Selected Peer Reviewed Publications


21 Olu-Owolabi, B. I.; Fakayode, S. O.; Adebowale, K. O.; Onianwa, P. C. Proximate, Elemental Composition and their Estimated Daily Intake in Infant Formulae from Developed and Developing Countries: A Comparative Analysis. 

*Journal of Food, Agriculture & Environment* 2007, 5, 40-44. Cited: 2

20 Fakayode, S. O.; Lowry, M.; Huang, X.; Powe, A. M.; Fletcher, K. A.; Warner, I. M. Cyclodextrins Host-Guest Chemistry in Analytical and Environmental Chemistry, 


15 Fakayode, S. O.; Williams, A. A.; Busch, M. A.; Busch, K. W.; Warner, I. M. The Use of Polymeric Surfactant as a Chiral Selector for Chiral Analysis by Chemometric Analysis of the Fluorescence Spectra of Guest-Host Complexes. 


14 Williams, A. A.; Fakayode, S. O.; Huang, X.; Warner, I. M. Use of Multivariate Analysis for Optimization of Separation Parameters and Prediction of Migration Time, Resolution and Resolution per Unit Time in Micellar Electrokinetic Chromatography 

*Electrophoresis* 2006, 27, 4127-4140. Cited: 10

13 Fakayode, S. O.; Busch, M. A.; Busch, K. W. Determination of the Enantiomeric Composition of Samples by Multivariate Regression Modeling of Spectral data obtained


*undergraduate students are identified with asterisk

Total citation as at December 11, 2013: 973
Selected Published Abstracts at Regional and National Research Conferences:


52. Mitchell, Breanna S.; Fakayode, Sayo O.; Pollard, David A., Petrochemicals analysis using gas chromatography and multivariate analysis. 63rd Southeast Regional Meeting of the
41. Fakayode, SO; King, AG.; Yakubu, M; Mohammed, AK.; Pollard, DA, Determination of Fe content of some food items by FAAS: A guided-inquiry learning experience in instrumental analysis laboratory, 242th American Chemical Society National Meeting, Denver, CO, August 28- Sept 1, 2011, paper CHED-75


43. Walker, M; Stapleton, W. E.; McCoy, M; Arhagba, E F.; Pollard, DA.; Fakayode, SO, Possible heavy metal ions remediation using molecular micelles chelators, 242th American Chemical Society National Meeting, Denver, CO, August 28- Sept 1, 2011, paper ANYL-16.

44. Taylor A. A; Fakayode, S. O.; Stapleton, W. E*, Arhagba EF*, McCoy M.; Pollard, DA; Mohammed, AK, Investigation of the binding mechanism of cysteine and homocysteine thiolactone with human serum albumin (HSA) using analytical spectroscopy” 240th American Chemical Society National Meeting, Boston, MA, August 21-26, 2010, paper # 141.


51. Ashley Taylor*, Sayo O. Fakayode, Abdul K. Mohammed, and Isiah M. Warner, Chiral Drugs Analysis Using Chiral Molecular Micelles, UV-visible, and Fluorescence
Fakayode Publication List


31. Bwanbok, DK; Marwani, HM; Fernand, VE; Lowry, M; El-Zahab, B; Baker, GA; Negulescu, II; Strongin, RM; Warner, IM. Spectroscopic investigations of enantiomeric recognition using chiral ionic liquids derived from amino acid esters. 235th American Chemical Society National Meeting, New Orleans, April 6-10, 2008, Paper number 184.

30. Marwani, H. M.; Lowry, M.; Fakayode, S. O.; Warner, I. M.; Robert L. Cook. R. L. Utilizing 19F NMR to Dynamically Monitor the Association of (R) and (S) 1,1'-bi-2-
naphthol bis(trifluoromethanesulfonate) with Humic Acid. 235th American Chemical Society National Meeting, New Orleans, April 6-10, 2008, Paper number


20. Luces, C. A.; **Fakayode, S. O.;** Lowry, M.; Warner, I. M. Separation of Chiral Analytes and Proteins Using Polyelectrolyte Multilayer Coatings with Molecular Micelles in Open
Fakayode Publication List

Tubular Capillary Electrochromatography. (PITTCON), New Orleans, March 2-7, 2008, paper 820-55P.


5 Fakayode, S. O.; Busch, M. A.; Busch, K. W. Determination of Enantiomeric Composition of Samples by Chemometric Modeling of Spectral Data Obtained with Cyclodextrin Guest-Host Complexes--Effect of Surfactants and Use of Mixed Cyclodextrins. 60th Southwest Regional Meeting of the American Chemical Society, Fort Worth, TX, October 29, 2004.


1 Busch, K. W.; Swamidoss, I. M.; Fakayode, S. O.; Rabbe, D.; Ingle, J.; Busch, M. A. Forays into Chiral Analysis. 29th Federation of Analytical Chemistry and Spectroscopy Societies meeting, Providence, RI, October 15, 2002, paper No. 370.

*undergraduate students are identified with asterisk
Oral presentations are italicized and underlined