

PUBLICATIONS SCIENTIFIQUES

1. Batumike, M.J., Kampunzu, A.B. and Cailteux, J.L.H., 2006. Petrology and geochemistry of the Neoproterozoic Nguba and Kundelungu Groups, Katangan Supergroup, southeast Congo: implication for provenance, palaeoweathering and geotectonic setting. *Journal of African Earth Sciences*, 44: 97-115.
2. Batumike, M.J., Cailteux, J.L.H. and Kampunzu, A.B., 2007. The Neoproterozoic Nguba and Kundelungu successions in the central African Copperbelt: lithostratigraphy, basin development, and regional correlations. *Gondwana Research*, 11: 432-447.
3. Bull, S., Selley, D., Broughton, D., Hitzman, M., Cailteux, J., Large, R., McGoldrick, P., 2011. Sequence and carbon isotopic stratigraphy of the Neoproterozoic Roan Group strata of the Zambian copperbelt. *Precambrian Research*, 190: 70-89.
4. Cailteux, J. and Dimanche, F., 1973. Les minéraux ferro-titanés dans l'environnement du gisement de Musoshi (Shaba- Zaïre). *Bulletin de la Société Française de Minéralogie et cristallographie*, 96: 378-382.
5. Cailteux, J., 1974. Minerais cuprifères et roches encaissantes à Musoshi (Shaba-Zaïre). *Annales de la Société Géologique de Belgique*, 96 : 495-521.
6. Cailteux, J., 1974. Les sulfures du gisement cuprifère stratiforme de Musoshi (Shaba-Zaïre), In: P.Bartholomé (éd), *Gisements stratiformes et provinces cuprifères. Centenaire de la Soc. Géol. Belg., Liège*, pp.267-276.
7. Cailteux, J., 1974. Concentration par flottation des minéraux de cuivre et molybdène dans des porphyres cuprifères. *Annales des Mines de Belgique*, pp.1-17.
8. Cailteux, J. and Lefebvre, J.J., 1975. Stratigraphie et minéralisations du gisement cuprifère de Kipapila (Shaba-Zaïre). *Annales de la Société Géologique de Belgique*, 98: 317-330.
9. Cailteux, J., 1976. Corrélation stratigraphique des sédiments d'âge Roan du Shaba et de Zambie. *Annales de la Société Géologique de Belgique*, 99: 31-45.
10. Cailteux, J., 1978. Particularités stratigraphiques et pétrographiques du faisceau inférieur du Groupe des Mines au centre de l'Arc cuprifère shabien. *Annales de la Société Géologique de Belgique*, 100 (1977): 55-71.
11. Cailteux, J., 1978. La succession stratigraphique du C.M.N. (ou R.2.3) au centre de la sous-province cuprifère shabienne. *Annales de la Société Géologique de Belgique*, 100 (1977): 73-85.
12. Cailteux, J., 1979. L'origine du talc dans le C.M.N.(ou R.2.3) de Kambove (Shaba-Zaïre). *Annales de la Société Géologique de Belgique*, 102: 213-221.
13. Cailteux, J.L.H., 1986. Diagenetic Sulphide Mineralisation within the Stratiform Copper-Cobalt Deposit of West-Kambove(Shaba-Zaïre). In: G.H.Friedrich et al.(eds), *Geology and metallogeny of copper deposits, Sequence of Mineralisation in Sediment-Hosted Copper Deposits (Part 4). Special publ.4 of the Soc. for Geology Applied to Mineral Deposits, Moscow 1984. Springer-Verlag Berlin Heidelberg*, pp.398-411.
14. Cailteux, J.L.H., 1991. La tectonique intra-katangienne dans la région Nord-Ouest de l'Arc Lufilien (Shaba, Rép. du Zaïre). *Annales de la Société Géologique de Belgique*, 113 (1990): 199-215.

