William Craig Byrdwell

List of Publications by Year
in descending order

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	Three-dimensional liquid chromatography with parallel second dimensions and quadruple parallel mass spectrometry for adult/infant formula analysis. Journal of Chromatography A, 2022, 1661, 462682.	3.7	12
2	GC Analysis of Seven Seed Oils Containing Conjugated Fatty Acids. Separations, 2021, 8, 51.	2.4	5
3	Timed relay contact closure controlled system for parallel second dimensions in multi-dimensional liquid chromatography. BMC Research Notes, 2019, 12, 477.	1.4	1
4	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
5	Comprehensive Dual Liquid Chromatography with Quadruple Mass Spectrometry (LC1MS2 Ã— LC1MS2 =) Tj ETQq1 1 0.784314 rgBT /C Chemistry, 2017, 89, 10537-10546.	6.5	23
6	Extraction and Characterization of Montmorency Sour Cherry (Prunus cerasus L.) Pit Oil. JAOCS, Journal of the American Oil Chemists' Society, 2016, 93, 995-1005.	1.9	21
7	The Simulacrum System as a Construct for Mass Spectrometry of Triacylglycerols and Others. Lipids, 2016, 51, 211-227.	1.7	5
8	Liquid Chromatography- Mass Spectrometry of Triacylglycerols. , 2016, , 1-11.		0
9	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
10	Critical Ratios for structural analysis of triacylglycerols using mass spectrometry. Lipid Technology, 2015, 27, 258-261.	0.3	9
11	The Updated Bottom Up Solution Applied to Atmospheric Pressure Photoionization and Electrospray Ionization Mass Spectrometry. JAOCS, Journal of the American Oil Chemists' Society, 2015, 92, 1533-1547.	1.9	14
12	The Updated Bottom Up Solution applied to mass spectrometry of soybean oil in a dietary supplement gelcap. Analytical and Bioanalytical Chemistry, 2015, 407, 5143-5160.	3.7	15
13	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
14	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
15	Effects of UV-B Radiation Levels on Concentrations of Phytosterols, Ergothioneine, and Polyphenolic Compounds in Mushroom Powders Used As Dietary Supplements. Journal of Agricultural and Food Chemistry, 2014, 62, 3034-3042.	5.2	37
16	Quadruple parallel mass spectrometry for analysis of vitamin D and triacylglycerols in a dietary supplement. Journal of Chromatography A, 2013, 1320, 48-65.	3.7	25
17	Vitamin D levels in fish and shellfish determined by liquid chromatography with ultraviolet detection and mass spectrometry. Journal of Food Composition and Analysis, 2013, 30, 109-119.	3.9	19
18	Vitamin D and Sterol Composition of 10 Types of Mushrooms from Retail Suppliers in the United States. Journal of Agricultural and Food Chemistry, 2011, 59, 7841-7853.	5.2	138

