

James F Carter

List of Publications by Year in descending order

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38
papers

906
citations

430843

18
h-index

477281

29
g-index

38
all docs

38
docs citations

38
times ranked

763
citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition of Chitin and Proteins in Invertebrate Cuticles Using Analytical Pyrolysis/Gas Chromatography and Pyrolysis/Gas Chromatography/Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1747-1757.	1.5	128
2	Isotopic characterisation of 3,4-methylenedioxyamphetamine and 3,4-methylenedioxymethylamphetamine (ecstasy). <i>Analyst, The</i> , 2002, 127, 830-833.	3.5	63
3	Forensic isotope ratio mass spectrometry of packaging tapes. <i>Analyst, The</i> , 2004, 129, 1206.	3.5	53
4	Support vector machines for the discrimination of analytical chemical data: application to the determination of tablet production by pyrolysis-gas chromatography-mass spectrometry. <i>Analyst, The</i> , 2004, 129, 175.	3.5	49
5	Identification of chlorophyll transformation products in zooplankton faecal pellets and marine sediment extracts by liquid chromatography/mass spectrometry atmospheric pressure chemical ionization. <i>Rapid Communications in Mass Spectrometry</i> , 1995, 9, 1177-1183.	1.5	45
6	Liquid chromatography/tandem mass spectrometry of free base alkyl porphyrins for the characterization of the macrocyclic substituents in components of complex mixtures. , 1999, 13, 568-573.		39
7	Isotopic and Elemental Composition of Roasted Coffee as a Guide to Authenticity and Origin. <i>Journal of Agricultural and Food Chemistry</i> , 2015, 63, 5771-5779.	5.2	39
8	Analysis of bacteriohopanepolyols in sediment and bacterial extracts by high performance liquid chromatography/atmospheric pressure chemical ionization mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1998, 12, 609-612.	1.5	38
9	Isotopic changes during the synthesis of amphetamines. <i>Chemical Communications</i> , 2002, , 2590-2591.	4.1	35
10	Bulk and compound-specific isotopic characterisation of illicit heroin and cling film. <i>Rapid Communications in Mass Spectrometry</i> , 2005, 19, 3207-3215.	1.5	35
11	The distribution of controlled drugs on banknotes via counting machines. <i>Forensic Science International</i> , 2003, 132, 106-112.	2.2	32
12	Stable isotope ratio mass spectrometry and physical comparison for the forensic examination of grip-seal plastic bags. <i>Forensic Science International</i> , 2008, 177, 214-220.	2.2	30
13	High-performance liquid chromatography-mass spectrometry of porphyrins by using an atmospheric pressure interface. <i>Journal of the American Society for Mass Spectrometry</i> , 1996, 7, 965-971.	2.8	25
14	Isotope ratio mass spectrometry as a tool for forensic investigation (examples from recent studies). <i>Science and Justice - Journal of the Forensic Science Society</i> , 2005, 45, 141-149.	2.1	25
15	Results of four inter-laboratory comparisons provided by the Forensic Isotope Ratio Mass Spectrometry (FIRMS) network. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2009, 49, 127-137.	2.1	23
16	Role of Five Synthetic Reaction Conditions on the Stable Isotopic Composition of 3,4-Methylenedioxymethylamphetamine. <i>Analytical Chemistry</i> , 2010, 82, 5484-5489.	6.5	22
17	Position-specific ¹³ C/ ¹² C analysis of amino acid carboxyl groups – automated flow-injection analysis based on reaction with ninhydrin. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 992-1000.	1.5	22
18	An initial evaluation of stable isotopic characterisation of post-blast plastic debris from improvised explosive devices. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2009, 49, 87-93.	2.1	21

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19	Detection of nucleotide bases in ancient seeds using gas chromatography/mass spectrometry and gas chromatography/mass spectrometry/mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1994, 8, 503-508.	1.5	19
20	Food Matrix Reference Materials for Hydrogen, Carbon, Nitrogen, Oxygen, and Sulfur Stable Isotope-Ratio Measurements: Collagens, Flours, Honeys, and Vegetable Oils. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 10852-10864.	5.2	18
21	Application of High Performance Liquid Chromatography/Mass Spectrometry with Electrospray Ionization to the Detection of DNA Nucleosides in Ancient Seeds. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 495-500.	1.5	17
22	Stable carbon isotope diagnostics of mammalian metabolism, a high-resolution isotomics approach using amino acid carboxyl groups. <i>PLoS ONE</i> , 2019, 14, e0224297.	2.5	17
23	Early Diagenetic Transformations of Proteins and Polysaccharides in Archaeological Plant Remains. <i>ACS Symposium Series</i> , 1998, , 113-131.	0.5	16
24	Feeding Sugars to Stingless Bees: Identifying the Origin of Trehalulose-Rich Honey Composition. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 10292-10300.	5.2	15
25	A stable isotope ratio approach to investigate the origins of illicit methylamphetamine in Queensland, Australia. <i>Forensic Chemistry</i> , 2019, 16, 100174.	2.8	12
26	The role of isotope ratio mass spectrometry as a tool for the comparison of physical evidence. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2014, 54, 327-334.	2.1	11
27	A comparison of plastic cable ties based on physical, chemical and stable isotopic measurements. <i>Science and Justice - Journal of the Forensic Science Society</i> , 2018, 58, 67-75.	2.1	9
28	The Validity of Protein in Australian Honey as an Internal Standard for C4 Sugar Adulteration. <i>Food Analytical Methods</i> , 2021, 14, 823-833.	2.6	7
29	A survey of novel MDA and MDMA precursors by isotope ratio mass spectrometry. <i>Forensic Chemistry</i> , 2021, 24, 100341.	2.8	7
30	A survey of amphetamine type stimulant nitrogen sources by isotope ratio mass spectrometry. <i>Forensic Chemistry</i> , 2021, 26, 100353.	2.8	7
31	A homogeneity study of cling films using stable isotope ratios. <i>Forensic Chemistry</i> , 2021, 23, 100320.	2.8	6
32	Recognition of Chitin and Proteins in Invertebrate Cuticles Using Analytical Pyrolysis/Gas Chromatography and Pyrolysis/Gas Chromatography/Mass Spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 1996, 10, 1747-1757.	1.5	5
33	The use of GC-MS-MS for the characterization of naturally occurring methyl alkanes. <i>Biomedical & Environmental Mass Spectrometry</i> , 1989, 18, 939-941.	1.6	4
34	Publication of the second edition of the FIRMS Good Practice Guide for Isotope Ratio Mass Spectrometry. <i>Forensic Chemistry</i> , 2018, 11, 97.	2.8	3
35	Isotope fractionation during the synthesis of MDMA.HCl from helional. <i>Forensic Chemistry</i> , 2022, 28, 100406.	2.8	3
36	Reaction of proteins with vehicle exhaust soot. <i>Biochemical Society Transactions</i> , 1996, 24, 179S-179S.	3.4	2

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37	Publication of the second edition of the FIRMS Network's <i>Good Practice Guide for Isotope Ratio Mass Spectrometry</i> . <i>Rapid Communications in Mass Spectrometry</i> , 2019, 33, 149-150.	1.5	2
38	The synthesis of MDA from helional and characterisation by isotope ratio mass spectrometry. <i>Forensic Chemistry</i> , 2022, 30, 100433.	2.8	2