-Stage Functionalization and Characterization of Drugs by High-Throughput Desorption Electrospray Ionization Mass Spectrometry.. <i>ChemPlusChem</i> , 2022 , 87, e202100449	2.8	1
1089	Miniature mass spectrometer-based point-of-care assay for cabotegravir and rilpivirine in whole blood.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	1
1088	Spontaneous Oxidation of Aromatic Sulfones to Sulfonic Acids in Microdroplets.. <i>Journal of the American Society for Mass Spectrometry</i> , 2022 ,	3.5	4
1087	Spontaneous Water Radical Cation Oxidation at Double Bonds in Microdroplets.. <i>Frontiers in Chemistry</i> , 2022 , 10, 903774	5	2
1086	Immediate and sensitive detection of sporulated by microwave release and tandem mass spectrometry of dipicolinic acid. <i>Analyst, The</i> , 2021 , 146, 7104-7108	5	1
1085	Multiple reaction monitoring profiling as an analytical strategy to investigate lipids in extracellular vesicles. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4681	2.2	3
1084	Ion traps and Piero Traldi: A brief appreciation. <i>Mass Spectrometry Reviews</i> , 2021 , e21753	11	
1083	Novel Ion Trap Scan Modes to Develop Criteria for On-Site Detection of Sulfonamide Antibiotics. <i>Analytical Chemistry</i> , 2021 , 93, 13904-13911	7.8	2
1082	Automated High-Throughput System Combining Small-Scale Synthesis with Bioassays and Reaction Screening. <i>SLAS Technology</i> , 2021 , 26, 555-571	3	1
1081	Multiple reaction monitoring profiling (MRM profiling): Small molecule exploratory analysis guided by chemical functionality. <i>Chemistry and Physics of Lipids</i> , 2021 , 235, 105048	3.7	13
1080	Reaction acceleration at air-solution interfaces: Anisotropic rate constants for Katritzky transamination. <i>Journal of Mass Spectrometry</i> , 2021 , 56, e4585	2.2	15
1079	Reaction Acceleration at Solid/Solution Interfaces: Katritzky Reaction Catalyzed by Glass Particles. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 2929-2933	16.4	8
1078	Reaction Acceleration at Solid/Solution Interfaces: Katritzky Reaction Catalyzed by Glass Particles. <i>Angewandte Chemie</i> , 2021 , 133, 2965-2969	3.6	1
1077	Collection and Characterization by Mass Spectrometry of the Neutral Serine Octamer Generated upon Sublimation. <i>Analytical Chemistry</i> , 2021 , 93, 1092-1099	7.8	4

1076	Glass surface as strong base, 'green' heterogeneous catalyst and degradation reagent. <i>Chemical Science</i> , 2021 , 12, 9816-9822	9.4	5
1075	Intraoperative Mass Spectrometry Platform for IDH Mutation Status Prediction, Glioma Diagnosis, and Estimation of Tumor Cell Infiltration. <i>Journal of applied laboratory medicine, The</i> , 2021 , 6, 902-916	2	6
1074	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	3.5	5
1073	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	3.5	0
1072	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	4.4	2
1071	Complex mixture analysis by two-dimensional mass spectrometry using a miniature ion trap. <i>Talanta Open</i> , 2021 , 3, 100028	5.6	4
1070	Reaction Acceleration Promoted by Partial Solvation at the Gas/Solution Interface. <i>ChemPlusChem</i> , 2021 , 86, 1362-1365	2.8	7
1069	Space charge compensation in air by counterion flow in 3D printed electrode structure. <i>International Journal of Mass Spectrometry</i> , 2021 , 468, 116637	1.9	1
1068	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	1.9	1
1067	Inter-platform assessment of performance of high-throughput desorption electrospray ionization mass spectrometry. <i>Talanta Open</i> , 2021 , 4, 100046	5.6	5
1066	Quantum Mechanical Modeling of Reaction Rate Acceleration in Microdroplets. <i>Journal of Physical Chemistry A</i> , 2020 , 124, 4984-4989	2.8	20
1065	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	7.8	7
1064	High-Throughput Experimentation and Continuous Flow Evaluation of Nucleophilic Aromatic Substitution Reactions. <i>ACS Combinatorial Science</i> , 2020 , 22, 184-196	3.9	14
1063	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	3.5	22
1062	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	7.8	4
1061	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	1.9	7
