

Laurence Charles

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.

170
papers

3,425
citations

32
h-index

48
g-index

174
ext. papers

3,859
ext. citations

5.2
avg. IF

5.62
L-index

#	Paper	IF	Citations
170	Enantioselective Synthesis of Acyclic Stereotriads Featuring Fluorinated Tetrasubstituted Stereocenters. <i>Chemistry - A European Journal</i> , 2021 , 28, e202103874	4.8	
169	Design of Abiological Digital Poly(phosphodiester)s. <i>Accounts of Chemical Research</i> , 2021 , 54, 1791-1800	24.3	9
168	Storing the portrait of Antoine de Lavoisier in a single macromolecule. <i>Comptes Rendus Chimie</i> , 2021 , 24, 69-76	2.7	3
167	Precisely Defined Aptamer--Poly(phosphodiester) Conjugates Prepared by Phosphoramidite Polymer Chemistry.. <i>ACS Macro Letters</i> , 2021 , 10, 481-485	6.6	3
166	Triple Stack of a Viologen Derivative in a CB[10] Pair. <i>Organic Letters</i> , 2021 , 23, 5283-5287	6.2	3
165	Indirect Tertiary Alcohol Enantiocontrol by Acylative Organocatalytic Kinetic Resolution. <i>Organic Letters</i> , 2021 , 23, 4332-4336	6.2	7
164	Switching from Single to Simultaneous Free-Radical and Anionic Polymerization with Enamine-Based Organic Electron Donors. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19389-19396	16.4	3
163	Switching from Single to Simultaneous Free-Radical and Anionic Polymerization with Enamine-Based Organic Electron Donors. <i>Angewandte Chemie</i> , 2021 , 133, 19538-19545	3.6	
162	Using solid-state nuclear magnetic resonance to rationalize best efficiency of 2,6-dihydroxybenzoic acid over other 2,X-dihydroxybenzoic acid isomers in solvent-free matrix-assisted laser desorption/ionization of poly(ethylene glycol). <i>Rapid Communications in Mass Spectrometry</i> , 2021 , 35, 2021	2.2	1
161	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. <i>Angewandte Chemie</i> , 2021 , 133, 930-939	3.6	0
160	Precise Alkoxyamine Design to Enable Automated Tandem Mass Spectrometry Sequencing of Digital Poly(phosphodiester)s. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 917-926	16.4	6
159	Synthesis and sequencing of informational poly(amino phosphodiester)s. <i>Polymer Chemistry</i> , 2021 , 12, 5279-5282	4.9	0
158	Desorption Electrospray Ionization (DESI) of Digital Polymers: Direct Tandem Mass Spectrometry Decoding and Imaging from Materials Surfaces. <i>Advanced Materials Technologies</i> , 2021 , 6, 2001088	6.8	6
157	Reactive Desorption Electrospray Ionization Mass Spectrometry To Determine Intrinsic Degradability of Poly(lactic--glycolic acid) Chains. <i>Analytical Chemistry</i> , 2021 , 93, 12041-12048	7.8	1
156	Design of Experiments for Matrix-Assisted Laser Desorption/Ionization of Amphiphilic Poly(Ethylene Oxide)-b-Polystyrene Block Copolymers. <i>Frontiers in Chemistry</i> , 2021 , 9, 740495	5	0
155	High-Capacity Digital Polymers: Storing Images in Single Molecules. <i>Macromolecules</i> , 2020 , 53, 4022-4029	9.5	23
154	Optimal conditions for tandem mass spectrometric sequencing of information-containing nitrogen-substituted polyurethanes. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34, e8815	2.2	4

