

Carlos Afonso

List of Publications by Year in descending order

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185
papers

4,653
citations

136950

32
h-index

133252

59
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194
all docs

194
docs citations

194
times ranked

5653
citing authors

#	ARTICLE	IF	CITATIONS
1	Chromium Determination in Leather and Other Matrices: A Review. <i>Critical Reviews in Analytical Chemistry</i> , 2022, 52, 1537-1556.	3.5	18
2	Development of a standardized in vitro approach to evaluate microphysical, chemical, and toxicological properties of combustion-derived fine and ultrafine particles. <i>Journal of Environmental Sciences</i> , 2022, 113, 104-117.	6.1	10
3	Imaging Matrix-Assisted Laser Desorption/Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry of oxaliplatin derivatives in human tissue sections. <i>Talanta</i> , 2022, 237, 122915.	5.5	7
4	Visualization and identification of single meteoritic organic molecules by atomic force microscopy. <i>Meteoritics and Planetary Science</i> , 2022, 57, 644-656.	1.6	4
5	Ion mobility mass spectrometry for structural elucidation of petroleum compounds. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 151, 116597.	11.4	8
6	Molecular networking and collision cross section prediction for structural isomer and unknown compound identification in plant metabolomics: a case study applied to <i>Zanthoxylum heitzii</i> extracts. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 4103-4118.	3.7	7
7	Characterization of Crude Oil Molecules Adsorbed onto Carbonate Rock Surface Using LDI FT-ICR MS. <i>Energy & Fuels</i> , 2022, 36, 6159-6166.	5.1	1
8	Speciation and Semiquantification of Nitrogen-Containing Species in Complex Mixtures: Application to Plastic Pyrolysis Oil. <i>ACS Omega</i> , 2022, 7, 19428-19436.	3.5	6
9	Fractionation by flash chromatography and molecular characterization of bio-oil by ultra-high-resolution mass spectrometry and NMR spectroscopy. <i>Journal of Analytical and Applied Pyrolysis</i> , 2022, 166, 105611.	5.5	8
10	Suggested plausible structures for Titan's haze analogs using tandem mass spectrometry. <i>Icarus</i> , 2021, 358, 114181.	2.5	8
11	Membrane phospholipid composition of <i>Pseudomonas aeruginosa</i> grown in a cystic fibrosis mucus-mimicking medium. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2021, 1863, 183482.	2.6	14
12	Cyclic Ion Mobility Spectrometry Coupled to High-Resolution Time-of-Flight Mass Spectrometry Equipped with Atmospheric Solid Analysis Probe for the Molecular Characterization of Combustion Particulate Matter. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 206-217.	2.8	6
13	Direct Insertion Analysis of Polymer-Modified Bitumen by Atmospheric Pressure Chemical Ionization Ultrahigh-Resolution Mass Spectrometry. <i>Energy & Fuels</i> , 2021, 35, 2165-2173.	5.1	5
14	Structural analysis of petroporphyrins from asphaltene by trapped ion mobility coupled with Fourier transform ion cyclotron resonance mass spectrometry. <i>Analyst</i> , 2021, 146, 4161-4171.	3.5	11
15	Muscle metabolic remodelling patterns in Duchenne muscular dystrophy revealed by ultra-high-resolution mass spectrometry imaging. <i>Scientific Reports</i> , 2021, 11, 1906.	3.3	19
16	Imaging Titan's Organic Haze at Atomic Scale. <i>Astrophysical Journal Letters</i> , 2021, 908, L13.	8.3	11
17	Combination of UHPLC-MS/MS-molecular networking approach and FTICR-MS for the metabolic profiling of <i>Saccharomyces cerevisiae</i> . <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 195, 113857.	2.8	4
18	Exploring Complex Mixtures by Cyclic Ion Mobility High-Resolution Mass Spectrometry: Application Toward Petroleum. <i>Analytical Chemistry</i> , 2021, 93, 5872-5881.	6.5	25