1060	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	3.5	2
1059	Accelerated Reaction Kinetics in Microdroplets: Overview and Recent Developments. <i>Annual Review of Physical Chemistry</i> , 2020 , 71, 31-51	15.7	99

1058	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	1.4	3
1057	High-yield gram-scale organic synthesis using accelerated microdroplet/thin film reactions with solvent recycling. <i>Chemical Science</i> , 2020 , 11, 2356-2361	9.4	18
1056	Direct quantitation of tenofovir diphosphate in human blood with mass spectrometry for adherence monitoring. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 1243-1249	4.4	12
1055	Accelerated microdroplet synthesis of benzimidazoles by nucleophilic addition to protonated carboxylic acids. <i>Chemical Science</i> , 2020 , 11, 12686-12694	9.4	17
1054	Accelerated Forced Degradation of Therapeutic Peptides in Levitated Microdroplets. <i>Pharmaceutical Research</i> , 2020 , 37, 138	4.5	5
1053	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	3.2	15
1052	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	3.9	3
1051	Temporal distribution of ions in ambient pressure drift tubes with turns. <i>International Journal of Mass Spectrometry</i> , 2020 , 456, 116391	1.9	5
1050	High-Throughput Label-Free Enzymatic Assays Using Desorption Electrospray-Ionization Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20459-20464	16.4	22
1049	High-Throughput Screening of Reductive Amination Reactions Using Desorption Electrospray Ionization Mass Spectrometry. <i>Organic Process Research and Development</i> , 2020 , 24, 1647-1657	3.9	12
1048	High-Throughput Label-Free Enzymatic Assays Using Desorption Electrospray-Ionization Mass Spectrometry. <i>Angewandte Chemie</i> , 2020 , 132, 20639-20644	3.6	3
1047	Cutting-edge developments in mass spectrometry: A hands-on workshop. <i>International Journal of Mass Spectrometry</i> , 2020 , 452, 116337	1.9	1
1046	Accelerated reactions of amines with carbon dioxide driven by superacid at the microdroplet interface. <i>Chemical Science</i> , 2020 , 12, 2242-2250	9.4	23
1045	Accelerated Chemical Synthesis: Three Ways of Performing the Katritzky Transamination Reaction. <i>Journal of Chemical Education</i> , 2019 , 96, 360-365	2.4	10
1044	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	4.4	8
1043	Quantitative Swab Touch Spray Mass Spectrometry for Oral Fluid Drug Testing. <i>Analytical Chemistry</i> , 2019 , 91, 7450-7457	7.8	25
1042	Metabolites and Lipids Associated with Fetal Swine Anatomy via Desorption Electrospray Ionization - Mass Spectrometry Imaging. <i>Scientific Reports</i> , 2019 , 9, 7247	4.9	13
1041	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	3.5	

1040	Rapid On-Demand Synthesis of Lomustine under Continuous Flow Conditions. <i>Organic Process Research and Development</i> , 2019 , 23, 334-341	3.9	23
1039	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	3.5	19
1038	Multiple Reaction Monitoring Profiling (MRM-Profilng) of Lipids To Distinguish Strain-Level Differences in Microbial Resistance in. <i>Analytical Chemistry</i> , 2019 , 91, 11349-11354	7.8	15
1037	Reaction Acceleration in Electrospray Droplets: Size, Distance, and Surfactant Effects. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2022-2030	3.5	36
1036	High-throughput, low-cost reaction screening using a modified 3D printer. <i>Analyst, The</i> , 2019 , 144, 4978-4984	4.9	2
1035	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	1.9	12
1034	High Throughput Experimentation Using DESI-MS to Guide Continuous-Flow Synthesis. <i>Scientific Reports</i> , 2019 , 9, 14745	4.9	18
1033	Two-Dimensional Tandem Mass Spectrometry in a Single Scan on a Linear Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 2019 , 91, 13752-13762	7.8	9
1032	High-Throughput Bioassays using Dip-and-Go Multiplexed Electrospray Mass Spectrometry. <i>Angewandte Chemie</i> , 2019 , 131, 17758-17762	3.6	2
1031	High-Throughput Bioassays using "Dip-and-Go" Multiplexed Electrospray Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17594-17598	16.4	14
