

KONFERENSIES /CONFERENCES - 2016 - RIMS

1. **Lötter, S.J., Purcell, W., Visser, H.G., Nel, J.T. and van Brecht, B.** 2016. Cation Influence on Zirconium/Hafnium Fluoride Coordination (oral) 2016 International Conference on Pure and Applied Chemistry, Mauritius, 18-22 July 2016.**ufs-026301**
2. **Nete, M., Purcell and Nel, J.T.** 2016. Analysis of Non-Conducting Tantalite Minerals by Glow Discharge Optical Emission Spectrometry. (oral). 2016 International Conference on Pure and Applied Chemistry, Mauritius, 18-22 July 2016.**ufs-026302**
3. **Botha, E., Erasmus, E. and Swarts, J.C.** 2016. Synthesis, Thermal Analysis and Catalysis of Mixed-Metal Long-Chain Carboxylatido Complexes. 2016 International Conference on Pure and Applied Chemistry, Mauritius, 18-22 July 2016.**ufs-026303**
4. **Conradie, J.** 2016. Tertiary Phosphine Orientation in Square Planar Rhodium Complexes. (oral) 2016 International Conference on Pure and Applied Chemistry, Mauritius, 18-22 July 2016.**ufs-026304**
5. **Von Eschwege, K. G., Ntoi, L.** 2016. Seven Chromisms Associated with Dithizone (oral), Multi-Responsive Photochromes International Conference, Nantes – France, 25-28 April 2016.**ufs-026305**
6. **Elmakki, M.A.E., Venter, G.J.S. and Venter, J.A.** 2016. β -diketones and their derivatives in Rh(I) dicarbonyl and phosphine complexes (poster). 30th Meeting of the European Crystallographic Association (ECM30), Basel, Switzerland, 28 August – 1 September 2016. **ufs-026309**
7. **Venter, J.A., Drost, R.M., Purcell, W.** 2016. Structural investigations and reactivity of related Rh(O,O'-bidentate) complexes. (Oral), 42nd International Conference on Coordination Chemistry (ICCC), Brest, France, 3-8 July 2016.**ufs-026319**
8. **Belay, A.N., Venter, J.A. and Roodt, A.** 2016. Crystal structures and characterization of (Et₄N)[MCl₆] (M = Nb and Ta) as novel symptoms to pursue coordination chemistry with O,O'-bidentate ligands (poster) First Pan African Conference of Crystallography, Dschang (Cameroon), 06 – 10 October, 2016.**ufs-026320**
9. **Elmakki, M.A., Venter, J.A. Venter, G.J.S. and Roodt, A.** 2016. Synthesis and characterisation of rhodium(I) 2-hydroxypyridine N-oxide (hopo) complexes. (poster) First Pan African Conference of Crystallography, (poster) will be presented at Dschang (Cameroon), 06 – 10 October, 2016.**ufs-026349**
10. **Conradie, J. and Kuhn, A.** 2016. Electrochemical Behaviour of Bis(cyclopentadienyl) Mono(β -diketonato) Titanium(IV) Cationic Complexes: Relationships with Calculated