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19	Identification of N-glycan oligomannoside isomers in the diatom <i>Phaeodactylum tricornutum</i> . <i>Carbohydrate Polymers</i> , 2021, 259, 117660.	10.2	9
20	The Catalytic Regio- and Stereoselective Synthesis of 1,6-Diazabicyclo[4.3.0]nonane-2,7-diones. <i>Journal of Organic Chemistry</i> , 2021, 86, 8600-8609.	3.2	2
21	Ion mobility mass spectrometry of in situ generated biomass pyrolysis products. <i>Journal of Analytical and Applied Pyrolysis</i> , 2021, 156, 105164.	5.5	4
22	Advances and Challenges in the Molecular Characterization of Petroporphyrins. <i>Energy & Fuels</i> , 2021, 35, 18056-18077.	5.1	23
23	Effect of the Ionization Source on the Targeted Analysis of Nickel and Vanadyl Porphyrins in Crude Oil. <i>Energy & Fuels</i> , 2021, 35, 14542-14552.	5.1	4
24	Study of Biocrudes Obtained via Hydrothermal Liquefaction (HTL) of Wild Alga Consortium under Different Conditions. <i>Processes</i> , 2021, 9, 1494.	2.8	10
25	Characterization of Heavy Products from Lignocellulosic Biomass Pyrolysis by Chromatography and Fourier Transform Mass Spectrometry: A Review. <i>Energy & Fuels</i> , 2021, 35, 17979-18007.	5.1	22
26	Metabolome Exploration by High-Resolution Mass Spectrometry Methodologies of Two New Yeast Species: <i>Starmerella reginensis</i> and <i>Starmerella kourouensis</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 11502-11511.	5.2	3
27	Molecular Characterization of a Mixed Plastic Pyrolysis Oil from Municipal Wastes by Direct Infusion Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2021, 35, 14828-14837.	5.1	8
28	State-of-the-art in analytical methods for metabolic profiling of <i>Saccharomyces cerevisiae</i> . <i>Microchemical Journal</i> , 2021, 170, 106704.	4.5	2
29	Molecular Characterization of Aged Bitumen with Selective and Nonselective Ionization Methods by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. 1. Multiple Pressure Aging Vessel Aging Series. <i>Energy & Fuels</i> , 2021, 35, 16432-16441.	5.1	5
30	Molecular Characterization of Aged Bitumen with Selective and Nonselective Ionization Methods by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. 2. Statistical Approach on Multiple-Origin Samples. <i>Energy & Fuels</i> , 2021, 35, 16442-16451.	5.1	6
31	Integrative Metabolomics Reveals Deep Tissue and Systemic Metabolic Remodeling in Glioblastoma. <i>Cancers</i> , 2021, 13, 5157.	3.7	9
32	Quantitative extraction of chromium VI and III from tanned leather: a comparative study of pretreatment methods. <i>Journal of Leather Science and Engineering</i> , 2021, 3, .	6.0	7
33	Petroleomics at the National High Magnetic Field Laboratory: A Pictorial History. <i>Energy & Fuels</i> , 2021, 35, 17973-17978.	5.1	0
34	High-resolution mass spectrometry for future space missions: Comparative analysis of complex organic matter with LAb-CECosmOrbitrap and laser desorption/ionization Fourier transform ion cyclotron resonance. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8645.	1.5	13
35	Paraffin-Inert Atmospheric Solid Analysis Probe: A Fast and Easy Approach To Characterize Extremely Air-Sensitive Organometallic Complexes by Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 2922-2925.	6.5	3
36	Optimization of ion trajectories in a dynamically harmonized Fourier transform ion cyclotron resonance cell using a design of experiments strategy. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8659.	1.5	9