1030	Intraoperative assessment of isocitrate dehydrogenase mutation status in human gliomas using desorption electrospray ionization-mass spectrometry. <i>Journal of Neurosurgery</i> , 2019 , 132, 180-187	3.2	11
1029	Ion Manipulation in Open Air Using 3D-Printed Electrodes. <i>Journal of the American Society for Mass Spectrometry</i> , 2019 , 30, 2584-2593	3.5	8
1028	Intraoperative detection of isocitrate dehydrogenase mutations in human gliomas using a miniature mass spectrometer. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 7929-7933	4.4	10
1027	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	2.4	13
1026	Direct ion generation from swabs. <i>Talanta</i> , 2018 , 184, 356-363	6.2	8
1025	Accelerated Forced Degradation of Pharmaceuticals in Levitated Microdroplet Reactors. <i>Chemistry - A European Journal</i> , 2018 , 24, 7349-7353	4.8	30
1024	Accelerated multi-reagent copper catalysed coupling reactions in micro droplets and thin films. <i>Reaction Chemistry and Engineering</i> , 2018 , 3, 206-209	4.9	7
1023	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	5.5	15

1022	Electrophoretic Desalting To Improve Performance in Electrospray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 3856-3862	7.8	18
1021	High throughput reaction screening using desorption electrospray ionization mass spectrometry. <i>Chemical Science</i> , 2018 , 9, 1647-1653	9.4	80
1020	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	3.5	11
1019	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	3.5	9
1018	Accelerated reactions in field desorption mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2018 , 53, 942-946	2.2	7
1017	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	1	4
1016	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	9.4	17
1015	Mass Spectrometry for Synthesis and Analysis. <i>Annual Review of Analytical Chemistry</i> , 2018 , 11, 1-28	12.5	30
1014	Accelerated tert-butyloxycarbonyl deprotection of amines in microdroplets produced by a pneumatic spray. <i>International Journal of Mass Spectrometry</i> , 2018 , 430, 98-103	1.9	8
1013	Uncatalyzed, Regioselective Oxidation of Saturated Hydrocarbons in an Ambient Corona Discharge. <i>Angewandte Chemie</i> , 2018 , 130, 777-781	3.6	1
1012	Uncatalyzed, Regioselective Oxidation of Saturated Hydrocarbons in an Ambient Corona Discharge. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 769-773	16.4	15
1011	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	2.2	15
1010	Nebulization Prior to Isolation, Ionization, and Dissociation of the Neutral Serine Octamer Allows Its Characterization. <i>Angewandte Chemie</i> , 2018 , 130, 17387-17391	3.6	1
1009	Logical MS/MS scans: a new set of operations for tandem mass spectrometry. <i>Analyst, The</i> , 2018 , 143, 5438-5452	5	8
1008	Analysis of Residual Explosives by Swab Touch Spray Ionization Mass Spectrometry. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 1139-1144	1.7	18
1007	Ion Mobility-Mass Spectrometry Using a Dual-Gated 3D Printed Ion Mobility Spectrometer. <i>Analytical Chemistry</i> , 2018 , 90, 13265-13272	7.8	23
1006	Multiple reaction monitoring (MRM)-profiling with biomarker identification by LC-QTOF to characterize coronary artery disease. <i>Analyst, The</i> , 2018 , 143, 5014-5022	5	17
1005	Comprehensive lipid profiling of early stage oocytes and embryos by MRM profiling. <i>Journal of Mass Spectrometry</i> , 2018 , 53, 1247-1252	2.2	25

1004	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	16.4	12
1003	Detection of Neutral CO Lost During Ionic Dissociation Using Atmospheric Pressure Thermal Dissociation Mass Spectrometry (APTD-MS). <i>Journal of the American Society for Mass Spectrometry</i> , 2018 , 29, 2317-2326	3.5	1
1002	Desorption Electrospray Ionization: Methodology and Applications 2017 , 401-408		1
1001	Functionalization of saturated hydrocarbons using nitrogen ion insertion reactions in mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2017 , 418, 79-85	1.9	10
1000	Ambient Ionization Mass Spectrometry Measurement of Aminotransferase Activity. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1175-1181	3.5	9