153	Mass Spectrometry-Based Analytical Strategy for Comprehensive Molecular Characterization of Biodegradable Poly(lactic-glycolic Acid) Copolymers. <i>Journal of the American Society for Mass Spectrometry</i> , 2020 , 31, 1554-1562	3.5	2
152	Ion mobility spectrometry - Mass spectrometry coupling for synthetic polymers. <i>Rapid Communications in Mass Spectrometry</i> , 2020 , 34 Suppl 2, e8624	2.2	9
151	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 3264-3271	16.4	34
150	Stereoselective Syntheses, Structures, and Properties of Extremely Distorted Chiral Nanographenes Embedding Hextuple Helicenes. <i>Angewandte Chemie</i> , 2020 , 132, 3290-3297	3.6	19
149	Promoting carboxylate salts in the ESI source to simplify positive mode MS/MS sequencing of acid-terminated encoded polyurethanes. <i>International Journal of Mass Spectrometry</i> , 2020 , 448, 116271	1.9	4
148	Damage and Repair in Informational Poly(N-substituted urethane)s. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 20390-20393	16.4	6
147	Damage and Repair in Informational Poly(N-substituted urethane)s. <i>Angewandte Chemie</i> , 2020 , 132, 20536-20537	16.4	6
146	Selective Bond Cleavage in Informational Poly(Alkoxyamine Phosphodiester)s. <i>Macromolecular Rapid Communications</i> , 2020 , 41, e2000215	4.8	4
145	Photo-editable macromolecular information. <i>Nature Communications</i> , 2019 , 10, 3774	17.4	27
144	Revealing Data Encrypted in Sequence-Controlled Poly(Alkoxyamine Phosphodiester)s by Combining Ion Mobility with Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2019 , 91, 7266-7272	7.8	11
143	Collision-induced dissociation of stable nitroxides: A combined tandem mass spectrometry and computational study of TEMPO and SG1. <i>European Journal of Mass Spectrometry</i> , 2019 , 25, 229-238	1.1	1
142	A Cucurbit[8]uril 2:2 Complex with a Negative pK Shift. <i>Chemistry - A European Journal</i> , 2019 , 25, 12552-12559	12.5	10
141	Efficient Protocol for the Synthesis of N-Coded Oligo- and Poly(N-Substituted Urethanes). <i>ACS Macro Letters</i> , 2019 , 8, 1002-1005	6.6	13
140	Triangular Regulation of Cucurbit[8]uril 1:1 Complexes. <i>Journal of the American Chemical Society</i> , 2019 , 141, 5897-5907	16.4	16
139	Universal Soluble Polymer Supports with Precisely Controlled Loading Capacity for Sequence-Defined Oligomer Synthesis. <i>Journal of Polymer Science Part A</i> , 2019 , 57, 403-410	2.5	3
138	Homolysis of C ON bonds during MS/MS of oligo(alkoxyamine amide) protomers. <i>International Journal of Mass Spectrometry</i> , 2019 , 438, 29-35	1.9	1
137	Cleavable Binary Dyads: Simplifying Data Extraction and Increasing Storage Density in Digital Polymers. <i>Angewandte Chemie</i> , 2018 , 130, 6374-6377	3.6	11
136	Adduction of ammonium to polylactides to modify their dissociation behavior in collision-induced dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2018 , 32, 423-430	2.2	3

