

# Stephen J Blanksby

## List of Publications by Year in descending order

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216  
papers

10,142  
citations

50170

46  
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43802

91  
g-index

225  
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225  
docs citations

225  
times ranked

9302  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bond Dissociation Energies of Organic Molecules. <i>Accounts of Chemical Research</i> , 2003, 36, 255-263.	7.6	2,601
2	Advances in Mass Spectrometry for Lipidomics. <i>Annual Review of Analytical Chemistry</i> , 2010, 3, 433-465.	2.8	307
3	Ozone-Induced Dissociation: Elucidation of Double Bond Position within Mass-Selected Lipid Ions. <i>Analytical Chemistry</i> , 2008, 80, 303-311.	3.2	306
4	Mechanisms of Glycerol Dehydration. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6145-6156.	1.1	239
5	Elucidation of Double Bond Position in Unsaturated Lipids by Ozone Electro spray Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 5013-5022.	3.2	153
6	Switching radical stability by pH-induced orbital conversion. <i>Nature Chemistry</i> , 2013, 5, 474-481.	6.6	150
7	Mass Spectrometry Imaging with Isomeric Resolution Enabled by Ozone-Induced Dissociation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 10530-10534.	7.2	143
8	Negative-Ion Photoelectron Spectroscopy, Gas-Phase Acidity, and Thermochemistry of the Peroxyl Radicals CH <sub>3</sub> OO and CH <sub>3</sub> CH <sub>2</sub> OO. <i>Journal of the American Chemical Society</i> , 2001, 123, 9585-9596.	6.6	142
9	Human lens lipids differ markedly from those of commonly used experimental animals. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2008, 1781, 288-298.	1.2	142
10	Ozonolysis of Phospholipid Double Bonds during Electro spray Ionization: A New Tool for Structure Determination. <i>Journal of the American Chemical Society</i> , 2006, 128, 58-59.	6.6	140
11	Differentiation of Complex Lipid Isomers by Radical-Directed Dissociation Mass Spectrometry. <i>Analytical Chemistry</i> , 2012, 84, 7525-7532.	3.2	135
12	Ozone-induced dissociation on a modified tandem linear ion-trap: Observations of different reactivity for isomeric lipids. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 1989-1999.	1.2	124
13	Identification of double bond position in lipids: From GC to OzID. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009, 877, 2722-2735.	1.2	123
14	A Comparison of Patient Matched Meibum and Tear Lipidomes. , 2013, 54, 7417.		121
15	Structural characterization of glycerophospholipids by combinations of ozone- and collision-induced dissociation mass spectrometry: the next step towards "top-down" lipidomics. <i>Analyst</i> , 2014, 139, 204-214.	1.7	119
16	Ethylenedione: An Intrinsically Short-Lived Molecule. <i>Chemistry - A European Journal</i> , 1998, 4, 2550-2557.	1.7	118
17	Online Ozonolysis Combined with Ion Mobility-Mass Spectrometry Provides a New Platform for Lipid Isomer Analyses. <i>Analytical Chemistry</i> , 2018, 90, 1292-1300.	3.2	114
18	Analysis of unsaturated lipids by ozone-induced dissociation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2011, 1811, 807-817.	1.2	109