999	Utility of neurological smears for intrasurgical brain cancer diagnostics and tumour cell percentage by DESI-MS. <i>Analyst, The</i> , 2017 , 142, 449-454	5	19
998	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	3.5	17
997	Jonathan W. Amy and the Amy Facility for Instrumentation Development. <i>Analytical Chemistry</i> , 2017 , 89, 5171-5173	7.8	1
996	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	1.9	10
995	Mass spectrometric directed system for the continuous-flow synthesis and purification of diphenhydramine. <i>Chemical Science</i> , 2017 , 8, 4363-4370	9.4	22
994	Simultaneous Online Monitoring of Multiple Reactions Using a Miniature Mass Spectrometer. <i>Analytical Chemistry</i> , 2017 , 89, 6969-6975	7.8	15
993	Single Analyzer Neutral Loss Scans in a Linear Quadrupole Ion Trap Using Orthogonal Double Resonance Excitation. <i>Analytical Chemistry</i> , 2017 , 89, 8148-8155	7.8	14
992	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	3.5	15
991	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	5	4
990	Reaction Acceleration in Thin Films with Continuous Product Deposition for Organic Synthesis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9386-9390	16.4	35
989	Reaction Acceleration in Thin Films with Continuous Product Deposition for Organic Synthesis. <i>Angewandte Chemie</i> , 2017 , 129, 9514-9518	3.6	11
988	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	1.9	5
987	Intraoperative assessment of tumor margins during glioma resection by desorption electrospray ionization-mass spectrometry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6700-6705	11.5	106

986	Ambient Lipidomic Analysis of Brain Tissue Using Desorption Electrospray Ionization (DESI) Mass Spectrometry. <i>Neuromethods</i> , 2017 , 187-210	0.4	3
985	Ion Separation in Air Using a Three-Dimensional Printed Ion Mobility Spectrometer. <i>Analytical Chemistry</i> , 2017 , 89, 5058-5065	7.8	23
984	Paper spray ionization mass spectrometry for rapid quantification of illegal beverage dyes. <i>Analytical Methods</i> , 2017 , 9, 6273-6279	3.2	19
983	Simultaneous and Sequential MS/MS Scan Combinations and Permutations in a Linear Quadrupole Ion Trap. <i>Analytical Chemistry</i> , 2017 , 89, 11053-11060	7.8	12
982	Analysis of human gliomas by swab touch spray-mass spectrometry: applications to intraoperative assessment of surgical margins and presence of oncometabolites. <i>Analyst, The</i> , 2017 , 142, 4058-4066	5	27
981	Multistep Flow Synthesis of Diazepam Guided by Droplet-Accelerated Reaction Screening with Mechanistic Insights from Rapid Mass Spectrometry Analysis. <i>Organic Process Research and Development</i> , 2017 , 21, 1566-1570	3.9	20
980	Forensic Sampling and Analysis from a Single Substrate: Surface-Enhanced Raman Spectroscopy Followed by Paper Spray Mass Spectrometry. <i>Analytical Chemistry</i> , 2017 , 89, 10973-10979	7.8	57
979	N-Acetylaspartate and 2-Hydroxyglutarate Assessed in Human Brain Tissue by Mass Spectrometry as Neuronal Markers of Oncogenesis. <i>Clinical Chemistry</i> , 2017 , 63, 1766-1767	5.5	9
978	Novel Selectivity-Based Forensic Toxicological Validation of a Paper Spray Mass Spectrometry Method for the Quantitative Determination of Eight Amphetamines in Whole Blood. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 2665-2676	3.5	31
977	Atmospheric pressure neutral reionization mass spectrometry for structural analysis. <i>Chemical Science</i> , 2017 , 8, 6499-6507	9.4	10
976	Chiral Analysis by Tandem Mass Spectrometry Using the Kinetic Method, by Polarimetry, and by ¹ H NMR Spectroscopy. <i>Journal of Chemical Education</i> , 2017 , 94, 1329-1333	2.4	5
975	Reaction screening and optimization of continuous-flow atropine synthesis by preparative electrospray mass spectrometry. <i>Analyst, The</i> , 2017 , 142, 2836-2845	5	11
974	Multiple reaction monitoring (MRM)-profiling for biomarker discovery applied to human polycystic ovarian syndrome. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 1462-1470	2.2	25
973	Ion isolation and multigenerational collision-induced dissociation using the inverse Mathieu q scan. <i>Rapid Communications in Mass Spectrometry</i> , 2017 , 31, 200-206	2.2	7