- Parameters. 67th Annual Meeting of the International Society of Electrochemistry, The Hague, The Netherlands, 21-26 August 2016.[ufs-026352](#)
11. **Conradie, J., von Eschwege, K.G. and Ferreira, H.** 2016. Redox Potential of Tris(1,10-phenantroline)iron(II) Complexes – Relationships with Calculated Parameters. 67th Annual Meeting of the International Society of Electrochemistry, The Hague, The Netherlands, 21-26 August 2016.[ufs-026354](#)
 12. **Brink, A., Mokolokolo, P.P., Visser, H.G. and Roodt, A.** 2016. Rhenium Monomers vs. Manganese Dimers– what is driving the linkage? (Poster). 30th European Crystallographic Meeting, Basel, Switzerland, 28 Aug - 1 Sept 2016.[ufs-026537](#)
 13. **Alexander, O. T., Duvenhage, M.-M, Brink, A., Muller, P., Swart, H.C. and Visser, H.G.** 2016. Synthesis, structures and luminescence properties of two gallium(III) complexes containing 5,7dimethyl-8-hydroxyquinoline. (Poster). 30th European Crystallographic Meeting, Basel, Switzerland, 28 Aug - 1 Sept 2016.[ufs-026539](#)
 14. **Roodt, A., Visser, H.G., Brink, A., Schutte-Smith, M., Mokolokolo, P.P., Kama, D.V., Frei, A. and Alberto. R.** Single Crystal Structures and Spectroscopic Analysis in Metal Complex Dynamics (Poster). 30th European Crystallographic Meeting, Basel, Switzerland, 28 Aug - 1 Sept 2016.[ufs-026540](#)
 15. **Esterhuysen, M., Brink, A., Visser, H.G., Roodt, A., Zbačnik, M., Slabbert, J.P. and Beukes; P.R.** (Poster) Synthesis, Structure and Biological Study of Gallium(III) Complexes as Model Radiopharmaceuticals. SAAPMB 2016, (54th National Congress of the South African Association of Physicists in Medicine and Biology). Cape Town, South Africa, 6-10 September 2016).[ufs-026541](#)
 16. **Von Eschwege, K.G.**. Chemical Energy Storage – a Brief Overview (oral), Solar Fuel and Energy Storage (SSAJRP), Pretoria – South Africa, 6-7 October 2016.[ufs-026580](#)
 17. **Alexander, O.T., Duvenhage, M.M., Brink, A., Kroon, R.E., Swart H.C., Visser, H.G.,** 2016. An eavesdrop on Fluorescent behaviour of two Indium complexes through Crystallographic stethoscope. (Oral Presentation). 20th Croatian-Slovenian Crystallographic Meeting (CSCM24), Island of Brac (Bol), Croatia, 21 – 25 September 2016.[ufs-026620](#)
 18. **Alexander, O.T., Duvenhage, M.M., Brink, A., Kroon, R.E., Swart H.C., Visser, H.G.,** 2016. Synthesis Crystallography and Luminescence Profiles of Two Indium (III) Complexes. (Poster). 30th European Crystallographic Meeting (ECM30), Basel, Switzerland, 28 August - 1 September 2016.[ufs-026619](#).[ufs-026623](#)
 19. **Kama, D.V., Visser, H.G., Schutte-Smith, M. and Brink, A. and Roodt, A.** 2016. Synthesis and coordination chemistry of diphosphinoamine (PNP) ligands. A solid state and catalysis investigation (Oral): 20th Croatian-Slovenian Crystallographic Meeting, Bol, Croatia, 21-25 September 2016.[ufs-026635](#)
 20. **Conradie, J.** 2016Tris(β -diketonato)iron(III) complexes: An electrochemical, computational, X-ray photoelectron spectroscopy and catalytic study (oral). 2016

Nanoscience Platform Symposium, Hotel Verde, Cape Town Airport, South Africa, 3 October 2016.[ufs-026667](#)

21. **Jansen van Rensburg, A., Landman, M., van Rooyen, P.H. and Conradie, J.** 2016. Pnictogen-substituted Fischer carbene complexes: Synthesis, electrochemistry, and catalysis of non-activated alkenes. (Poster) CATSA 2016, Champagne Sports Resort (central Drakensberg), South Africa, 6-9 November 2016.[ufs-026695](#)
22. **Marogoa, N., Schutte-Smith, M. and Visser, H.G.** Synthesis of trans-[Pt(Cl)₂(AsPh₃)₂] and Arsenoplatin Complexes for the Potential use as Chemotherapeutic Anticancer Agents (Poster Presentation). Pan African Conference on Crystallography (PCCr1), Dschang Cameroon, 6-10 October 2016.[ufs-026770](#)
23. **Schutte-Smith, M., Visser, H.G., Roodt, A.** 2016. The Investigation of Chemical Crystallography and Kinetic Reactivity of Re(I) tricarbonyl complexes (Oral). 2nd International Conference on Applied Crystallography, Houston, Texas, USA, 17-19 October 2016.[ufs-026772](#)
24. **Koen, R., Visser, H. G. and Roodt, A.** 2016. Tantalum(V) and niobium(V) coordinative studies: The fluorinated β -diketone approach (oral). South African Fluorine Symposium 2016 (SAFS 2016), Cape Town, South Africa, 14-18 February 2016.[ufs-026776](#)
25. **Koen, R., Visser, H. G. and Roodt, A.** 2016. Novel Tantalum(V) and Niobium(V) Separation Methods (poster). 30th Meeting of the European Crystallographic Association (ECM30), Basel, Switzerland, August 2016. 28 August – 1 September 2016.[ufs-026814](#)
26. **Swarts, J.C.** 2016. Relation between substitution and oxidative addition kinetics of [Rh(metallocenyl-COCHCOR)(ligand)] complexes and their cytotoxic and electrochemical properties. (Oral). ECIRM 2016 (3rd European Colloquium on Inorganic Reaction Mechanisms), Krakow, Poland, 21-25 June 2016.[ufs-026815](#)
27. **Swarts, P.J. and Swarts, J.C.** 2016. Relation between the rate of substitution of β -diketonato β -ketoester and β -ketoamide ligands in [Rh{RCO(C-CH₂Fc)COR}(COD)] complexes with phen and their electrochemical properties. (Poster), ECIRM 2016 (3rd European Colloquium on Inorganic Reaction Mechanisms), Krakow, Poland, 21-25 June 2016.[ufs-026816](#)
28. **Pieterse, T., Marais, C. and Bezuidenhout, B.C.B.** 2016. Key flavonoid monomers *via* olefination and metathesis (Poster) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.[ufs-026817](#)
29. **van Jaarsveldt, J., Van Tonder, J.H. and Bezuidenhout, B.C.B.** 2016. New Methodology for the Synthesis of Flavonoids (Poster) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.[ufs-026853](#)
30. **Smit, J.B.M., Marais, C. and Bezuidenhout, B.C.B.** 2016. Hydroformylation as new methodology for the synthesis of isoflavonoids (Poster) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.[ufs-026869](#)