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19	Characterization of acyl chain position in unsaturated phosphatidylcholines using differential mobility-mass spectrometry. <i>Journal of Lipid Research</i> , 2014, 55, 1668-1677.	2.0	100
20	Surface analysis of lipids by mass spectrometry: More than just imaging. <i>Progress in Lipid Research</i> , 2013, 52, 329-353.	5.3	95
21	Clinical dyslipidaemia is associated with changes in the lipid composition and inflammatory properties of apolipoprotein-B-containing lipoproteins from women with type 2 diabetes. <i>Diabetologia</i> , 2012, 55, 1156-1166.	2.9	86
22	High-Pressure Ozone-Induced Dissociation for Lipid Structure Elucidation on Fast Chromatographic Timescales. <i>Analytical Chemistry</i> , 2017, 89, 4223-4229.	3.2	80
23	Heat of Formation of the Hydroperoxyl Radical HOO Via Negative Ion Studies. <i>Journal of Physical Chemistry A</i> , 2002, 106, 9641-9647.	1.1	75
24	The Lowest Singlet and Triplet States of the Oxyallyl Diradical. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8509-8511.	7.2	75
25	Rapid differentiation of isomeric lipids by photodissociation mass spectrometry of fatty acid derivatives. <i>Rapid Communications in Mass Spectrometry</i> , 2013, 27, 805-815.	0.7	68
26	Apocryphal FADS2 activity promotes fatty acid diversification in cancer. <i>Cell Reports</i> , 2021, 34, 108738.	2.9	68
27	Investigation of the gas phase reactivity of the 1-adamantyl radical using a distonic radical anion approach. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 3495.	1.5	66
28	Sphingolipid distribution changes with age in the human lens. <i>Journal of Lipid Research</i> , 2010, 51, 2753-2760.	2.0	66
29	Detection and Quantification of Tear Phospholipids and Cholesterol in Contact Lens Deposits: The Effect of Contact Lens Material and Lens Care Solution. , 2010, 51, 2843.		66
30	Therapy-induced lipid uptake and remodeling underpin ferroptosis hypersensitivity in prostate cancer. <i>Cancer &amp; Metabolism</i> , 2020, 8, 11.	2.4	63
31	Imaging of human lens lipids by desorption electrospray ionization mass spectrometry. <i>Journal of the American Society for Mass Spectrometry</i> , 2010, 21, 2095-2104.	1.2	61
32	Ozone-Induced Dissociation of Conjugated Lipids Reveals Significant Reaction Rate Enhancements and Characteristic Odd-Electron Product Ions. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 286-296.	1.2	61
33	Exercise alters the profile of phospholipid molecular species in rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2004, 97, 1823-1829.	1.2	60
34	Identification of phospholipids in human meibum by nano-electrospray ionisation tandem mass spectrometry. <i>Experimental Eye Research</i> , 2011, 92, 238-240.	1.2	59
35	Sequential Collision- and Ozone-Induced Dissociation Enables Assignment of Relative Acyl Chain Position in Triacylglycerols. <i>Analytical Chemistry</i> , 2016, 88, 2685-2692.	3.2	59
36	Identification of Abundant Alkyl Ether Glycerophospholipids in the Human Lens by Tandem Mass Spectrometry Techniques. <i>Analytical Chemistry</i> , 2009, 81, 1920-1930.	3.2	57

