



PROCESS MINERALOGY GROUP PUBLICATIONS TO DATE

Congress Papers

1. **Lotter, N.O., Monnapula, R., Oliveira, J., Fragomeni, D., and Bradshaw, D.J., 2011**, *Formulation and Plant Trial of a Mixed Collector for Eland Platinum*, proc. Canadian Mineral Processors, Ottawa, January 2011, Paper No. 10., pp. 161-183.
2. **Lotter, N.O., 2011**, *Modern Flowsheeting Technology with Process Mineralogy*, CIM Distinguished Lecture, Invited Keynote Lecture: proc. Canadian Mineral Processors, Ottawa, January 2011.
3. **Lotter, N.O., 2010**, *Modern Process Mineralogy: an Integrated Multi-Disciplined Approach to Flowsheeting*, Invited Keynote Lecture, Process Mineralogy '10, MEI, Cape Town, November 2010.
4. **Lotter, N.O., Kormos, L.J., Oliveira, J., and Whiteman, E., 2010**, *Modern Process Mineralogy: Two case Studies*, proc. Nickel '10, MEI, Falmouth, June 2010.
5. **Kormos, L.J., Oliveira, J., Fragomeni, D., Whiteman, E., and Carrión De la Cruz, J., 2010**, *Process Diagnosis Using Quantitative Mineralogy*, Proc. Canadian Mineral Processors, Ottawa, January 2010, Paper No. 8, pp. 97-120.
6. **Lotter, N.O., 2010**, *Stratified Sampling of Drill Core*, Proc. Canadian Mineral Processors, Ottawa, January 2010, Paper No. 11, pp. 163-179.
7. **Deng, T., Yu, S., Lotter, N.O., and Di Feo, A., 2010**, *Laboratory Testwork of Mixed Xanthates for the Raglan Ore*, Proc. Canadian Mineral Processors, Ottawa, January 2010, Paper No. 16, pp. 253-268.
8. **Lotter, N.O., and Bradshaw, D.J., 2009**, *The Formulation and Use of Mixed Collectors in Sulfide Flotation*, Proc. Flotation '09, MEI, Cape Town, November 2009.
9. **Lotter, N.O., and Fragomeni, D., 2009**, *High-Confidence Flotation Testing at Xstrata Process Support*, SME Annual Meeting and Exhibit, Denver, Colorado, February 2009, Preprint 09-026.
10. **Lotter, N.O., Comeau, G., Kormos, L.J., Fragomeni, D., and Di Feo, A., 2009**, *Plant Scale Trial of Isobutyl Xanthate at Raglan Concentrator Using Reference Distributions*, Canadian Mineral Processors, Ottawa, January 2009, Paper 6, pp. 79-105.
11. **Fragomeni, D., Yu, S., Anes, J., Edwards, T., and Scott, D., 2009**, *Advancing Asset Performance at the Montcalm Operation*, Proc. Canadian Mineral Processors, Ottawa, January 2009, Paper 12, pp. 205-219.
12. **Arrué, C., Fragomeni, D., and Lotter, N.O., 2007**, *Improvement of Mass and Value Balance Data from the Statistical Benchmark Model*, Proc. Canadian Mineral Processors, Ottawa, January 2007, Paper No. 36, pp. 607-616.