#	Article	IF	Citations
19	â€œDilute-and-shootâ€•triple parallel mass spectrometry method for analysis of vitamin D and triacylglycerols in dietary supplements. Analytical and Bioanalytical Chemistry, 2011, 401, 3317-3334.	3.7	30
20	Liquid chromatography with ultraviolet and dual parallel mass spectrometric detection for analysis of vitamin D in retail fortified orange juice. Journal of Food Composition and Analysis, 2011, 24, 299-306.	3.9	20
21	Dual parallel mass spectrometry for lipid and vitamin D analysis. Journal of Chromatography A, 2010, 1217, 3992-4003.	3.7	16
22	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. Journal of Dairy Science, 2010, 93, 5082-5090.	3.4	31
23	Comparison of Analysis of Vitamin D₃ in Foods Using Ultraviolet and Mass Spectrometric Detection. Journal of Agricultural and Food Chemistry, 2009, 57, 2135-2146.	5.2	44
24	Development and validation of control materials for the measurement of vitamin D3 in selected US foods. Journal of Food Composition and Analysis, 2008, 21, 527-534.	3.9	37
25	Dual parallel liquid chromatography with dual mass spectrometry (LC2/MS2) for a total lipid analysis. Frontiers in Bioscience - Landmark, 2008, 13, 100.	3.0	36
26	Liquid chromatography with dual parallel mass spectrometry and 31P nuclear magnetic resonance spectroscopy for analysis of sphingomyelin and dihydrosphingomyelin. Journal of Chromatography A, 2007, 1146, 164-185.	3.7	54
27	Liquid chromatography with dual parallel mass spectrometry and 31P nuclear magnetic resonance spectroscopy for analysis of sphingomyelin and dihydrosphingomyelin. Journal of Chromatography A, 2006, 1133, 149-171.	3.7	31
28	Dual Parallel Liquid Chromatography/Mass Spectrometry for Lipid Analysis. , 2005, , .		3
29	Qualitative and Quantitative Analysis of Triacylglycerols by Atmospheric Pressure Ionization (APCI) Tj ETQq1 1 0.784314 rgBT /Overlo		8
30	The bottom-up solution to the triacylglycerol lipidome using atmospheric pressure chemical ionization mass spectrometry. Lipids, 2005, 40, 383-417.	1.7	60
31	Triacylglycerol Structure and Composition of Hydrogenated Soybean Oil Margarine and Shortening Basestocks. Journal of Agricultural and Food Chemistry, 2005, 53, 4692-4695.	5.2	18
32	Dual Parallel Liquid Chromatography/Dual Mass Spectrometry (LC2/MS2) of Bovine Brain Total Lipid Extract. Journal of Liquid Chromatography and Related Technologies, 2003, 26, 3147-3181.	1.0	17
33	31P NMR quantification and monophasic solvent purification of human and bovine lens phospholipids. Lipids, 2002, 37, 1087-1092.	1.7	33
34	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. Rapid Communications in Mass Spectrometry, 2002, 16, 300-319.	1.5	188
35	Triacylglycerol Analysis of Potential Margarine Base Stocks by High-Performance Liquid Chromatography with Atmospheric Pressure Chemical Ionization Mass Spectrometry and Flame Ionization Detection. Journal of Agricultural and Food Chemistry, 2001, 49, 446-457.	5.2	60
36	Effect of Oleic and Linoleic Acids on the Production of Deep-Fried Odor in Heated Triolein and Trilinolein. Journal of Agricultural and Food Chemistry, 2001, 49, 899-905.	5.2	64

#	Article	IF	Citations
37	Atmospheric pressure chemical ionization mass spectrometry for analysis of lipids. Lipids, 2001, 36, 327-346.	1.7	253
38	Analysis of triacylglycerol positional isomers in food products as brominated derivatives by high-performance liquid chromatography coupled with a flame ionization detection. Journal of Chromatography A, 2001, 912, 187-190.	3.7	11
39	Autoxidation products of normal and genetically modified canola oil varieties determined using liquid chromatography with mass spectrometric detection. Journal of Chromatography A, 2001, 905, 85-102.	3.7	48
40	Non-volatile products of triolein produced at frying temperatures characterized using liquid chromatography with online mass spectrometric detection. Journal of Chromatography A, 1999, 852, 417-432.	3.7	55
41	Characterization of model triacylglycerol (triolein, trilinolein and trilinolenin) autoxidation products via high-performance liquid chromatography coupled with atmospheric pressure chemical ionization mass spectrometry. Journal of Chromatography A, 1998, 818, 169-186.	3.7	90
42	Dual parallel mass spectrometers for analysis of sphingolipid, glycerophospholipid and plasmalogen molecular species. , 1998, 12, 256-272.		78
43	Lipid â€“Protein Interactions in Human and Bovine Lens Membranes by Fourier Transform Raman and Infrared Spectroscopies. Experimental Eye Research, 1996, 62, 47-54.	2.6	46
44	Analysis of triglycerides using atmospheric pressure chemical ionization mass spectrometry. Lipids, 1995, 30, 173-175.	1.7	116
45	Structural characterization of clear human lens lipid membranes by near-infrared Fourier transform Raman spectroscopy. Current Eye Research, 1995, 14, 511-515.	1.5	16