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37	Using ambient ozone for assignment of double bond position in unsaturated lipids. <i>Analyst</i> , 2012, 137, 1100-1110.	1.7	57
38	Gas-Phase Ion/Ion Reactions Involving Tris-Phenanthroline Alkaline Earth Metal Complexes as Charge Inversion Reagents for the Identification of Fatty Acids. <i>Analytical Chemistry</i> , 2018, 90, 12861-12869.	3.2	57
39	Conversion of Linear to Rhombic C <sub>4</sub> in the Gas Phase: A Joint Experimental and Theoretical Study. <i>Journal of the American Chemical Society</i> , 2000, 122, 7105-7113.	6.6	56
40	Ion-molecule reactions reveal facile radical migration in peptides. <i>Chemical Communications</i> , 2009, , 5015.	2.2	56
41	Gas-phase reactions of aryl radicals with 2-butyne: experimental and theoretical investigation employing the N-methyl-pyridinium-4-yl radical cation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 2417.	1.3	56
42	Enhancement of 1,2-dehydration of alcohols by alkali cations and protons: a model for dehydration of carbohydrates. <i>Journal of Analytical and Applied Pyrolysis</i> , 2003, 66, 3-27.	2.6	55
43	Toward Complete Structure Elucidation of Glycerophospholipids in the Gas Phase through Charge Inversion Ion/Ion Chemistry. <i>Analytical Chemistry</i> , 2020, 92, 1219-1227.	3.2	55
44	Direct Lipid Profiling of Single Cells from Inkjet Printed Microarrays. <i>Analytical Chemistry</i> , 2012, 84, 9679-9683.	3.2	53
45	Photoelectron spectroscopy of HCCN <sup>+</sup> and HCNC <sup>+</sup> reveals the quasilinear triplet carbenes, HCCN and HCNC. <i>Journal of Chemical Physics</i> , 2002, 117, 4323-4339.	1.2	52
46	Construction of interstellar cumulenes and heterocumulenes: Mass Spectrometric Studies. <i>Mass Spectrometry Reviews</i> , 1999, 18, 131-151.	2.8	51
47	Reactions of the hydroperoxide anion with dimethyl methylphosphonate in an ion trap mass spectrometer: evidence for a gas phase Î±-effect. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2316.	1.5	49
48	Mapping Unsaturation in Human Plasma Lipids by Data-Independent Ozone-Induced Dissociation. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 1621-1630.	1.2	48
49	Oxidation of 4-substituted TEMPO derivatives reveals modifications at the 1- and 4-positions. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 4936.	1.5	47
50	Mass Spectrometry Imaging of Lipids with Isomer Resolution Using High-Pressure Ozone-Induced Dissociation. <i>Analytical Chemistry</i> , 2021, 93, 9826-9834.	3.2	47
51	A comparison of the gas phase acidities of phospholipid headgroups: Experimental and computational studies. <i>Journal of the American Society for Mass Spectrometry</i> , 2005, 16, 926-939.	1.2	45
52	Reactions of simple and peptidic alpha-carboxylate radical anions with dioxygen in the gas phase. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 16314.	1.3	45
53	Gas-Phase Syntheses of Three Isomeric C <sub>5</sub> H <sub>2</sub> Radical Anions and Their Elusive Neutrals. A Joint Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 1998, 102, 9949-9956.	1.1	44
54	Polarized Infrared Absorption Spectrum of Matrix-Isolated Methylperoxyl Radicals, CH <sub>3</sub> OO Ẋf 2Ȧ. <i>Journal of Physical Chemistry A</i> , 2002, 106, 7547-7556.	1.1	44