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37	Multiple xylosyltransferases heterogeneously xylosylate protein <i>N</i> -linked glycans in <i>Chlamydomonas reinhardtii</i> . <i>Plant Journal</i> , 2020, 102, 230-245.	5.7	37
38	Chemical Characterization Using Different Analytical Techniques to Understand Processes: The Case of the Paraffinic Base Oil Production Line. <i>Processes</i> , 2020, 8, 1472.	2.8	3
39	Characterization of Polyethylene Branching by Thermal Analysis-Photoionization Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 2362-2369.	2.8	2
40	Speciation of Metals in Asphaltenes by High-Performance Thin-Layer Chromatography and Solid-Liquid Extraction Hyphenated with Elemental and Molecular Identification. <i>Energy & Fuels</i> , 2020, 34, 12449-12456.	5.1	7
41	Regio- and Stereo-Specific Chemical Depolymerization of High Molecular Weight Polybutadiene and Polyisoprene for Their Analysis by High-Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry: Comparison with Pyrolysis-Comprehensive Two-Dimensional Gas Chromatography/Mass Spectrometry, Atmospheric Solid Analysis Probe, Direct Inlet Probe-Atmospheric Pressure Chemical Ionization Mass Spectrometry, and Ion Mobility Spectrometry-Mass Spectrometry. <i>Analytical Chemistry</i> , 2020, 92, 15736-15744.	6.5	5
42	Direct Inlet Probe Atmospheric Pressure Photo and Chemical Ionization Coupled to Ultrahigh Resolution Mass Spectrometry for the Description of Lignocellulosic Biomass. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 822-831.	2.8	15
43	Particulate inorganic salts and trace element emissions of a domestic boiler fed with five commercial brands of wood pellets. <i>Environmental Science and Pollution Research</i> , 2020, 27, 18221-18231.	5.3	4
44	Structural Analysis of Neutral Nitrogen Compounds Refractory to the Hydrodenitrogenation Process of Heavy Oil Fractions by High-Resolution Tandem Mass Spectrometry and Ion Mobility-Mass Spectrometry. <i>Energy & Fuels</i> , 2020, 34, 9328-9338.	5.1	10
45	Comparison of Silica and Cellulose Stationary Phases to Analyze Bitumen by High-Performance Thin-Layer Chromatography Coupled to Laser Desorption Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Energy & Fuels</i> , 2020, 34, 9296-9303.	5.1	8
46	Base-Assisted Intramolecular C-N Coupling Reaction from NH ₂ -Bound Cyclopalladated α -Phenylalanine to Indoline-2-carboxylic Acid. <i>Organometallics</i> , 2020, 39, 767-773.	2.3	3
47	Collision Cross Sections of Phosphoric Acid Cluster Anions in Helium Measured by Drift Tube Ion Mobility Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2020, 31, 969-981.	2.8	5
48	High-performance thin-layer chromatography with atmospheric solids analysis probe mass spectrometry for analysis of gasoline polymeric additives. <i>Rapid Communications in Mass Spectrometry</i> , 2020, 34, e8755.	1.5	6
49	Structural elucidation of soluble organic matter: Application to Titan's haze. <i>Icarus</i> , 2020, 340, 113627.	2.5	7
50	Unprecedented Molecular Diversity Revealed in Meteoritic Insoluble Organic Matter: The Paris Meteorite's Case. <i>Planetary Science Journal</i> , 2020, 1, 55.	3.6	19
51	Deciphering the structure of itaconate-based unsaturated polyester resins by high resolution mass spectrometry. <i>Polymer International</i> , 2020, 69, 1140-1151.	3.1	3
52	Dealing with complexity: general discussion. <i>Faraday Discussions</i> , 2019, 218, 138-156.	3.2	1
53	High resolution techniques: general discussion. <i>Faraday Discussions</i> , 2019, 218, 247-267.	3.2	4
54	Data mining and visualisation: general discussion. <i>Faraday Discussions</i> , 2019, 218, 354-371.	3.2	2