972	Comparison of paper spray mass spectrometry analysis of dried blood spots from devices used for in-field collection of clinical samples. <i>Analytical and Bioanalytical Chemistry</i> , 2017 , 409, 121-131	4.4	38
971	Resonance methods in quadrupole ion traps. <i>Chemical Physics Letters</i> , 2017 , 668, 69-89	2.5	17
970	Extending the mass range of a miniature ion trap mass spectrometer using the inverse Mathieu q scan. <i>International Journal of Mass Spectrometry</i> , 2017 , 422, 154-161	1.9	12
969	Sizing sub-diffraction limit electrosprayed droplets by structured illumination microscopy. <i>Analyst, The</i> , 2017 , 143, 232-240	5	8

968	Ambient Ionization Mass Spectrometry for Point-of-Care Diagnostics and Other Clinical Measurements. <i>Clinical Chemistry</i> , 2016 , 62, 99-110	5.5	138
967	Miniature and Fieldable Mass Spectrometers: Recent Advances. <i>Analytical Chemistry</i> , 2016 , 88, 2-29	7.8	271
966	Accelerated hydrazone formation in charged microdroplets. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 1875-8	2.2	35
965	Organic Reactions in Microdroplets: Reaction Acceleration Revealed by Mass Spectrometry. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12960-12972	16.4	204
964	Successive Resonances for Ion Ejection at Arbitrary Frequencies in an Ion Trap. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1922-1928	3.5	10
963	Ion Isolation in a Linear Ion Trap Using Dual Resonance Frequencies. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1906-1913	3.5	5
962	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	3.5	7
961	Tumor Cell Detection by Mass Spectrometry Using Signal Ion Emission Reactive Release Amplification. <i>Analytical Chemistry</i> , 2016 , 88, 6971-5	7.8	7
960	Cholesterol Sulfonation Enzyme, SULT2B1b, Modulates AR and Cell Growth Properties in Prostate Cancer. <i>Molecular Cancer Research</i> , 2016 , 14, 776-86	6.6	21
959	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, 1486-91	11.5	146
958	Chemical Synthesis Accelerated by Paper Spray: The Haloform Reaction. <i>Journal of Chemical Education</i> , 2016 , 93, 340-344	2.4	40
957	On-line chiral analysis using the kinetic method. <i>Analyst, The</i> , 2016 , 141, 2441-6	5	10
956	Direct identification of prohibited substances in cosmetics and foodstuffs using ambient ionization on a miniature mass spectrometry system. <i>Analytica Chimica Acta</i> , 2016 , 912, 65-73	6.6	44
955	Analysis of bacteria using zero volt paper spray. <i>Analytical Methods</i> , 2016 , 8, 1770-1773	3.2	13
954	Rapid discrimination of bacteria using a miniature mass spectrometer. <i>Analyst, The</i> , 2016 , 141, 1633-6	5	30
953	Differential Lipid Profiles of Normal Human Brain Matter and Gliomas by Positive and Negative Mode Desorption Electrospray Ionization - Mass Spectrometry Imaging. <i>PLoS ONE</i> , 2016 , 11, e0163180	3.7	49
952	Molecular recognition of emerald ash borer infestation using leaf spray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 1304-12	2.2	3
951	Calibration procedure for secular frequency scanning in ion trap mass spectrometers. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 1190-1196	2.2	21

950	Single analyzer precursor scans using an ion trap. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 800-4	2.2	23
949	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3433-7	16.4	73
948	The Role of the Interface in Thin Film and Droplet Accelerated Reactions Studied by Competitive Substituent Effects. <i>Angewandte Chemie</i> , 2016 , 128, 3494-3498	3.6	19
947	Organische Reaktionen in Mikrotröpfchen: Analyse von Reaktionsbeschleunigungen durch Massenspektrometrie. <i>Angewandte Chemie</i> , 2016 , 128, 13152-13166	3.6	23
946	Experimental Characterization of Secular Frequency Scanning in Ion Trap Mass Spectrometers. <i>Journal of the American Society for Mass Spectrometry</i> , 2016 , 27, 1243-55	3.5	30
945	Ambient ionization mass spectrometric analysis of human surgical specimens to distinguish renal cell carcinoma from healthy renal tissue. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 5407-14	4.4	39
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