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55	Sex-specific triacylglycerides are widely conserved in <i>Drosophila</i> and mediate mating behavior. <i>ELife</i> , 2014, 3, e01751.	2.8	44
56	Photoelectron Spectroscopic Study of the Oxyallyl Diradical. <i>Journal of Physical Chemistry A</i> , 2011, 115, 1634-1649.	1.1	43
57	Direct Evidence for Base-Mediated Decomposition of Alkyl Hydroperoxides (ROOH) in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2002, 124, 3196-3197.	6.6	42
58	Elucidating the chemical structure of native 1-deoxysphingosine. <i>Journal of Lipid Research</i> , 2016, 57, 1194-1203.	2.0	42
59	Mass spectrometry-directed structure elucidation and total synthesis of ultra-long chain (O-acyl)- $\beta$ -hydroxy fatty acids. <i>Journal of Lipid Research</i> , 2018, 59, 1510-1518.	2.0	42
60	Cumulenyl and heterocumulenyl anions: potential interstellar species?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2001, 328, 89-100.	1.6	41
61	Direct Observation of the Gas Phase Reaction of the Cyclohexyl Radical with Dioxygen Using a Distonic Radical Ion Approach. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1446-1456.	1.1	41
62	A rapid ambient ionization-mass spectrometry approach to monitoring the relative abundance of isomeric glycerophospholipids. <i>Scientific Reports</i> , 2015, 5, 9243.	1.6	41
63	Mass spectrometry as a tool to advance polymer science. <i>Nature Reviews Chemistry</i> , 2020, 4, 257-268.	13.8	41
64	Generation of Two Isomers of C <sub>5</sub> H from the Corresponding Anions. A Theoretically Motivated Mass Spectrometric Study. <i>Journal of Physical Chemistry A</i> , 1999, 103, 5161-5170.	1.1	39
65	UV Photodissociation Action Spectroscopy of Haloanilinium Ions in a Linear Quadrupole Ion Trap Mass Spectrometer. <i>Journal of the American Society for Mass Spectrometry</i> , 2013, 24, 932-940.	1.2	37
66	Syntheses of NCN and NC <sub>3</sub> N from Ionic Precursors in the Gas Phase and an Unusual Rearrangement of Neutral NC <sub>3</sub> N: A Joint Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11248-11256.	1.1	35
67	Ambient ionisation mass spectrometry for the characterisation of polymers and polymer additives: A review. <i>Analytica Chimica Acta</i> , 2014, 808, 70-82.	2.6	35
68	Generating Fatty Acid Profiles in the Gas Phase: Fatty Acid Identification and Relative Quantitation Using Ion/Ion Charge Inversion Chemistry. <i>Analytical Chemistry</i> , 2019, 91, 9032-9040.	3.2	35
69	Mapping Enzyme Activity on Tissue by Functional Mass Spectrometry Imaging. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 3855-3858.	7.2	35
70	A Combined Neutralization-Reionization Mass Spectrometric and Theoretical Study of Oxyallyl and Other Elusive [C <sub>3</sub> , H <sub>4</sub> , O] Neutrals. <i>European Journal of Organic Chemistry</i> , 1998, 1998, 987-1009.	1.2	34
71	Characterization of [M+H] <sup>+</sup> cations, radicals and anions of glycine in the gas phase: a combined experimental and ab initio study. <i>International Journal of Mass Spectrometry</i> , 1999, 182-183, 203-211.	0.7	34
72	Instability of the cellular lipidome with age. <i>Age</i> , 2012, 34, 935-947.	3.0	34

