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	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
2	Precise and accurate quantitative 13C NMR with reduced experimental time. Talanta, 2007, 71, 1016-1021.	5.5	86
3	Authentication of the Origin of Vanillin Using Quantitative Natural Abundance13C NMR. Journal of Agricultural and Food Chemistry, 2004, 52, 7782-7787.	5.2	85
4	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
5	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
6	Performance Evaluation of Quantitative Adiabatic ¹³C NMR Pulse Sequences for Site-Specific Isotopic Measurements. Analytical Chemistry, 2010, 82, 5582-5590.	6.5	51
7	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
8	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
9	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
10	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
11	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
12	NMR-based isotopic and isotopomic analysis. Progress in Nuclear Magnetic Resonance Spectroscopy, 2020, 120-121, 1-24.	7.5	33
13	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
14	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
15	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
16	Internal Referencing for ¹³C Position-Specific Isotope Analysis Measured by NMR Spectrometry. Analytical Chemistry, 2015, 87, 7550-7554.	6.5	24
17	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
18	¹³C isotopomics of triacylglycerols using NMR with polarization transfer techniques. Analytical Methods, 2015, 7, 4889-4891.	2.7	18

#	Article	IF	Citations
19	Precise and rapid isotopomic analysis by 1Hâ€“13C 2D NMR: Application to triacylglycerol matrices. Talanta, 2016, 156-157, 239-244.	5.5	17
20	Suppression of radiation damping for high precision quantitative NMR. Journal of Magnetic Resonance, 2015, 259, 121-125.	2.1	14
21	Full Spectrum Isotopic ¹³C NMR Using Polarization Transfer for Position-Specific Isotope Analysis. Analytical Chemistry, 2018, 90, 8692-8699.	6.5	14
22	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
23	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
24	Metabisotopomics of triacylglycerols from animal origin: A simultaneous metabolomic and isotopic profiling using 13C INEPT. Food Chemistry, 2020, 315, 126325.	8.2	7
25	Cholesterol, a powerful 13C isotopic biomarker. Analytica Chimica Acta, 2019, 1089, 115-122.	5.4	6
26	Vanillin isotopic intramolecular 13C profile through polarization transfer NMR pulse sequence and statistical modelling. Food Control, 2021, 130, 108345.	5.5	6
27	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
28	Improved lipid mixtures profiling by 1H NMR using reference lineshape adjustment and deconvolution techniques. Talanta, 2020, 208, 120475.	5.5	4
29	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