

James F Carter

List of Publications by Year in descending order

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38
papers

906
citations

430874

18
h-index

477307

29
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38
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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. Rapid Communications in Mass Spectrometry, 1996, 10, 1747-1757.	1.5	128
2	Isotopic characterisation of 3,4-methylenedioxyamphetamine and 3,4-methylenedioxymethylamphetamine (ecstasy). Analyst, The, 2002, 127, 830-833.	3.5	63
3	Forensic isotope ratio mass spectrometry of packaging tapes. Analyst, The, 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. Analyst, The, 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. Rapid Communications in Mass Spectrometry, 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. Journal of Agricultural and Food Chemistry, 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. Rapid Communications in Mass Spectrometry, 1998, 12, 609-612.	1.5	38
9	Isotopic changes during the synthesis of amphetamines. Chemical Communications, 2002, , 2590-2591.	4.1	35
10	Bulk and compound-specific isotopic characterisation of illicit heroin and cling film. Rapid Communications in Mass Spectrometry, 2005, 19, 3207-3215.	1.5	35
11	The distribution of controlled drugs on banknotes via counting machines. Forensic Science International, 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. Forensic Science International, 2008, 177, 214-220.	2.2	30
13	High-performance liquid chromatography-mass spectrometry of porphyrins by using an atmospheric pressure interface. Journal of the American Society for Mass Spectrometry, 1996, 7, 965-971.	2.8	25
14	Isotope ratio mass spectrometry as a tool for forensic investigation (examples from recent studies). Science and Justice - Journal of the Forensic Science Society, 2005, 45, 141-149.	2.1	25
15	Results of four inter-laboratory comparisons provided by the Forensic Isotope Ratio Mass Spectrometry (FIRMS) network. Science and Justice - Journal of the Forensic Science Society, 2009, 49, 127-137.	2.1	23
16	Role of Five Synthetic Reaction Conditions on the Stable Isotopic Composition of 3,4-Methylenedioxymethylamphetamine. Analytical Chemistry, 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. Rapid Communications in Mass Spectrometry, 2018, 32, 992-1000.	1.5	22
18	An initial evaluation of stable isotopic characterisation of post-blast plastic debris from improvised explosive devices. Science and Justice - Journal of the Forensic Science Society, 2009, 49, 87-93.	2.1	21

#	ARTICLE	IF	CITATIONS
19	Detection of nucleotide bases in ancient seeds using gas chromatography/mass spectrometry and gas chromatography/mass spectrometry/mass spectrometry. Rapid Communications in Mass Spectrometry, 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. Journal of Agricultural and Food Chemistry, 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. Rapid Communications in Mass Spectrometry, 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. PLoS ONE, 2019, 14, e0224297.	2.5	17
23	Early Diagenetic Transformations of Proteins and Polysaccharides in Archaeological Plant Remains. ACS Symposium Series, 1998, , 113-131.	0.5	16
24	Feeding Sugars to Stingless Bees: Identifying the Origin of Trehalulose-Rich Honey Composition. Journal of Agricultural and Food Chemistry, 2021, 69, 10292-10300.	5.2	15
25	A stable isotope ratio approach to investigate the origins of illicit methylamphetamine in Queensland, Australia. Forensic Chemistry, 2019, 16, 100174.	2.8	12
26	The role of isotope ratio mass spectrometry as a tool for the comparison of physical evidence. Science and Justice - Journal of the Forensic Science Society, 2014, 54, 327-334.	2.1	11
27	A comparison of plastic cable ties based on physical, chemical and stable isotopic measurements. Science and Justice - Journal of the Forensic Science Society, 2018, 58, 67-75.	2.1	9
28	The Validity of Protein in Australian Honey as an Internal Standard for C4 Sugar Adulteration. Food Analytical Methods, 2021, 14, 823-833.	2.6	7
29	A survey of novel MDA and MDMA precursors by isotope ratio mass spectrometry. Forensic Chemistry, 2021, 24, 100341.	2.8	7
30	A survey of amphetamine type stimulant nitrogen sources by isotope ratio mass spectrometry. Forensic Chemistry, 2021, 26, 100353.	2.8	7
31	A homogeneity study of cling films using stable isotope ratios. Forensic Chemistry, 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. Rapid Communications in Mass Spectrometry, 1996, 10, 1747-1757.	1.5	5
33	The use of GC-MS-MS for the characterization of naturally occurring methyl alkanes. Biomedical & Environmental Mass Spectrometry, 1989, 18, 939-941.	1.6	4
34	Publication of the second edition of the FIRMS Good Practice Guide for Isotope Ratio Mass Spectrometry. Forensic Chemistry, 2018, 11, 97.	2.8	3
35	Isotope fractionation during the synthesis of MDMA.HCl from helional. Forensic Chemistry, 2022, 28, 100406.	2.8	3
36	Reaction of proteins with vehicle exhaust soot. Biochemical Society Transactions, 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>. Rapid Communications in Mass Spectrometry, 2019, 33, 149-150.	1.5	2
38	The synthesis of MDA from helional and characterisation by isotope ratio mass spectrometry. Forensic Chemistry, 2022, 30, 100433.	2.8	2