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73	Formation of Two Isomeric C <sub>3</sub> HO Radicals from Charged Precursors in the Gas Phase. Potential Interstellar Molecules. <i>Journal of Physical Chemistry A</i> , 2000, 104, 5817-5824.	1.1	33
74	Superoxide Does React with Peroxides: Direct Observation of the Haber-Weiss Reaction in the Gas Phase. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 4948-4950.	7.2	33
75	Isolation and characterization of charge-tagged phenylperoxyl radicals in the gas phase: direct evidence for products and pathways in low temperature benzene oxidation. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 16719.	1.3	33
76	Determination of ester position in isomeric (acyl)-hydroxy fatty acids by ion trap mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2351-2359.	0.7	31
77	Differential-Mobility Spectrometry of 1-Deoxysphingosine Isomers: New Insights into the Gas Phase Structures of Ionized Lipids. <i>Analytical Chemistry</i> , 2018, 90, 5343-5351.	3.2	31
78	Introduction of a Fixed-Charge, Photolabile Derivative for Enhanced Structural Elucidation of Fatty Acids. <i>Analytical Chemistry</i> , 2019, 91, 9901-9909.	3.2	31
79	Direct detection of additives and degradation products from polymers by liquid extraction surface analysis employing chip-based nanospray mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 412-418.	0.7	30
80	Mass spectrometric studies of the oxocarbons C <sub>n</sub> O <sub>n</sub> (n = 3-6). <i>International Journal of Mass Spectrometry</i> , 1999, 188, 17-25.	0.7	29
81	Phospholipid composition of the rat lens is independent of diet. <i>Experimental Eye Research</i> , 2008, 87, 502-514.	1.2	29
82	Concerted HO <sub>2</sub> Elimination from $\alpha$ -Aminoalkylperoxyl Free Radicals: Experimental and Theoretical Evidence from the Gas-Phase NH <sub>2</sub> <sup>+</sup> CHCO <sub>2</sub> <sup>+</sup> + O <sub>2</sub> Reaction. <i>Journal of Physical Chemistry Letters</i> , 2012, 3, 805-811.	2.1	29
83	Combining liquid chromatography with ozone-induced dissociation for the separation and identification of phosphatidylcholine double bond isomers. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5053-5064.	1.9	29
84	Selecting and identifying gas-phase protonation isomers of nicotineH <sup>+</sup> using combined laser, ion mobility and mass spectrometry techniques. <i>Faraday Discussions</i> , 2019, 217, 453-475.	1.6	29
85	Gas-Phase Transformation of Phosphatidylcholine Cations to Structurally Informative Anions via Ion/Ion Chemistry. <i>Analytical Chemistry</i> , 2013, 85, 3752-3757.	3.2	28
86	Mass Spectrometry Imaging with Isomeric Resolution Enabled by Ozone-Induced Dissociation. <i>Angewandte Chemie</i> , 2018, 130, 10690-10694.	1.6	28
87	Combining Charge-Switch Derivatization with Ozone-Induced Dissociation for Fatty Acid Analysis. <i>Journal of the American Society for Mass Spectrometry</i> , 2019, 30, 2135-2143.	1.2	28
88	Formation of Neutral C <sub>7</sub> H <sub>2</sub> Isomers from Four Isomeric C <sub>7</sub> H <sub>2</sub> Radical Anion Precursors in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2000, 104, 77-85.	1.1	27
89	Differences in membrane acyl phospholipid composition between an endothermic mammal and an ectothermic reptile are not limited to any phospholipid class. <i>Journal of Experimental Biology</i> , 2007, 210, 3440-3450.	0.8	27
90	OnLine Ozonolysis Methods for the Determination of Double Bond Position in Unsaturated Lipids. <i>Methods in Molecular Biology</i> , 2009, 579, 413-441.	0.4	27

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91	Automated surface sampling of lipids from worn contact lenses coupled with tandem mass spectrometry. <i>Analyst, The</i> , 2013, 138, 1316-1320.	1.7	26
92	Structural identification of hindered amine light stabilisers in coil coatings using electrospray ionisation tandem mass spectrometry. <i>Journal of Mass Spectrometry</i> , 2010, 45, 486-495.	0.7	25
93	Ion-Molecule Reactions of <i>O</i> , <i>S</i> -Dimethyl Methylphosphonothioate: Evidence for Intramolecular Sulfur Oxidation during VX Perhydrolysis. <i>Journal of Organic Chemistry</i> , 2009, 74, 9319-9327.	1.7	24
94	Desorption electrospray ionisation mass spectrometry reveals in situ modification of a hindered amine light stabiliser resulting from direct N-O bond cleavage. <i>Analyst, The</i> , 2011, 136, 904-912.	1.7	24
95	Time to Face the Fats: What Can Mass Spectrometry Reveal about the Structure of Lipids and Their Interactions with Proteins?. <i>Journal of the American Society for Mass Spectrometry</i> , 2012, 23, 1441-1449.	1.2	24
96	Ultraviolet photodissociation action spectroscopy of the N-pyridinium cation. <i>Journal of Chemical Physics</i> , 2015, 142, 014301.	1.2	24
97	Gas-Phase Chemical Separation of Phosphatidylcholine and Phosphatidylethanolamine Cations via Charge Inversion Ion/Ion Chemistry. <i>Analytical Chemistry</i> , 2015, 87, 11255-11262.	3.2	24
98	Formation and stability of gas-phase o-benzoquinone from oxidation of ortho-hydroxyphenyl: a combined neutral and distonic radical study. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 4320-4332.	1.3	24
99	Discrimination between Protonation Isomers of Quinazoline by Ion Mobility and UV-Photodissociation Action Spectroscopy. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4226-4231.	2.1	24
100	A Theoretical Study of C4B Isomers. The Interconversion of CCBC and CCCC via Cyclic C4B. <i>Journal of Physical Chemistry A</i> , 2003, 107, 10149-10153.	1.1	23
101	Ultraviolet photodissociation action spectroscopy of gas-phase protonated quinoline and isoquinoline cations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25882-25890.	1.3	23
102	Intersubject and Interday Variability in Human Tear and Meibum Lipidomes: A Pilot Study. <i>Ocular Surface</i> , 2016, 14, 43-48.	2.2	23
103	Wavelength-gated photoreversible polymerization and topology control. <i>Chemical Science</i> , 2020, 11, 2834-2842.	3.7	23
104	Next-generation derivatization reagents optimized for enhanced product ion formation in photodissociation-mass spectrometry of fatty acids. <i>Analyst, The</i> , 2021, 146, 156-169.	1.7	23
105	Ultraviolet Action Spectroscopy of Iodine Labeled Peptides and Proteins in the Gas Phase. <i>Journal of Physical Chemistry A</i> , 2013, 117, 1228-1232.	1.1	22
106	Polyselenoureas via Multicomponent Polymerizations Using Elemental Selenium as Monomer. <i>ACS Macro Letters</i> , 2018, 7, 898-903.	2.3	22
107	Resolving Sphingolipid Isomers Using Cryogenic Infrared Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 13638-13642.	7.2	22
108	Photodissociation of TEMPO-modified peptides: new approaches to radical-directed dissociation of biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 4871.	1.3	21

