Publications

Selected Publications

1. A Family of Active Iridium Catalysts for Transfer Hydrogenation of Ketones. Zaheer E. Clarke, Paul T. Maragh, Tara P. Dasgupta, Dmitri Gusev, Alan J. Lough and Kamaluddin Abdur-Rashid.Organometallics (2006), 25(17), 4113-4117.

2. Kinetics and Mechanism of the Electron Transfer Reaction between Di-m-cyanobis[tetracyanoferrate(III)] Ion and Sulfite in Aqueous Acidic Solution. Jane Lui-Lym, Tara Dasgupta, Paul Maragh, Floyd Beckford, Geoff Stedman. Inorganica Chimica Acta (2007), 360(7), 2284-2290.

3. Analysis and Quantification of Acrylamide in Jamaican Foods by Gas Chromatography Mass Spectrometry. Grace-Anne Bent, Paul Maragh and Tara Dasgupta. Jamaican Journal of Science and Technology (2007), 18, 64-69.

4. Dynamic Studies of Transnitrosation of Thiols of Biological Importance by the Nitrosated 4,42,422,4222-Tetrasulfophthalocyaninecobaltate(III) Anion in Aqueous Solution. Ross F. Brown, Tara P. Dasgupta, Paul T. Maragh and Alvin A. Holder, Biophysical Chemistry (2009), 141, 198-202.

5. Assessing the Levels of Methyl Tertiary Butyl Ether (MTBE), Tertiary Butyl Alcohol (TBA), and Benzene, Toluene, Ethylbenzene and Xylene (BTEX) in Jamaican Ground Water by Purge and Trap Gas Chromatography Mass Spectrometry. Nykieta James, Paul Maragh, Tara Dasgupta, Jamaica Journal of Science and Technology, 2010, 19, 2-12.

6. Kinetics and mechanism of the aquation of a series of mixed-metal oxo-centered trinuclear cations, μ3-oxo-triaquahexakis(carboxylato)bis-(chromium(III) (iron(III))+, [CrIII2FeIIIO(RCOO)6(H2O)3]+, (R = H, CH3, CH3CH2 and (CH3)2CH) in perchloric acid media. Mark A. W. Lawrence, Paul T. Maragh and Tara P. Dasgupta. Journal of Coordination Chemistry (2010), 63, 2517-2527.

7. Mechanistic studies on the intramolecular electron transfer in an adduct species of the oxo-centred trinuclear iron(III) cation and L-ascorbic acid in aqueous solution.

Mark A. W. Lawrence, Sonia E. Thomas, Paul T. Maragh and Tara P. Dasgupta.

Transition Metal Chemistry (2011), 36(5), 553 – 563.

8. Acrylamide in Caribbean Foods - Residual Levels and their relation to Reducing Sugar and Asparagine Content. Grace-Anne E. Bent, Paul T. Maragh, Tara P. Dasgupta. Food Chemistry (2012), 133, 451–457.

9. Mechanistic studies on the intra-molecular electron transfer in the adduct species of some oxo-centred trinuclear iron(III)/chromium(III) cations and L-ascorbic acid in aqueous acetate buffer. Mark A. W. Lawrence, Paul T. Maragh and Tara P. Dasgupta. Inorganica Chimica Acta (2012), 388, 88-97.

10. Mechanistic studies of the selective reduction of ruthenium(III) containing trinuclear oxo complexes by L-ascorbic acid in aqueous solution. Mark A. W. Lawrence, Paul T. Maragh and Tara P. Dasgupta. Transition Metal Chemistry (2012), 37, 505 – 517.