

William Craig Byrdwell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1552807/publications.pdf>

Version: 2024-02-01

45
papers

1,825
citations

331670

21
h-index

289244

40
g-index

46
all docs

46
docs citations

46
times ranked

1575
citing authors

#	ARTICLE	IF	CITATIONS
1	Atmospheric pressure chemical ionization mass spectrometry for analysis of lipids. <i>Lipids</i> , 2001, 36, 327-346.	1.7	253
2	Dual parallel electrospray ionization and atmospheric pressure chemical ionization mass spectrometry (MS), MS/MS and MS/MS/MS for the analysis of triacylglycerols and triacylglycerol oxidation products. <i>Rapid Communications in Mass Spectrometry</i> , 2002, 16, 300-319.	1.5	188
3	Vitamin D and Sterol Composition of 10 Types of Mushrooms from Retail Suppliers in the United States. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 7841-7853.	5.2	138
4	Analysis of triglycerides using atmospheric pressure chemical ionization mass spectrometry. <i>Lipids</i> , 1995, 30, 173-175.	1.7	116
5	Characterization of model triacylglycerol (triolein, trilinolein and trilinolenin) autoxidation products via high-performance liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometry. <i>Journal of Chromatography A</i> , 1998, 818, 169-186.	3.7	90
6	Dual parallel mass spectrometers for analysis of sphingolipid, glycerophospholipid and plasmalogen molecular species. , 1998, 12, 256-272.		78
7	Effect of Oleic and Linoleic Acids on the Production of Deep-Fried Odor in Heated Triolein and Trilinolein. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 899-905.	5.2	64
8	Triacylglycerol Analysis of Potential Margarine Base Stocks by High-Performance Liquid Chromatography with Atmospheric Pressure Chemical Ionization Mass Spectrometry and Flame Ionization Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2001, 49, 446-457.	5.2	60
9	The bottom-up solution to the triacylglycerol lipidome using atmospheric pressure chemical ionization mass spectrometry. <i>Lipids</i> , 2005, 40, 383-417.	1.7	60
10	Non-volatile products of triolein produced at frying temperatures characterized using liquid chromatography with online mass spectrometric detection. <i>Journal of Chromatography A</i> , 1999, 852, 417-432.	3.7	55
11	Liquid chromatography with dual parallel mass spectrometry and ³¹ P nuclear magnetic resonance spectroscopy for analysis of sphingomyelin and dihydrosphingomyelin. <i>Journal of Chromatography A</i> , 2007, 1146, 164-185.	3.7	54
12	Autoxidation products of normal and genetically modified canola oil varieties determined using liquid chromatography with mass spectrometric detection. <i>Journal of Chromatography A</i> , 2001, 905, 85-102.	3.7	48
13	Lipid-Protein Interactions in Human and Bovine Lens Membranes by Fourier Transform Raman and Infrared Spectroscopies. <i>Experimental Eye Research</i> , 1996, 62, 47-54.	2.6	46
14	Comparison of Analysis of Vitamin D ₃ in Foods Using Ultraviolet and Mass Spectrometric Detection. <i>Journal of Agricultural and Food Chemistry</i> , 2009, 57, 2135-2146.	5.2	44
15	Development and validation of control materials for the measurement of vitamin D ₃ in selected US foods. <i>Journal of Food Composition and Analysis</i> , 2008, 21, 527-534.	3.9	37
16	Effects of UV-B Radiation Levels on Concentrations of Phytosterols, Ergothioneine, and Polyphenolic Compounds in Mushroom Powders Used As Dietary Supplements. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 3034-3042.	5.2	37
17	Dual parallel liquid chromatography with dual mass spectrometry (LC2/MS2) for a total lipid analysis. <i>Frontiers in Bioscience - Landmark</i> , 2008, 13, 100.	3.0	36
18	³¹ P NMR quantification and monophasic solvent purification of human and bovine lens phospholipids. <i>Lipids</i> , 2002, 37, 1087-1092.	1.7	33