13. **Kormos, L.J., Oliveira, J., Whittaker, P.J., and Lipten, E.,** *Characterisation Of The Antamina Bornite Zone For Process Mineralogy Modelling*, Proc. Automated Mineralogy 2008, MEI, Brisbane, Australia, August 2008.
14. **Charland, A., Kormos, L.J., Whittaker, P.J., Arrué, C., Fragomeni, D., Lotter, N.O., Mackey, P., and Anes, J.,** *A Case Study for the Integrated use of Automated Mineralogy in Plant Optimisation : The Montcalm Concentrator*, Proc. Automated Mineralogy, MEI Conference, Brisbane, July 2006.
15. **Lotter, N.O., and Laplante, A.R.,** *The Campaign Survey Model – a Case Study at the Raglan Mine, Québec*, Proc. Automated Mineralogy, MEI Conference, Brisbane, July 2006.
16. **Fragomeni, D., Hoffman, M., Kelly, A., Yu, S., and Lotter, N.O.,** *Flotation Mini Pilot Plant Experience at Falconbridge Limited*, Proc. Mineral Process Modelling, Simulation and Control, Laurentian University, Sudbury, Canada, June 6-7, 2006, pp. 329-355.
17. **Lotter, N.O., and Laplante, A.R.,** *Statistical Benchmark Surveying of Production Concentrators*, Proc. Minerals Engineering Conference: Processing of Nickel Ores and Concentrates, Cape Town, November 2005.
18. **Fragomeni, D., Boyd, L.J., Charland, A., Kormos, L.J., Lotter, N.O., and Potts, G.,** *The Use of End-Members for Grind-Recovery Modelling, Tonnage Prediction and Flowsheet Development at Raglan*, Proc. Canadian Mineral Processors, Ottawa, January 2005, Paper No. 6, pp. 75-98.
19. **Lotter, N.O., and Laplante, A.R.,** *Residual Effects of Lognormality in Concentrator Data*, Canadian Mineral Processors' Conference, Ottawa, January 2005 Paper No. 20, pp. 359-385.
20. **Baum, W., Lotter, N.O., and Whittaker, P.J.,** *Process Mineralogy – a New Generation of Ore Characterization and Plant Optimization*, SME Annual Meeting and Exhibit, Denver, Preprint, February 2004.
21. **Lotter, N.O., Kowal, D.L., Tuzun, M.A., Whittaker, P.J., and Kormos, L.J.,** *Sampling and Flotation Testing of Sudbury Basin Drill Core for Process Mineralogy Modelling*, SME Preprint 03-023, Cincinnati, Ohio, February 2003.
22. **Lotter, N.O., Whittaker, P.J., Kormos, L.J., Stickling, J.S., and Wilkie, G.J.,** *The Development of Process Mineralogy at Falconbridge Limited, and Application to the Raglan Mill*, Canadian Mineral Processors' Conference, Ottawa, Paper No. 1, January 2002.
23. **Lotter, N.O., O'Connor, C.T., and Clark, I.,** *The Evaluation Bias Errors of the Platinum-Group Elements (PGE) Associated with Gravimetric Fire-Assaying Practice in Rustenburg Section of the Bushveld Complex, South Africa*, SME Annual Meeting and Exhibit, February 2000.
24. **Lotter, N.O., and Munro, H.C.,** *The Development of High-Confidence Flotation Test Data at Rustenburg Platinum Mines Limited*, J. Mine Met. Mgrs. Assoc., 1/94, pp. 29-50, October 1994.
25. **Lotter, N.O.,** *A Quality Control Model for the Development of High-Confidence Flotation Test Data*, SME Annual Meeting and Exhibit, Preprint 95-40, February 1995.



Refereed Journals

1. **Lotter, N.O., and Bradshaw, D.J., 2010**, The Formulation and Use of Mixed Collectors for Sulphide Flotation, *Minerals Engineering*, 23, (2010), pp. 945-951.
2. **Lotter, N.O., Di Feo, A., Kormos, L.J., Fragomeni, D., and Comeau, G.,** *Design and Measurement of Small Recovery Gains: A Case Study at Raglan Concentrator*, *Minerals Engineering*, 23, (2010), pp. 567-577.
3. **Lotter, N.O., and Fragomeni, D.,** *High-Confidence Flotation Testing at Xstrata Process Support*, *Trans. J. Minerals and Metallurgical Processing*, 27, No. 1, February 2010, pp. 47-54.
4. **Lotter, N.O., Bradshaw, D.J., Kormos, L.J., Becker, M., and Parolis, L.,** *A Discussion Of Orthopyroxene Occurrence And Its Undesirable Flotation Behaviour In The Processing Of Ultramafic Deposits*, *Minerals Engineering, Special Issue, Flotation 07*, 21, (2008), pp. 905-912.
5. **Lotter, N.O.,** *Distribution Modelling of Nickel in Final Tailings at Raglan, Quebec*, *Minerals Engineering*, 20, 2007, pp. 1067-1074.
6. **Lotter, N.O., and Laplante, A.R.,** *The Campaign Survey Model – a Case Study at the Raglan Mine, Québec*, *Minerals Engineering*, 20 (2007) pp. 480-486.
7. **Lotter, N.O., and Laplante, A.R.,** *Statistical Benchmark Surveying of Production Concentrators*, *Minerals Engineering*, 20 (2007) pp. 793-801.
8. **Lotter, N.O., Kowal, D.L., Tuzun, M.A., Whittaker, P.J., and Kormos, L.J.,** *Sampling and Flotation Testing of Sudbury Basin Drill Core for Process Mineralogy Modelling*, *Minerals Engineering*, September 2003, 16, pp. 857-864.
9. **Lotter, N.O., Whittaker, P.J., Kormos, L.J., Stickling, J.S., and Wilkie, G.J.,** *The Development of Process Mineralogy at Falconbridge Limited, and Application to the Raglan Mill*, *CIM Bulletin*, vol. 95, no. 1066, pp. 85-92, November/December 2002.
10. **Lotter, N.O.,** *Review of Evaluation Models for the Representative Sampling of Ore*, *J. S. Afr. Inst. Min. Metall.*, 95, (4), pp. 149-155.

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