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55	Future challenges and new approaches: general discussion. Faraday Discussions, 2019, 218, 505-523.	3.2	1
56	Analysis of Mucopolysaccharidosis Type VI through Integrative Functional Metabolomics. International Journal of Molecular Sciences, 2019, 20, 446.	4.1	18
57	Recommendations for reporting ion mobility Mass Spectrometry measurements. Mass Spectrometry Reviews, 2019, 38, 291-320.	5.4	315
58	Structural analysis of heavy oil fractions after hydrodenitrogenation by high-resolution tandem mass spectrometry and ion mobility spectrometry. Faraday Discussions, 2019, 218, 417-430.	3.2	43
59	Integrative metabolic profiling in Sanfilippo syndrome. Molecular Genetics and Metabolism, 2019, 126, S30.	1.1	0
60	A new optimization strategy for MALDI FTICR MS tissue analysis for untargeted metabolomics using experimental design and data modeling. Analytical and Bioanalytical Chemistry, 2019, 411, 3891-3903.	3.7	14
61	Structural Study of Analogues of Titanâ€™s Haze by Trapped Ion Mobility Coupled with a Fourier Transform Ion Cyclotron Mass Spectrometer. Journal of the American Society for Mass Spectrometry, 2019, 30, 1169-1173.	2.8	12
62	Collision cross sections of negative cluster ions of phosphoric acid in N ₂ determined by drift tube ion mobility and their use in travelling wave ion mobility. International Journal of Mass Spectrometry, 2019, 442, 14-22.	1.5	5
63	Comprehensive Petroporphyrin Identification in Crude Oils Using Highly Selective Electron Transfer Reactions in MALDI-FTICR-MS. Energy & Fuels, 2019, 33, 3899-3907.	5.1	38
64	Determination of the collision cross sections of cardiolipins and phospholipids from Pseudomonas aeruginosa by traveling wave ion mobility spectrometry-mass spectrometry using a novel correction strategy. Analytical and Bioanalytical Chemistry, 2019, 411, 8123-8131.	3.7	8
65	Desiccation tolerance in plants: Structural characterization of the cell wall hemicellulosic polysaccharides in three Selaginella species. Carbohydrate Polymers, 2019, 208, 180-190.	10.2	21
66	Ion mobility-mass spectrometry analysis of diarylquinoline diastereomers: Drugs used for tuberculosis treatment. European Journal of Mass Spectrometry, 2019, 25, 291-299.	1.0	2
67	Molecular Fingerprints and Speciation of Crude Oils and Heavy Fractions Revealed by Molecular and Elemental Mass Spectrometry: Keystone between Petroleomics, Metallopetroleomics, and Petrointeractomics. Energy & Fuels, 2018, 32, 4593-4605.	5.1	36
68	18th International Conference on Petroleum Phase Behavior and Fouling. Energy & Fuels, 2018, 32, 2641-2641.	5.1	6
69	General rules of fragmentation evidencing lasso structures in CID and ETD. Analyst, The, 2018, 143, 1157-1170.	3.5	27
70	A Unique (3+2) Annulation Reaction between Meldrum's Acid and Nitrones: Mechanistic Insight by ESIâ€™IMSâ€™MS and DFT Studies. Chemistry - A European Journal, 2018, 24, 4086-4093.	3.3	10
71	Advances in metabolome information retrieval: turning chemistry into biology. Part II: biological information recovery. Journal of Inherited Metabolic Disease, 2018, 41, 393-406.	3.6	16
72	Advances in metabolome information retrieval: turning chemistry into biology. Part I: analytical chemistry of the metabolome. Journal of Inherited Metabolic Disease, 2018, 41, 379-391.	3.6	29