#	ARTICLE	IF	CITATIONS
19	Liquid chromatography with dual parallel mass spectrometry and ³¹ P nuclear magnetic resonance spectroscopy for analysis of sphingomyelin and dihydrosphingomyelin. <i>Journal of Chromatography A</i> , 2006, 1133, 149-171.	3.7	31
20	Vitamin D content and variability in fluid milks from a US Department of Agriculture nationwide sampling to update values in the National Nutrient Database for Standard Reference. <i>Journal of Dairy Science</i> , 2010, 93, 5082-5090.	3.4	31
21	"Dilute-and-shoot" triple parallel mass spectrometry method for analysis of vitamin D and triacylglycerols in dietary supplements. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3317-3334.	3.7	30
22	Quadruple parallel mass spectrometry for analysis of vitamin D and triacylglycerols in a dietary supplement. <i>Journal of Chromatography A</i> , 2013, 1320, 48-65.	3.7	25
23	Comprehensive Dual Liquid Chromatography with Quadruple Mass Spectrometry (LC1MS2 – LC1MS2 =) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 <i>Chemistry</i> , 2017, 89, 10537-10546.	6.5	23
24	Extraction and Characterization of Montmorency Sour Cherry (<i>Prunus cerasus</i> L.) Pit Oil. <i>JAOCs</i> , <i>Journal of the American Oil Chemists' Society</i> , 2016, 93, 995-1005.	1.9	21
25	Liquid chromatography with ultraviolet and dual parallel mass spectrometric detection for analysis of vitamin D in retail fortified orange juice. <i>Journal of Food Composition and Analysis</i> , 2011, 24, 299-306.	3.9	20
26	Vitamin D levels in fish and shellfish determined by liquid chromatography with ultraviolet detection and mass spectrometry. <i>Journal of Food Composition and Analysis</i> , 2013, 30, 109-119.	3.9	19
27	Triacylglycerol Structure and Composition of Hydrogenated Soybean Oil Margarine and Shortening Basestocks. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 4692-4695.	5.2	18
28	Dual Parallel Liquid Chromatography/Dual Mass Spectrometry (LC2/MS2) of Bovine Brain Total Lipid Extract. <i>Journal of Liquid Chromatography and Related Technologies</i> , 2003, 26, 3147-3181.	1.0	17
29	Structural characterization of clear human lens lipid membranes by near-infrared Fourier transform Raman spectroscopy. <i>Current Eye Research</i> , 1995, 14, 511-515.	1.5	16
30	Dual parallel mass spectrometry for lipid and vitamin D analysis. <i>Journal of Chromatography A</i> , 2010, 1217, 3992-4003.	3.7	16
31	The Updated Bottom Up Solution applied to mass spectrometry of soybean oil in a dietary supplement gelcap. <i>Analytical and Bioanalytical Chemistry</i> , 2015, 407, 5143-5160.	3.7	15
32	The Updated Bottom Up Solution Applied to Atmospheric Pressure Photoionization and Electrospray Ionization Mass Spectrometry. <i>JAOCs</i> , <i>Journal of the American Oil Chemists' Society</i> , 2015, 92, 1533-1547.	1.9	14
33	Three-dimensional liquid chromatography with parallel second dimensions and quadruple parallel mass spectrometry for adult/infant formula analysis. <i>Journal of Chromatography A</i> , 2022, 1661, 462682.	3.7	12
34	Analysis of triacylglycerol positional isomers in food products as brominated derivatives by high-performance liquid chromatography coupled with a flame ionization detection. <i>Journal of Chromatography A</i> , 2001, 912, 187-190.	3.7	11
35	Critical Ratios for structural analysis of triacylglycerols using mass spectrometry. <i>Lipid Technology</i> , 2015, 27, 258-261.	0.3	9
36	Qualitative and Quantitative Analysis of Triacylglycerols by Atmospheric Pressure Ionization (APCI) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50		

#	ARTICLE	IF	CITATIONS
37	Construction of a Wireless Communication Contact Closure System for Liquid Chromatography with Multiple Parallel Mass Spectrometers and Other Detectors. Journal of the Association for Laboratory Automation, 2014, 19, 461-467.	2.8	5
38	The Simulacrum System as a Construct for Mass Spectrometry of Triacylglycerols and Others. Lipids, 2016, 51, 211-227.	1.7	5
39	GC Analysis of Seven Seed Oils Containing Conjugated Fatty Acids. Separations, 2021, 8, 51.	2.4	5
40	Extract-filter-shoot liquid chromatography with mass spectrometry for the analysis of vitamin D2 in a powdered supplement capsule and standard reference material 3280. Journal of Separation Science, 2014, 37, 2095-2110.	2.5	4
41	A note on the use of workstation software programs for quantification. Journal of Liquid Chromatography and Related Technologies, 2019, 42, 570-574.	1.0	4
42	Dual Parallel Liquid Chromatography/Mass Spectrometry for Lipid Analysis. , 2005, , .		3
43	Timed relay contact closure controlled system for parallel second dimensions in multi-dimensional liquid chromatography. BMC Research Notes, 2019, 12, 477.	1.4	1
44	Fast comprehensive analysis of vitamin D and triacylglycerols in dietary supplements using multiple parallel mass spectrometers. Lipid Technology, 2015, 27, 151-154.	0.3	0
45	Liquid Chromatography- Mass Spectrometry of Triacylglycerols. , 2016, , 1-11.		0