135	Catalyst- and Initiator-Free Radical Addition under Mild Conditions: A Macromolecular Conjugation Tool. <i>Chemistry - A European Journal</i> , 2018 , 24, 3699-3702	4.8	2
134	Cleavable Binary Dyads: Simplifying Data Extraction and Increasing Storage Density in Digital Polymers. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 6266-6269	16.4	32
133	Abiotic Sequence-Coded Oligomers as Efficient In Vivo Taggants for the Identification of Implanted Materials. <i>Angewandte Chemie</i> , 2018 , 130, 10734-10738	3.6	10
132	Convenient Graphical Visualization of Messages Encoded in Sequence-Defined Synthetic Polymers Using Kendrick Mass Defect Analysis of their MS/MS Data. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1800173	2.6	5
131	Abiotic Sequence-Coded Oligomers as Efficient In Vivo Taggants for the Identification of Implanted Materials. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10574-10578	16.4	27
130	Alkylperoxyl spin adducts of pyrroline-N-oxide spin traps: Experimental and theoretical CASSCF study of the unimolecular decomposition in organic solvent, potential applications in water. <i>Journal of Physical Organic Chemistry</i> , 2017 , 30, e3677	2.1	
129	A Simple Post-Polymerization Modification Method for Controlling Side-Chain Information in Digital Polymers. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7297-7301	16.4	41
128	Controlling the structure of sequence-defined poly(phosphodiester)s for optimal MS/MS reading of digital information. <i>Journal of Mass Spectrometry</i> , 2017 , 52, 788-798	2.2	25
127	MS/MS-Assisted Design of Sequence-Controlled Synthetic Polymers for Improved Reading of Encoded Information. <i>Journal of the American Society for Mass Spectrometry</i> , 2017 , 28, 1149-1159	3.5	32
126	Sequence-coded ATRP macroinitiators. <i>Polymer Chemistry</i> , 2017 , 8, 4988-4991	4.9	9
125	Identification-Tagging of Methacrylate-Based Intraocular Implants Using Sequence Defined Polyurethane Barcodes. <i>Advanced Functional Materials</i> , 2017 , 27, 1604595	15.6	46
124	MS-DECODER: Milliseconds Sequencing of Coded Polymers. <i>Macromolecules</i> , 2017 , 50, 8290-8296	5.5	32
123	Mass spectrometry sequencing of long digital polymers facilitated by programmed inter-byte fragmentation. <i>Nature Communications</i> , 2017 , 8, 967	17.4	71
122	2D Sequence-Coded Oligourethane Barcodes for Plastic Materials Labeling. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700426	4.8	31
121	Negative mode MS/MS to read digital information encoded in sequence-defined oligo(urethane)s: A mechanistic study. <i>International Journal of Mass Spectrometry</i> , 2017 , 421, 271-278	1.9	14
120	Eine einfache Methode der nachträglichen Modifizierung zur Kontrolle der Seitenketteninformation digitaler Polymere. <i>Angewandte Chemie</i> , 2017 , 129, 7403-7407	3.6	14
119	Tandem Mass Spectrometry Sequencing of Sequence-Controlled and Sequence-Defined Synthetic Polymers 2017 , 479-504		
118	Photocontrolled Synthesis of Abiotic Sequence-Defined Oligo(Phosphodiester)s. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1700651	4.8	10

117	Synthesis of oligoarylacetylenes with defined conjugated sequences using tailor-made soluble polymer supports. <i>Chemical Communications</i> , 2017 , 53, 8312-8315	5.8	14
116	Generation of doubly charged species from small synthetic polymers in a high pressure MALDI source. <i>International Journal of Mass Spectrometry</i> , 2017 , 416, 46-52	1.9	7
115	Negative Ion Mode Electrospray Tandem Mass Spectrometry of Hydroxy-Terminated Polydimethylsiloxanes Formed upon Methanolysis. <i>Mass Spectrometry</i> , 2017 , 6, A0057	1.7	
114	Orthogonal Synthesis of "Easy-to-Read" Information-Containing Polymers Using Phosphoramidite and Radical Coupling Steps. <i>Journal of the American Chemical Society</i> , 2016 , 138, 9417-20	16.4	85
113	A Fluorinated Bola-Amphiphilic Dendrimer for On-Demand Delivery of siRNA, via Specific Response to Reactive Oxygen Species. <i>Advanced Functional Materials</i> , 2016 , 26, 8594-8603	15.6	44
112	Orthogonal Synthesis of Xeno Nucleic Acids. <i>Chemistry - A European Journal</i> , 2016 , 22, 17945-17948	4.8	3
111	Optimal ATRP-Made Soluble Polymer Supports for Phosphoramidite Chemistry. <i>Chemistry - A European Journal</i> , 2016 , 22, 3462-3469	4.8	9
110	Mass spectrometry of nitroxide-terminated poly(4-vinylpyridine): A case of unwanted reactive MALDI. <i>International Journal of Mass Spectrometry</i> , 2016 , 405, 50-58	1.9	5
109	A well-defined block copolymer synthesis via living cationic polymerization and nitroxide-mediated polymerization using carboxylic acid-based alkoxyamines as a dual initiator. <i>Polymer Chemistry</i> , 2016 , 7, 1659-1667	4.9	23
108	Structural characterization of polymethoxymethylsiloxanes by electrospray ionization tandem mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2016 , 402, 42-48	1.9	6
107	Coupling of size-exclusion chromatography with electrospray ionization charge-detection mass spectrometry for the characterization of synthetic polymers of ultra-high molar mass. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 132-6	2.2	14
106	MS/MS Digital Readout: Analysis of Binary Information Encoded in the Monomer Sequences of Poly(triazole amide)s. <i>Analytical Chemistry</i> , 2016 , 88, 3715-22	7.8	46
105	Chemoselective Synthesis of Uniform Sequence-Coded Polyurethanes and Their Use as Molecular Tags. <i>Chem</i> , 2016 , 1, 114-126	16.2	75
104	Straightforward and Controlled Shape Access to Efficient Macrocyclic Imidazolylboronium Anion Receptors. <i>Chemistry - A European Journal</i> , 2016 , 22, 8937-42	4.8	23
103	Tandem mass spectrometry sequencing in the negative ion mode to read binary information encoded in sequence-defined poly(alkoxyamine amide)s. <i>Rapid Communications in Mass Spectrometry</i> , 2016 , 30, 22-8	2.2	24
102	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequence-Coded Polymer Barcodes. <i>Angewandte Chemie</i> , 2016 , 128, 10880-10883	3.6	14
101	Multidimensional mass spectrometry to characterize degradation products generated during MALDI of polystyrenes prepared by controlled radical polymerization techniques. <i>Journal of Polymer Science Part A</i> , 2016 , 54, 3388-3397	2.5	3
100	Coding in 2D: Using Intentional Dispersity to Enhance the Information Capacity of Sequence-Coded Polymer Barcodes. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10722-5	16.4	53