31. **Visser, M., Pieterse, T., Marais, C. and Bezuidenhoudt, B.C.B.** 2016. Al(OTf)₃: An efficient Lewis acid additive for domino addition-elimination of Grignard Reagents to activated ketones (Poster) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.**ufs-026870**
32. **Seboka, N.V., Ponra, S., Donka, R., Van Tonder, J.H. and Bezuidenhoudt, B.C.B.** 2016. Al(OTf)₃-catalysed synthesis of pyrido[3,2-*d*]- and pyrrolo[3,2-*d*]-pyrimidine derivatives by reaction of chalcones and propargylic alcohols with uracils (Poster) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.**ufs-026871**
33. **Swart, M.R., Marais, C and Bezuidenhoudt, B.C.B.** 2016. The role of *p*-cresol as co-catalyst during cross-metathesis reactions with Grubbs second generation catalyst (Poster) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.**ufs-026872**
34. **Majola, S.V. and Bezuidenhoudt, B.C.B.** 2016. The relative activity of octa-alkyl and -alkoxy substituted ruthenium phthalocyanines as catalysts for the epoxidation of substituted alkenes (Poster) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.**ufs-026873**
35. **Van Tonder, J.H., Gohain, M. and Bezuidenhoudt, B.C.B.** 2016. Al(OTf)₃ in organic synthesis: A journey (Oral) SA Chemical Institute - Frank Warren Conference, Grahamstown, 4 – 8 December 2016.**ufs-026874**
36. **Conradie, J.** 2016. Jahn-Teller isomers of d⁴ tris(β-diketonato)manganese(III) complexes (oral). Centre for High Performance Computing (CHPC) National Meeting and Conference, East London ICC, South Africa, 5-9 December 2016.**ufs-026927**
37. **Ferreira, H., Conradie, J. and Conradie, M.M.** 2016. Iron(II)-bipyridyl and Terpyridyl Complexes - DFT as Tool to Predict Redox Potentials. (poster) Centre for High Performance Computing (CHPC) National Meeting and Conference, East London ICC, South Africa, 5-9 December 2016.**ufs-026928**
38. **Landman, M., Malan, F.P., Singleton, E., van Rooyen, P.H. and Conradie, J.** 2016. CpNi(II)-NHC complexes: DFT studies on C-C and C-O catalytic applications (oral). Centre for High Performance Computing (CHPC) National Meeting and Conference, East London ICC, South Africa, 5-9 December 2016.**ufs-026929**
39. **Nkoe, P.I, Brink, A., Schutte-Smith, M.** Mechanistic study and coordination behavior of O,S containing ligands with the Re(I) tricarbonyl synthon for potential use as radiopharmaceuticals, (Poster) First Pan African Conference on Crystallography (PCCr1), Dschang, Cameroon, 6-11 October 2016.**ufs-027036**