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109	Direct Observation of Photodissociation Products from Phenylperoxyl Radicals Isolated in the Gas Phase. <i>Journal of the American Chemical Society</i> , 2013, 135, 9010-9014.	6.6	20
110	Antibacterial anthranilic acid derivatives from <i>Geigeria parviflora</i> . <i>F5-toterap5-t5</i> , 2014, 93, 62-66.	1.1	20
111	ZnO Colloid Crystal Facet-Type Determines both Au Photodeposition and Photocatalytic Activity. <i>ACS Applied Nano Materials</i> , 2019, 2, 7856-7869.	2.4	20
112	Variation in the Relative Isomer Abundance of Synthetic and Biologically Derived Phosphatidylethanolols and Its Consequences for Reliable Quantification. <i>Journal of Analytical Toxicology</i> , 2021, 45, 76-83.	1.7	20
113	The Loss of Carbon Dioxide from Activated Perbenzoate Anions in the Gas Phase: A Unimolecular Rearrangement via Epoxidation of the Benzene Ring. <i>Journal of Organic Chemistry</i> , 2006, 71, 7996-8005.	1.7	19
114	Systematic differences in membrane acyl composition associated with varying body mass in mammals occur in all phospholipid classes: an analysis of kidney and brain. <i>Journal of Experimental Biology</i> , 2008, 211, 3195-3204.	0.8	19
115	Separation and Identification of Phosphatidylcholine Regioisomers by Combining Liquid Chromatography with a Fusion of Collision- and Ozone-Induced Dissociation. <i>European Journal of Mass Spectrometry</i> , 2015, 21, 191-200.	0.5	19
116	Preparation of an ion with the highest calculated proton affinity: ortho-diethynylbenzene dianion. <i>Chemical Science</i> , 2016, 7, 6245-6250.	3.7	19
117	Localization of Carbon-13 Carbon Double Bond and Cyclopropane Sites in Cardiolipins via Gas-Phase Charge Inversion Reactions. <i>Journal of the American Society for Mass Spectrometry</i> , 2021, 32, 455-464.	1.2	19
118	Tandem mass spectrometry of deprotonated iodothyronines. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 2295-2304.	0.7	18
119	Trapping of a tert-adamantyl peroxy radical in the gas phase. <i>Chemical Communications</i> , 2006, , 859.	2.2	18
120	The fragmentation pathways of protonated Amiton in the gas phase: towards the structural characterisation of organophosphorus chemical warfare agents by electrospray ionisation tandem mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2006, 20, 1939-1948.	0.7	18
121	PCCP does exist. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 2245-2250.	1.3	17
122	Base-Induced Decomposition of Alkyl Hydroperoxides in the Gas Phase. Part 3. Kinetics and Dynamics in HO <sup>•</sup> + CH <sub>3</sub> OOH, C <sub>2</sub> H <sub>5</sub> OOH, and <i>tert</i> -C <sub>4</sub> H <sub>9</sub> OOH Reactions. <i>Journal of Physical Chemistry A</i> , 2008, 112, 9516-9525.	1.1	17
123	Enhancing detection and characterization of lipids using charge manipulation in electrospray ionization-tandem mass spectrometry. <i>Chemistry and Physics of Lipids</i> , 2020, 232, 104970.	1.5	17
124	Charge-switch derivatization of fatty acid esters of hydroxy fatty acids via gas-phase ion/ion reactions. <i>Analytica Chimica Acta</i> , 2020, 1129, 31-39.	2.6	17
125	Hydroxyl radical formation in the gas phase oxidation of distonic 2-methylphenyl radical cations. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 20577.	1.3	16
126	Direct detection of brominated flame retardants from plastic e-waste using liquid extraction surface analysis mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2014, 28, 1203-1208.	0.7	16



