

## APPENDIX A

### List of scientific publications

- **S. A. Mamuru**, K. I. Ozoemena, T. Fukuda, N. Kobayashi, Iron(II) tetrakis (diaquaplatinum) octacarboxyphthalocyanine supported on multi-walled carbon nanotubes platform: An efficient functional material for enhancing electron transfer kinetics and electrocatalytic oxidation of formic acid, *Journal of Materials Chemistry*, **20** (2010) 10705.
- **S. A. Mamuru**, K. I. Ozoemena, Iron(II) tetrakis (diaquaplatinum) octacarboxy-phthalocyanine supported on multi-walled carbon nanotubes as effective electrocatalyst for oxygen reduction reaction in alkaline medium, *Electrochemistry Communication* **12** (2010) 1539.
- **S. A. Mamuru**, K. I. Ozoemena, T. Fukuda, N. Kobayashi, T. Nyokong, Studies on the heterogeneous electron transport and oxygen reduction reaction at metal (Co, Fe) octabutylsulphonylphthalocyanines supported on multi-walled carbon nanotube modified graphite electrode, *Electrochimica Acta* **55** (2010) 6367

- **S. A. Mamuru**, K. I. Ozoemena, Heterogeneous electron transfer and oxygen reduction reaction at nanostructured iron(II) phthalocyanine and its MWCNTs nanocomposites, *Electroanalysis* **22** (2010) 985
- K. I. Ozoemena, **S. A. Mamuru**, T. Fukuda, N. Kobayashi, T. Nyokong, Metal (Co, Fe) tribenzotetraazachlorin-fullerene conjugates: Impact of direct  $\pi$  – bonding on the redox behaviour and oxygen reduction reaction *Electrochemistry Communication* **11** (2009) 1221
- **S. A. Mamuru**, K. I. Ozoemena, Impedimetric and electrocatalytic properties of nanostructured iron(II) phthalocyanine at pyrolytic graphite electrode, *Materials Chemistry and Physics* **114** (2009) 113

## APPENDIX B

### List of scientific conferences

- **Solomon A. Mamuru**, Kenneth I. Ozoemena, "*The electro-catalytic reduction of molecular oxygen at nano-structured iron(II) phthalocyanine and its multi-walled carbon nanotubes composite*", 5<sup>th</sup> International Conference of African Materials Research Society (A-MRS), Sheraton Hotel and Towers, Abuja, 14<sup>th</sup> – 18<sup>th</sup> December, 2009  
(ORAL PRESENTATION BY MAMURU)
- **Solomon A. Mamuru**, Kenneth I. Ozoemena, "*Comparative Oxygen Reduction at Metallophthalocyanines and their C<sub>60</sub>-Conjugates*", NanoAfrica 2009, 3<sup>rd</sup> International Conference on Nanoscience and Nanotechnology, CSIR International Convention Centre, Pretoria, South Africa, February 1- 4, 2009  
(ORAL PRESENTATION BY MAMURU)
- **Solomon A. Mamuru**, Kenneth I. Ozoemena, "*Electrochemistry of Nano-scaled Metallophthalocyanine complexes at Pyrolytic Graphite Electrodes*", *ElectrochemSA*, South African Chemical Institute, 1<sup>ST</sup> International Symposium on Electrochemistry, University of the Western Cape, Bellville, South Africa, July 9 – 11, 2008  
(POSTER PRESENTATION BY MAMURU)
- **Solomon A. Mamuru**, Kenneth I. Ozoemena, "*Electrochemistry of Metallophthalocyanines and their C<sub>60</sub>-Conjugates*", 1<sup>st</sup> International (SA-UK Research Network) Workshop on

“Electrochemistry for Nanotechnology”, CSIR International Convention Center, Pretoria, South Africa, April 9 – 10, 2008  
(ORAL PRESENTATION BY MAMURU)

- **Solomon A. Mamuru**, Kenneth I. Ozoemena, “*Electrocatalytic Behavior of Nanostructured Phthalocyaninatoiron(II) complex towards the detection of Thiocyanate*”, South Africa Chemical Institute (SACI) Young Spectroscopists’ Symposium, University of South Africa (UNISA), October 10, 2007  
(ORAL PRESENTATION BY MAMURU)