99	Synthesis of polystyrene-grafted cellulose acetate copolymers via nitroxide-mediated polymerization. <i>Polymer Chemistry</i> , 2015 , 6, 5244-5253	4.9	25
98	Comprehensive Synthesis of Monohydroxy-Cucurbit[n]urils (n = 5, 6, 7, 8): High Purity and High Conversions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 10238-45	16.4	71
97	MS/MS Sequencing of Digitally Encoded Poly(alkoxyamine amide)s. <i>Macromolecules</i> , 2015 , 48, 4319-4328	8.5	53
96	Synthesis of non-natural sequence-encoded polymers using phosphoramidite chemistry. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5629-35	16.4	148
95	Anomerization of Acrylated Glucose During Traveling Wave Ion Mobility Spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2015 , 26, 1483-93	3.5	0
94	Synthesis of Monodisperse Sequence-Coded Polymers with Chain Lengths above DP100. <i>ACS Macro Letters</i> , 2015 , 4, 1077-1080	6.6	119
93	Convergent synthesis of digitally-encoded poly(alkoxyamine amide)s. <i>Chemical Communications</i> , 2015 , 51, 15677-80	5.8	41
92	Structural characterization of new defective molecules in poly(amidoamide) dendrimers by combining mass spectrometry and nuclear magnetic resonance. <i>Analytica Chimica Acta</i> , 2015 , 853, 451-459	6.6	9
91	Preparation of Information-Containing Macromolecules by Ligation of Dyad-Encoded Oligomers. <i>Chemistry - A European Journal</i> , 2015 , 21, 11961-5	4.8	47
90	Elucidation of a side reaction occurring during nitroxide-mediated polymerization of cyclic ketene acetals by tandem mass spectrometric end-group analysis of aliphatic polyesters. <i>Rapid Communications in Mass Spectrometry</i> , 2015 , 29, 2302-8	2.2	4
89	Design and synthesis of digitally encoded polymers that can be decoded and erased. <i>Nature Communications</i> , 2015 , 6, 7237	17.4	214
88	Successful MALDI mass spectrometry of poly(4-vinylpyridine) using a solvent-free sample preparation. <i>International Journal of Mass Spectrometry</i> , 2015 , 376, 90-96	1.9	6
87	MALDI of synthetic polymers with labile end-groups. <i>Mass Spectrometry Reviews</i> , 2014 , 33, 523-43	11	55
86	Conformational sensitivity of conjugated poly(ethylene oxide)-poly(amidoamine) molecules to cations adducted upon electrospray ionization - a mass spectrometry, ion mobility and molecular modeling study. <i>Analytica Chimica Acta</i> , 2014 , 808, 163-74	6.6	16
85	Catalytic effect of cesium cation adduct formation on the decarboxylation of carboxylate ions in the gas phase. <i>Chemistry - A European Journal</i> , 2014 , 20, 815-23	4.8	2
84	Collision-induced cage folding of partially condensed polyhedral oligomeric silsesquioxanes (POSS) bearing naked and capped silanols. <i>Rapid Communications in Mass Spectrometry</i> , 2014 , 28, 1849-52	2.2	1
83	Use of doubly charged precursors to validate dissociation mechanisms of singly charged poly(dimethylsiloxane) oligomers. <i>Journal of the American Society for Mass Spectrometry</i> , 2013 , 24, 1123-9	3.5	9
82	Conformational changes of small PAMAM dendrimers as a function of their charge state: A combined electrospray mass spectrometry, traveling-wave ion mobility and molecular modeling study. <i>International Journal of Mass Spectrometry</i> , 2013 , 354-355, 235-241	1.9	5