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127	Characterising in situ activation and degradation of hindered amine light stabilisers using liquid extraction surface analysis-mass spectrometry. <i>Analytica Chimica Acta</i> , 2014, 808, 190-198.	2.6	16
128	Influence of Meibomian Gland Expression Methods on Human Lipid Analysis Results. <i>Ocular Surface</i> , 2016, 14, 49-55.	2.2	16
129	Discrimination of isobaric and isomeric lipids in complex mixtures by combining ultra-high pressure liquid chromatography with collision and ozone-induced dissociation. <i>International Journal of Mass Spectrometry</i> , 2018, 431, 27-36.	0.7	16
130	Characterisation of sphingolipids in the human lens by thin layer chromatographyâ€“desorption electrospray ionisation mass spectrometry. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 1285-1291.	1.2	15
131	Mapping the Compaction of Discrete Polymer Chains by Size Exclusion Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Macromolecules</i> , 2019, 52, 2597-2606.	2.2	15
132	Isomer-Resolved Imaging of Prostate Cancer Tissues Reveals Specific Lipid Unsaturation Profiles Associated With Lymphocytes and Abnormal Prostate Epithelia. <i>Frontiers in Endocrinology</i> , 2021, 12, 689600.	1.5	15
133	No turnover in lens lipids for the entire human lifespan. <i>ELife</i> , 2015, 4, .	2.8	15
134	The loss of CO from the ortho, meta and para forms of deprotonated methyl benzoate in the gas phase. <i>Perkin Transactions II RSC</i> , 2000, , 1665-1673.	1.1	14
135			

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145	The collision induced loss of carbon monoxide from deprotonated benzyl benzoate in the gas phase. An anionic 1,2-Wittig type rearrangement. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 1435-1442.	0.9	11
146	Conversion of neutral C <sub>2</sub> COC <sub>2</sub> to C <sub>4</sub> CO. potential interstellar molecules. <i>International Journal of Mass Spectrometry</i> , 2000, 195-196, 45-54.	0.7	11
147	Interstellar molecules. Conversion of C <sub>3</sub> O <sup>+</sup> to C <sub>3</sub> O in the gas phase. , 1999, 13, 2249-2251.		10
148	Generation and characterization of ionic and neutral dihydroxy boron B(OH) <sub>2</sub> <sup>+0</sup> in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2000, 197, 105-111.	0.7	10
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