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73	Synthesis, APPI Mass-Spectrometric Characterization, and Polymerization Studies of Group 4 Dinuclear Bis(ansa-metallocene) Complexes. <i>Catalysts</i> , 2018, 8, 558.	3.5	5
74	User-friendly extraction and multistage tandem mass spectrometry based analysis of lipid-linked oligosaccharides in microalgae. <i>Plant Methods</i> , 2018, 14, 107.	4.3	15
75	Unveiling metabolic remodeling in mucopolysaccharidosis type III through integrative metabolomics and pathway analysis. <i>Journal of Translational Medicine</i> , 2018, 16, 248.	4.4	19
76	An orthogonal system for heterologous expression of actinobacterial lasso peptides in <i>Streptomyces</i> hosts. <i>Scientific Reports</i> , 2018, 8, 8232.	3.3	30
77	Comparison of soluble and insoluble organic matter in analogues of Titan's aerosols. <i>Earth and Planetary Science Letters</i> , 2018, 495, 185-191.	4.4	38
78	Characterization of polyalphaolefins using halogen anion attachment in atmospheric pressure photoionization coupled with ion mobility spectrometry-mass spectrometry. <i>Analyst</i> , The, 2018, 143, 3934-3940.	3.5	11
79	A calibration framework for the determination of accurate collision cross sections of polyanions using polyoxometalate standards. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1703-1710.	1.5	11
80	Atmospheric Solid Analysis Probe Coupled to Ion Mobility Spectrometry-Mass Spectrometry, a Fast and Simple Method for Polyalphaolefin Characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2018, 29, 1678-1687.	2.8	11
81	Thiol-ene chemistry of vegetable oils and their derivatives under UV and air: a model study by using infrared spectroscopy and mass spectrometry. <i>RSC Advances</i> , 2017, 7, 3343-3352.	3.6	12
82	Implementation of an untargeted liquid chromatography ion mobility-mass spectrometry-based metabolomics method for inherited metabolic diseases investigation. <i>Molecular Genetics and Metabolism</i> , 2017, 120, S130-S131.	1.1	0
83	Characterization of Polyolefin Pyrolysis Species Produced Under Ambient Conditions by Fourier Transform Ion Cyclotron Resonance Mass Spectrometry and Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 507-514.	2.8	16
84	Urinary metabolic phenotyping of mucopolysaccharidosis type I combining untargeted and targeted strategies with data modeling. <i>Clinica Chimica Acta</i> , 2017, 475, 7-14.	1.1	19
85	Effective Ion Mobility Peak Width as a New Isomeric Descriptor for the Untargeted Analysis of Complex Mixtures Using Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 2476-2482.	2.8	29
86	Charge Effect on the Formation of Polyoxometalate-Based Supramolecular Polygons Driven by Metal Coordination. <i>Inorganic Chemistry</i> , 2017, 56, 8490-8496.	4.0	19
87	Signatures of Mechanically Interlocked Topology of Lasso Peptides by Ion Mobility-Mass Spectrometry: Lessons from a Collection of Representatives. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 315-322.	2.8	17
88	Where Does the Electron Go? Stable and Metastable Peptide Cation Radicals Formed by Electron Transfer. <i>Journal of the American Society for Mass Spectrometry</i> , 2017, 28, 164-181.	2.8	11
89	Heterologous expression of the N-acetylglucosaminyltransferase I dictates a reinvestigation of the N-glycosylation pathway in <i>Chlamydomonas reinhardtii</i> . <i>Scientific Reports</i> , 2017, 7, 10156.	3.3	47
90	Clinical Metabolomics: The New Metabolic Window for Inborn Errors of Metabolism Investigations in the Post-Genomic Era. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1167.	4.1	92