81	Scope and limitations of the nitroxide-mediated radical ring-opening polymerization of cyclic ketene acetals. <i>Polymer Chemistry</i> , 2013 , 4, 4776	4.9	33
80	Heterogeneous modification of chitosan via nitroxide-mediated polymerization. <i>Polymer Chemistry</i> , 2013 , 4, 322-328	4.9	36
79	Structural characterization of a poly(methacrylic acid)/poly(methylmethacrylate) copolymer by activated electron photo-detachment dissociation. <i>International Journal of Mass Spectrometry</i> , 2013 , 333, 27-33	1.9	8
78	Collision-induced dissociation of synthetic polymers containing hydride groups: the case of poly(methylhydrosiloxane) homopolymers and poly(methylhydrosiloxane)-co-(dimethylsiloxane) copolymers. <i>Rapid Communications in Mass Spectrometry</i> , 2013 , 27, 88-96	2.2	15
77	End-group cleavage in MALDI of ATRP-made polystyrene: a silver-catalyzed reaction during sample preparation. <i>Analytical Chemistry</i> , 2013 , 85, 5454-62	7.8	7
76	Reactions of nitric oxide and nitrogen dioxide with coenzyme Q: involvement of the isoprenic chain. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 1399-406	3.9	4
75	Insights in the Architecture of Silicon-Based Plasma Polymers Using Partial Network Ethanolysis Combined with Electrospray Tandem Mass Spectrometry. <i>Plasma Processes and Polymers</i> , 2013 , 10, 271-284	3.4	10
74	Temporary intramolecular generation of pyridine carbenes in metal-free three-component C-H bond functionalisation/aryl-transfer reactions. <i>Chemistry - A European Journal</i> , 2013 , 19, 17578-83	4.8	43
73	Stability of SG1 nitroxide towards unprotected sugar and lithium salts: a preamble to cellulose modification by nitroxide-mediated graft polymerization. <i>Beilstein Journal of Organic Chemistry</i> , 2013 , 9, 1589-600	2.5	5
72	Fragmentation pathways of methacrylic homopolymers with labile trialkylsilyl ester side-groups: a mass spectrometric investigation of the RAFT process. <i>International Journal of Mass Spectrometry</i> , 2012 , 311, 31-39	1.9	4
71	Electrospray tandem mass spectrometry combined with authentic compound synthesis for structural characterization of an octamethylcyclotetrasiloxane plasma polymer. <i>International Journal of Mass Spectrometry</i> , 2012 , 313, 58-67	1.9	12
70	Efficient structural characterization of poly(methacrylic acid) by activated-electron photodetachment dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2012 , 23, 7-11	3.5	7
69	Characterization of ethanolysis products of poly(dimethylsiloxane) species by electrospray ionization tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 2057-67	2.2	24
68	Towards the rationalization of the MALDI process: a combined mass spectrometry/solid-state NMR approach. <i>Analytical Methods</i> , 2012 , 4, 3118	3.2	5
67	Measuring Gas-Phase Basicities Relative to the Lithium Cation by Mass Spectrometry: A Physical Chemistry Experiment. <i>Journal of Chemical Education</i> , 2012 , 89, 1476-1478	2.4	6
66	Synthesis of tris-hydroxymethyl-based nitron derivatives with highly reactive nitronyl carbon. <i>Journal of Organic Chemistry</i> , 2012 , 77, 938-48	4.2	6
65	Tandem mass spectrometry of electrosprayed polyhedral oligomeric silsesquioxane compounds with different substituents. <i>Rapid Communications in Mass Spectrometry</i> , 2012 , 26, 765-74	2.2	19
64	Synthesis and Characterization of Polyhedral Oligomeric Silsesquioxane-Core Star Polystyrene via Nitroxide-Mediated Polymerization. <i>ACS Symposium Series</i> , 2012 , 141-162	0.4	1

