Serge Akoka

List of Publications by Year
in descending order

29 papers	932 citations	430874 18 h-index	477307 29 g-index
29 all docs	29 docs citations	29 times ranked	535 citing authors

#	Article	IF	Citations
1	A precise and rapid isotopomic analysis of small quantities of cholesterol at natural abundance by optimized 1H-13C 2D NMR. Analytical and Bioanalytical Chemistry, 2021, 413, 1521-1532.	3.7	13
2	Authentication of Agave Products through Isotopic Intramolecular ¹³C Content of Ethanol: Optimization and Validation of ¹³C Quantitative NMR Methodology. ACS Food Science & Technology, 2021, 1, 1316-1322.	2.7	4
3	Vanillin isotopic intramolecular 13C profile through polarization transfer NMR pulse sequence and statistical modelling. Food Control, 2021, 130, 108345.	5.5	6
4	Improved lipid mixtures profiling by 1H NMR using reference lineshape adjustment and deconvolution techniques. Talanta, 2020, 208, 120475.	5.5	4
5	NMR-based isotopic and isotopomic analysis. Progress in Nuclear Magnetic Resonance Spectroscopy, 2020, 120-121, 1-24.	7.5	33
6	Metabisotopomics of triacylglycerols from animal origin: A simultaneous metabolomic and isotopic profiling using 13C INEPT. Food Chemistry, 2020, 315, 126325.	8.2	7
7	Cholesterol, a powerful 13C isotopic biomarker. Analytica Chimica Acta, 2019, 1089, 115-122.	5.4	6
8	Combination of ¹³C and ²H <scp>SNIF</scp>â€<scp>NMR</scp> isotopic fingerprints of vanillin to control its precursors. Flavour and Fragrance Journal, 2019, 34, 133-144.	2.6	26
9	Positionâ€specific ¹⁵N isotope analysis in organic molecules: A highâ€precision ¹⁵N NMR method to determine the intramolecular ¹⁵N isotope composition and fractionation at natural abundance. Magnetic Resonance in Chemistry, 2019, 57, 1136-1142.	1.9	7
10	Olive oil characterization and classification by 13C NMR with a polarization transfer technique: A comparison with gas chromatography and 1H NMR. Food Chemistry, 2018, 245, 717-723.	8.2	29
11	Full Spectrum Isotopic ¹³C NMR Using Polarization Transfer for Position-Specific Isotope Analysis. Analytical Chemistry, 2018, 90, 8692-8699.	6.5	14
12	Isotope Ratio Monitoring 13 C Nuclear Magnetic Resonance Spectrometry for the Analysis of Position-Specific Isotope Ratios. Methods in Enzymology, 2017, 596, 369-401.	1.0	4
13	A strategy for simultaneous determination of fatty acid composition, fatty acid position, and position-specific isotope contents in triacylglycerol matrices by 13C-NMR. Analytical and Bioanalytical Chemistry, 2017, 409, 307-315.	3.7	22
14	Geoclimatic, morphological, and temporal effects on Lebanese olive oils composition and classification: A 1H NMR metabolomic study. Food Chemistry, 2017, 217, 379-388.	8.2	44
15	Precise and rapid isotopomic analysis by 1Hâ€“13C 2D NMR: Application to triacylglycerol matrices. Talanta, 2016, 156-157, 239-244.	5.5	17
16	¹³C isotopomics of triacylglycerols using NMR with polarization transfer techniques. Analytical Methods, 2015, 7, 4889-4891.	2.7	18
17	Internal Referencing for ¹³C Position-Specific Isotope Analysis Measured by NMR Spectrometry. Analytical Chemistry, 2015, 87, 7550-7554.	6.5	24
18	Suppression of radiation damping for high precision quantitative NMR. Journal of Magnetic Resonance, 2015, 259, 121-125.	2.1	14

#	Article	IF	Citations
19	Conditions to obtain precise and true measurements of the intramolecular 13C distribution in organic molecules by isotopic 13C nuclear magnetic resonance spectrometry. Analytica Chimica Acta, 2014, 846, 1-7.	5.4	30
20	Site-specific 13C content by quantitative isotopic 13C Nuclear Magnetic Resonance spectrometry: A pilot inter-laboratory study. Analytica Chimica Acta, 2013, 788, 108-113.	5.4	39
21	NMR spectrometry isotopic fingerprinting: A tool for the manufacturer for tracking Active Pharmaceutical Ingredients from starting materials to final medicines. European Journal of Pharmaceutical Sciences, 2013, 48, 464-473.	4.0	39
22	Comparison of IRMS and NMR spectrometry for the determination of intramolecular 13C isotope composition: Application to ethanol. Talanta, 2012, 99, 1035-1039.	5.5	33
23	Isotopic finger-printing of active pharmaceutical ingredients by 13C NMR and polarization transfer techniques as a tool to fight against counterfeiting. Talanta, 2011, 85, 1909-1914.	5.5	51
24	Performance Evaluation of Quantitative Adiabatic ¹³C NMR Pulse Sequences for Site-Specific Isotopic Measurements. Analytical Chemistry, 2010, 82, 5582-5590.	6.5	51
25	Improved Characterization of the Botanical Origin of Sugar by Carbon-13 SNIF-NMR Applied to Ethanol. Journal of Agricultural and Food Chemistry, 2010, 58, 11580-11585.	5.2	55
26	Isotopic 13C NMR spectrometry to assess counterfeiting of active pharmaceutical ingredients: Site-specific 13C content of aspirin and paracetamol. Journal of Pharmaceutical and Biomedical Analysis, 2009, 50, 336-341.	2.8	81
27	Precise and accurate quantitative 13C NMR with reduced experimental time. Talanta, 2007, 71, 1016-1021.	5.5	86
28	Accurate Quantitative ¹³C NMR Spectroscopy:â€‰ Repeatability over Time of Site-Specific ¹³C Isotope Ratio Determination. Analytical Chemistry, 2007, 79, 8266-8269.	6.5	90
29	Authentication of the Origin of Vanillin Using Quantitative Natural Abundance13C NMR. Journal of Agricultural and Food Chemistry, 2004, 52, 7782-7787.	5.2	85