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91	Omics-Based Strategies in Precision Medicine: Toward a Paradigm Shift in Inborn Errors of Metabolism Investigations. <i>International Journal of Molecular Sciences</i> , 2016, 17, 1555.	4.1	135
92	Differentiation of gonyautoxins by ion mobility–mass spectrometry: A cationization study. <i>International Journal of Mass Spectrometry</i> , 2016, 402, 20-28.	1.5	8
93	Toward a Rational Design of Highly Folded Peptide Cation Conformations. 3D Gas-Phase Ion Structures and Ion Mobility Characterization. <i>Journal of the American Society for Mass Spectrometry</i> , 2016, 27, 1647-1660.	2.8	11
94	Readily functionalizable phosphonium-tagged fluorescent coumarins for enhanced detection of conjugates by mass spectrometry. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7777-7791.	2.8	13
95	Comparison of Atmospheric Pressure Ionization for the Analysis of Heavy Petroleum Fractions with Ion Mobility-Mass Spectrometry. <i>Energy & Fuels</i> , 2016, 30, 8896-8903.	5.1	56
96	IRMPD Spectroscopy: Evidence of Hydrogen Bonding in the Gas Phase Conformations of Lasso Peptides and their Branched-Cyclic Topoisomers. <i>Journal of Physical Chemistry A</i> , 2016, 120, 3810-3816.	2.5	15
97	Identification of an anti-inflammatory protein from <i>Faecalibacterium prausnitzii</i> , a commensal bacterium deficient in Crohn's disease. <i>Gut</i> , 2016, 65, 415-425.	12.1	585
98	Optimization of a liquid chromatography ion mobility-mass spectrometry method for untargeted metabolomics using experimental design and multivariate data analysis. <i>Analytica Chimica Acta</i> , 2016, 913, 55-62.	5.4	25
99	Atmospheric solid analysis probe mass spectrometry vs electrospray tandem mass spectrometry of polydimethylsiloxanes in positive and negative ionization modes. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 982-986.	1.5	12
100	Atmospheric Solid Analysis Probe-Ion Mobility Mass Spectrometry: An Original Approach to Characterize Grafting on Cyclic Olefin Copolymer Surfaces. <i>Langmuir</i> , 2015, 31, 13138-13144.	3.5	15
101	Metal-Directed Self-Assembly of a Polyoxometalate-Based Molecular Triangle: Using Powerful Analytical Tools to Probe the Chemical Structure of Complex Supramolecular Assemblies. <i>Chemistry - A European Journal</i> , 2015, 21, 19010-19015.	3.3	19
102	Gas-phase conformations of capistruin – comparison of lasso, branched–cyclic and linear topologies. <i>Rapid Communications in Mass Spectrometry</i> , 2015, 29, 1411-1419.	1.5	11
103	Ion Mobility–Mass Spectrometry of Lasso Peptides: Signature of a Rotaxane Topology. <i>Analytical Chemistry</i> , 2015, 87, 1166-1172.	6.5	48
104	Evaluation of atmospheric solid analysis probe ionization coupled to ion mobility mass spectrometry for characterization of poly(ether ether ketone) polymers. <i>Analytica Chimica Acta</i> , 2015, 856, 46-53.	5.4	14
105	Determination of Multimodal Isotopic Distributions: The Case of a ¹⁵ N Labeled Protein Produced into Hairy Roots. <i>Analytical Chemistry</i> , 2015, 87, 5938-5946.	6.5	3
106	Identification and separation of saxitoxins using hydrophilic interaction liquid chromatography coupled to traveling wave ion mobility-mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2015, 50, 175-181.	1.6	24
107	Electron detachment/photodetachment dissociation of lasso peptides. <i>International Journal of Mass Spectrometry</i> , 2015, 390, 91-100.	1.5	2
108	Investigation of Dendriplexes by Ion Mobility-Mass Spectrometry. <i>Molecules</i> , 2014, 19, 20731-20750.	3.8	2