63	Successful MALDI-MS analysis of synthetic polymers with labile end-groups: the case of nitroxide-mediated polymerization using the MAMA-SG1 alkoxyamine. <i>Chemistry - A European Journal</i> , 2012 , 18, 7916-24	4.8	9
62	Dissociation characteristics of dihydride poly(dimethylsiloxane) ammonium adducts generated by electrospray ionization. <i>International Journal of Mass Spectrometry</i> , 2011 , 306, 70-76	1.9	15
61	Electrospray tandem mass spectrometry of poly(amino)ester dendrimers: Dissociation rules and structural characterization of defective molecules. <i>International Journal of Mass Spectrometry</i> , 2011 , 308, 56-64	1.9	3
60	Tandem mass spectrometry of trimethylsilyl-terminated poly(dimethylsiloxane) ammonium adducts generated by electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 649-58	3.5	34
59	Isomeric distinction of small oligosaccharides: a bottom-up approach using the kinetic method. <i>Journal of the American Society for Mass Spectrometry</i> , 2011 , 22, 1252-9	3.5	9
58	End-group characterization of poly(styrene sulfonate sodium salt) by activated electron photo-detachment dissociation. <i>Rapid Communications in Mass Spectrometry</i> , 2011 , 25, 3259-66	2.2	11
57	Use of X-band EPR to follow the reaction between various nucleophilic compounds and 2-methyl-2-nitrosopropane (MNP). <i>Analytical Methods</i> , 2011 , 3, 1582	3.2	
56	CO ₂ binding by dynamic combinatorial chemistry: an environmental selection. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3582-93	16.4	45
55	SG1-Functionalized Peptides as Precursors for Polymer/Peptide Conjugates: A Straightforward Approach. <i>Macromolecules</i> , 2010 , 43, 4864-4870	5.5	39
54	Synthesis of poly(amino)ester dendrimers via active cyanomethyl ester intermediates. <i>Journal of Organic Chemistry</i> , 2010 , 75, 8685-8	4.2	14
53	5-Hydroxy-2,2,6,6-tetramethyl-4-(2-methylprop-1-en-yl)cyclohex-4-ene-1,3-dione, a novel cheletropic trap for nitric oxide EPR detection. <i>Chemical Communications</i> , 2010 , 46, 3675-7	5.8	5
52	Combining EPR and ESI-MS/MS to study the reactivity of alkylthiols and cysteine towards 2-methyl-2-nitrosopropane (MNP). <i>Analytical Methods</i> , 2010 , 2, 694	3.2	4
51	A combined spin trapping/EPR/mass spectrometry approach to study the formation of a cyclic peroxide by dienolic precursor autoxidation. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1361-7	3.9	15
50	Structural characterisation of degradation products formed upon di-n-butyl phthalate radiolysis by high-performance liquid chromatography electrospray tandem mass spectrometry. <i>European Journal of Mass Spectrometry</i> , 2010 , 16, 595-603	1.1	1
49	Distinction and quantitation of sugar isomers in ternary mixtures using the kinetic method. <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 60-7	3.5	20
48	A study of the cesium cation bonding to carboxylate anions by the kinetic method and quantum chemical calculations. <i>Journal of Mass Spectrometry</i> , 2010 , 45, 520-7	2.2	10
47	Analytical strategy for the molecular weight determination of random copolymers of poly(methyl methacrylate) and poly(methacrylic acid). <i>Journal of the American Society for Mass Spectrometry</i> , 2010 , 21, 1075-85	3.5	17
46	Ene-reaction between a dienolic compound and 2-methyl-2-nitrosopropane: an EPR-MS study. <i>Tetrahedron Letters</i> , 2010 , 51, 6220-6223	2	2

