

Recent Publications:

1. B.O. Odera, L.A. Cornish, M.J. Papo and G.O. Rading: *Electrolytic etching of platinum-aluminium based alloys*. Platinum Metals Rev., 56(4) 2012 pp 257-261. E-ISSN 1471-0676.
2. B.O. Odera, L.A. Cornish, M.B. Shongwe, G.O. Rading, M.J. Papo: *As-cast and heat-treated alloys of the Pt-Al-V system at the Pt-rich corner*. The Journal of Southern African Institute of Mining and Metallurgy (SAIMM), vol. 7A, 2012 pp 505-515. ISBN ISSN 0038-223X
3. B.O. Odera, L.A. Cornish, M.J. Papo and G.O. Rading: *Microstructural investigation of some as-cast alloys of the Pt-Cr-V system*. Proceedings of the Ferrous and Base Metals Development Network Conference, Magaliesburg, South Africa, October 15-17, 2012, pp 291-308. ISBN 978-1-920410-33-9.
4. L.A. Cornish, M.B. Shongwe, B. Odera, J.K. Odusote, M.J. Witcomb, L.H. Chown, G.O. Rading, M.J. Papo: *Update on the development of platinum-based alloys for potential high-temperature applications*. Proceedings of Southern African Institute of Mining and Metallurgy, Platinum 2012 Conference, Sun City, South Africa, September 18 – 21, 2012 pp 905-923.
5. B.O. Odera, L.A. Cornish, G.O. Rading, M.J. Papo: *Solidification projection of the Pt-Al-V system at the Pt-rich corner*. Proceedings of the Microscopic Society of Southern Africa Conference, Pretoria, South Africa, December 5-9, Vol. 41, p 72, 2011, ISSN 0250-0418: ISBN 0-620-35056-3.
6. B.O. Odera, L.A. Cornish, M.B. Shongwe, G.O. Rading, M.J. Papo: *A study of some as-cast and heat treated alloys of the Pt-Al-V system at the Pt-rich corner*. Proceedings of the ZrTa New Metals Development Network Conference at Mount Grace Country House and Spa, Magaliesburg. The Southern African Institute of Mining and Metallurgy, Advanced Metals Initiative, 12-14 October 2011, p 46 (Abstract book), ISBN 978-1-920410-23-0.
7. B.O. Odera, L.A. Cornish, R. Suss, G.O. Rading: *A study of as-cast alloys of the Pt-Cr-V system*. Proceedings of the Microscopic Society of Southern Africa Conference held at Warmbaths Forever Resorts, South Africa, October 26-29, Vol 40, p 52, 2010, ISSN 0250-0418: ISBN 0-620-35056-3.
8. M.B. Shongwe, B. Odera, S. Samal, A.M. Ukpogon, A. Watson, R. Suss, L.H. Chown, G.O. Rading and L.A. Cornish: *Assesment of microstructures in the development of Pt-based superalloys*. Proceedings of the Light Metals Conference 2010, The Southern African Institute of Mining and Metallurgy, Advanced Metals Initiative, October 27-29, 2010, p 184, In CD, ISBN 978-1-920410-23-0.

9. B.O. Odera, L.A. Cornish, R. Suss, G.O. Rading', F.P.L. Kavishe: *Investigation of selected quinary alloys based on an optimum alloy of the Pt-Al-Cr-Ru system*. Proceedings of AMSEN workshop, Windhoek, Namibia, January 27-29, p 29, 2010.
10. T.O. Mbuya, B.O. Odera, S.P. Ng'ang'a, M.F. Oduori and G.O. Rading: *Effective Recycling of Cast Aluminium Alloys for Small Foundries*. Journal of Agriculture, Science and Technology, vol. 12 (2), 2010, pp 162-181. ISSN 1561-7645.
11. B.O. Odera, L.A. Cornish, R. Suss, G.O. Rading': *A study of phases in as-cast alloys from the Pt-Al-V system at the Pt-rich corner*. Proceedings of Microscopic Society of Southern Africa Conference at University of Kwazulu-Natal, Durban, South Africa, December 8-11, Vol. 39, p 61, 2009, ISSN 0250-0418: ISBN 0-620-35056-3.
12. T. O. Mbuya, B. O. Odera, S. P. Nganga, M.F. Oduori: *Effect of some casting parameters on the microstructure and mechanical properties of recycled aluminium castings of various automobile components*. Kenya Journal of Mechanical Engineering, Vol. 3, No.1, 2007, p 29.
13. T. O. Mbuya, B. O. Odera, S. P. Nganga: *Influence of iron on castability and properties of cast aluminium-silicon alloys*. International Journal of Cast Metals Research, Vol. 16, Part 5, 2003, pp 451 – 465.