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109	Structural characterization of arabinoxylans from two African plant species <i>Eragrostis nindensis</i> and <i>Eragrostis tef</i> using various mass spectrometric methods. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 908-916.	1.5	11
110	Rapid analysis of lubricants by atmospheric solid analysis probe-ion mobility mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 709-715.	1.6	29
111	Traveling Wave Ion Mobility Mass Spectrometry and Ab Initio Calculations of Phosphoric Acid Clusters. <i>Journal of the American Society for Mass Spectrometry</i> , 2014, 25, 572-580.	2.8	15
112	Use of transition metals to improve the diastereomers differentiation by ion mobility and mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2014, 49, 423-427.	1.6	22
113	Penning ionization-FT-ICR: Application to diesel fuel analysis. <i>International Journal of Mass Spectrometry</i> , 2014, 367, 35-42.	1.5	2
114	Exploration of polyamide structure-property relationships by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1697-1704.	1.5	1
115	Rapid analysis of polyester and polyethylene blends by ion mobility-mass spectrometry. <i>Polymer Chemistry</i> , 2014, 5, 3576-3582.	3.9	28
116	Glycine-modified polyamidoamine dendrimers: synthesis and structural characterization using nuclear magnetic resonance, ion-mobility mass spectrometry and capillary electrophoresis. <i>RSC Advances</i> , 2014, 4, 1744-1753.	3.6	7
117	Enantiomeric differentiation of aromatic amino acids using traveling wave ion mobility-mass spectrometry. <i>Chemical Science</i> , 2014, 5, 3234-3239.	7.4	75
118	Vacuum Ultraviolet Photoionization Study of Gas Phase Vitamins A and B1 Using Aerosol Thermodesorption and Synchrotron Radiation. <i>Journal of Physical Chemistry A</i> , 2014, 118, 11185-11192.	2.5	10
119	Direct TLC/MALDI-MS coupling for modified polyamidoamine dendrimers analyses. <i>Analytica Chimica Acta</i> , 2014, 808, 144-150.	5.4	14
120	Tandem mass spectrometry of low solubility polyamides. <i>Analytica Chimica Acta</i> , 2014, 808, 3-9.	5.4	7
121	Role of Cationization and Multimers Formation for Diastereomers Differentiation by Ion Mobility-Mass Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1437-1445.	2.8	46
122	Instrumental Dependent Dissociations of n-Propyl/Isopropyl Phosphonate Isomers: Evaluation of Resonant and Non-Resonant Vibrational Activations. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 1260-1270.	2.8	5
123	Critical Evaluation of Kinetic Method Measurements: Possible Origins of Nonlinear Effects. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 365-380.	2.8	16
124	Unimolecular dissociation characteristics of cationic complexes between nicotinic acid and Cu(II) and Ni(II). <i>International Journal of Mass Spectrometry</i> , 2013, 354-355, 165-174.	1.5	4
125	Prompt and Slow Electron Detachment/Dissociation/Electron Photodetachment/Dissociation of a 21-Mer Peptide. <i>Chemistry - A European Journal</i> , 2013, 19, 350-357.	3.3	2
126	Identification of Ion Series Using Ion Mobility Mass Spectrometry: The Example of Alkyl-Benzothiophene and Alkyl-Dibenzothiophene Ions in Diesel Fuels. <i>Analytical Chemistry</i> , 2013, 85, 5530-5534.	6.5	20

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127	High-resolution mass spectrometry and partial de novo sequencing constitute a useful approach for determining the profile of chemokine secretion following the stimulation of human intestinal epithelial cells. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 2179-2187.	1.5	2
128	Electronic Effects of 11 β -Substituted 17 β -Estradiol Derivatives and Instrumental Effects on the Relative Gas Phase Acidity. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 2167-2177.	2.8	4
129	Atmospheric Solid Analysis Probe Ion Mobility Mass Spectrometry of Polypropylene. <i>Analytical Chemistry</i> , 2012, 84, 9349-9354.	6.5	57
130	Determination of Peptide Topology through Time-Resolved Double-Resonance under Electron Capture Dissociation Conditions. <i>Analytical Chemistry</i> , 2012, 84, 4957-4964.	6.5	20
131	Elegant Approach to the Synthesis of a Unique Heteroleptic Cyclometalated Iridium(III)-Polyoxometalate Conjugate. <i>Organometallics</i> , 2012, 31, 35-38.	2.3	66
132	Formation and Characterization of Gaseous Adducts of Carbon Dioxide to Magnesium, (CO ₂)MgX ⁺ (X=OH, Cl, Br). <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6938-6941.	13.8	46
133	Origin of enantioselective reduction of quaternary copper d,l amino acid complexes under vibrational activation conditions. <i>International Journal of Mass Spectrometry</i> , 2012, 312, 185-194.	1.5	7
134	Comparison of collision-induced dissociation and electron-induced dissociation of singly charged mononucleotides. <i>International Journal of Mass Spectrometry</i> , 2012, 316-318, 140-146.	1.5	10
135	Gas phase doubly charged complexes of cyclic peptides with copper in +1, +2 and +3 formal oxidation states: formation, structures and electron capture dissociation. <i>Journal of Mass Spectrometry</i> , 2012, 47, 208-220.	1.6	17
136	Hybrid Polyoxometalates: Keggin and Dawson Silyl Derivatives as Versatile Platforms. <i>Journal of Organic Chemistry</i> , 2011, 76, 3107-3112.	3.2	66
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