45	Insights in Molecular Structure of Organosilicon Plasma Polymer Produced by Means of Atmospheric Pressure Dielectric Barrier Discharge Process. <i>Plasma Processes and Polymers</i> , 2010 , 7, 687-694	3.4	15
44	Methylation of acidic moieties in poly(methyl methacrylate-co-methacrylic acid) copolymers for end-group characterization by tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 1941-7	2.2	12
43	Structural characterization of poly(amino)ester dendrimers and related impurities by electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2010 , 24, 2207-16	2.2	8
42	Tandem mass spectrometry of poly(methacrylic Acid) oligomers produced by negative mode electrospray ionization. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 25-33	3.5	24
41	Redox reactions of copper(II) upon electrospray ionization in the presence of acridine ligands with an amide side chain. <i>Journal of Physical Organic Chemistry</i> , 2009 , 22, 229-233	2.1	28
40	Tuning block copolymer structural information by adjusting salt concentration in liquid chromatography at critical conditions coupled with electrospray tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 1476-82	2.2	21
39	Positive mode electrospray tandem mass spectrometry of poly(methacrylic acid) oligomers. <i>Rapid Communications in Mass Spectrometry</i> , 2009 , 23, 1557-62	2.2	22
38	Determination of block size in poly(ethylene oxide)-b-polystyrene block copolymers by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Journal of Polymer Science Part A</i> , 2009 , 47, 3380-3390	2.5	20
37	Solid state nuclear magnetic resonance as a tool to explore solvent-free MALDI samples. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 1906-11	3.5	13
36	Nucleophile addition of reduced glutathione on 2-methyl-2-nitroso compound: a combined electron paramagnetic resonance spectroscopy and electrospray tandem mass spectrometry study. <i>Journal of the American Society for Mass Spectrometry</i> , 2009 , 20, 2013-20	3.5	11
35	Structural characterization of a poly(methacrylic acid)-poly(methyl methacrylate) copolymer by nuclear magnetic resonance and mass spectrometry. <i>Analytica Chimica Acta</i> , 2009 , 654, 49-58	6.6	14
34	Improved compositional analysis of block copolymers using diffusion ordered NMR spectroscopy. <i>Analytica Chimica Acta</i> , 2009 , 654, 45-8	6.6	31
33	Molecular weight determination of block copolymers by pulsed gradient spin echo NMR. <i>Analytical Chemistry</i> , 2009 , 81, 8054-60	7.8	26
32	Role of the Adducted Cation in the Release of Nitroxide End Group of Controlled Polymer in Mass Spectrometry. <i>Macromolecules</i> , 2009 , 42, 1849-1859	5.5	35
31	Effect of in the mobile phase on the critical conditions of poly(ethylene glycol) in liquid chromatography-mass spectrometry coupling. <i>Analytical Methods</i> , 2009 , 1, 128-131	3.2	4
30	Generation and dissociation pathways of singly and doubly protonated bisguanidines in the gas phase. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 12097-103	2.8	41
29	Detection and identification of various carbon-centred free radicals using N-arylketonitrone: a spin trapping/EPR/MS study. <i>New Journal of Chemistry</i> , 2008 , 32, 680-688	3.6	8
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