15. Cailteux, J.L.H. and Kampunzu, A.B., 1993. Etude du Katanguien de Zambie et du Zaïre: nouvelles contraintes tectoniques et lithostratigraphiques. Bulletin des séances de l'Académie royale des Sciences d'Outre-Mer, 38 (1992-2): 353-360.
16. Cailteux, J.L.H., 1994. Lithostratigraphy of the Neoproterozoic Shaba-type (Zaire) Roan Supergroup and metallogenesis of associated stratiform mineralization. Journ. of Afr. Earth Sciences, Vol. 19/4: 279-301.
17. Cailteux, J.L.H., Binda, P.L., Katekesha, W.M., Kampunzu, A.B., Intiomale, M.M., Kapenda, D., Kaunda, C., Ngongo, K., Tshiauka, T. and Wendorff, M., 1994. Lithostratigraphical correlation of the Neoproterozoic Roan Supergroup from Shaba (Zaire) and Zambia, in the central African copper-cobalt metallogenic province. Journal of African Earth Sciences, 19/4: 265-278.
18. Cailteux, J.L.H., Binda, P.L., Kampunzu, A.B., Katekesha, W.M., Kaunda, C. and Wendorff, M., 1995. Results of Lithostratigraphic Correlation of the Late Proterozoic Roan Supergroup between Zambia and Zaire, Central African Copperbelt. Roy. Mus. of Central Africa (Belgium), Annales des Sciences Géologiques, 101 (1995): 21-27.
19. Cailteux, J.L.H. and Kampunzu, A.B., 1995. The Katangan tectonic breccias in the Shaba province (Zaire) and their genetic significance. Roy. Mus. of Central Africa (Belgium), Annales des Sciences Géologiques, 101 (1995): 63-76.
20. Cailteux, J.L.H., 1997. Minéralisations à U-PB-Se-Mo-Ni dans le gisement stratiforme cupro-cobaltifère de Kambove-Ouest (Shaba, Rép. du Zaïre). In: Colloque International Cornet « Gisements stratiformes de cuivre et minéralisations associées » (Mons, 1994). Académie Royale des Sciences d'Outre-Mer, pp. 245-268.
21. Cailteux, J.L.H. and Kampunzu, A.B., 2003. Third Workshop of IGCP 450: Proterozoic sediment-hosted base metal deposits of western Gondwana. Conference Report, Episodes, 27/3: 209-211.
22. Cailteux, J.L.H., Kazadi, M.B., Lerouge, C. and Kampunzu, A.B., 2004. Luiswishi Cu-Co stratiform deposit (D.R.Congo): structural, sedimentary and base metal setting. In: L.D.Ashwal (Ed.), Geoscience Africa 2004, Johannesburg, pp.97-98.
23. Cailteux, J., Kampunzu, A.B., Batumike, M.J., 2005. Lithostratigraphic position and petrographic characteristics of R.A.T. (« Roches Argilo-Talqueuses ») Subgroup, Neoproterozoic Katangan belt (Congo). In: L.Robb, J.Cailteux and S. Sutton (Eds.), Recent advances in the geology and mineralization of the Central African Copperbelt. Journal of African Earth Sciences, 42: 82-94.
24. Cailteux, J.L.H., Kampunzu, A.B., Lerouge, C., Kaputo, A.K. and Milesi, J.P., 2005. Genesis of sediment-hosted stratiform copper-cobalt deposits, Central African Copperbelt. In: L.Robb, J.Cailteux and S. Sutton (Eds.), Recent advances in the geology and mineralization of the Central African Copperbelt. Journal of African Earth Sciences, 42: 134-158.
25. Cailteux, J., Misi, A., 2007. Neoproterozoic sediment-hosted base metal deposit of Western Gondwana. Gondwana Research, 11: 344-345.
26. Cailteux, J., Kampunzu, A.B. and Lerouge, C., 2007. The Neoproterozoic Mwashya-Kansuki sedimentary rock succession in the central African Copperbelt, its Cu-Co mineralization, and regional correlations. Gondwana Research, 11 : 414-431.
27. Cailteux, J.L.H., Delpomdor, F., Ngoie Ndobani, J.-P., 2015. Characterization of the Neoproterozoic West-Congo "Schisto-Calcaire" sedimentary successions in the Bas-Congo region (Democratic Republic of the Congo) and its regional correlations. Geologica Belgica (2015) 18/2-4: 126-146

28. Cailteux, J.L.H., Muchez, Ph., De Cuyper, J., Dewaele, S. & De Putter, Th., 2018. Origin of the megabreccias in the Katanga Copperbelt (D. R. Congo). *Journal of African Earth Sciences*, 140, 76-93.
29. Cailteux J., De Putter Th., 2019. The Neoproterozoic Katanga Supergroup (D.R. Congo): state-of-the-art and revisions of the lithostratigraphy, sedimentary basin and geodynamic evolution. *Journal of African Earth Sciences* 150, 522-531.
30. Delpomdor, F., Tack, L., Cailteux, J., Pr  at, A., 2015. The C2 and C3 formations of the Schisto-Calcaire Subgroup (West Congo Supergroup) in the Democratic Republic of the Congo: an example of post-Marinoan sea-level fluctuations as a result of extensional tectonisms. *Journal of African Earth Sciences*, 110, 14-33.
31. De Putter Th., Li  geois, J.-P., Dewaele, S., Cailteux, J., Boyce, A., Mees, F., 2018. Paleoproterozoic manganese and base metals deposits at Kisenge-Kamata (Katanga, D.R.Congo). *Ore Geology Reviews* 96, 181-200.
32. Delpomdor, F., Callec, Y., Bailly, L., Mashigiro, E.H., Ilunga, S., Sebagenzi, S., Mupande, J.-F., Kampata, D., Cailteux, J., 2020. Sedimentary evolution and chemostratigraphy of the post-Sturtian cap carbonate-like Dolomie Tigr  e Formation (Katanga Supergroup) in the Democratic Republic of the Congo. *Journal of African Earth Sciences* 162, 1-14.
33. El Dezouky, H.A., Muchez, Ph. and Cailteux, J., 2009. Two Cu-Co sulfide phases and contrasting fluid systems in the Katanga Copperbelt, Democratic Republic of Congo. *Ore Geology Review*, 36: 315-332.
34. El Dezouky, H.A., Muchez, Ph. , Boyce, A., Cailteux, J., Dewaele, S., 2009. Sources of sulphur in the Katanga Copperbelt, Democratic Republic of Congo. *Smart Science for Exploration and Mining*, P.J. Williams et al. (Eds), 432-434.
35. El Dezouky, H.A., Muchez, Ph., Boyce, A., Schneider, J., Cailteux, J., Dewaele, S., von Quadt, A., 2010. Genesis of sediment-hosted stratiform copper-cobalt mineralization at Luiswishi and Kamoto, Katanga Copperbelt (Democratic Republic of Congo). *Mineralium Deposita*, 45: 735-763.
36. El Desouky, H.A., Banks, D., De Clercq, F., Cailteux, J., Muchez, Ph., 2012. Chemistry of syn-orogenic copper-cobalt ore-forming fluids in the Katanga Copperbelt, Democratic Republic of Congo. Abstract volume, *Geofluids VII – International Conference*, IFP Energies nouvelles, Rueil-Malmaison, 6-8 June 2012, pp 235-238.
37. Fontaine, L., De Putter, Th., Bernard, A., Decr  e, S., Cailteux, J., Wouters, J., Yans, J., 2020. Complex mineralogical-geochemical sequences and weathering events in the supergene ores of the Cu-Co Luiswishi deposit (Katanga, D.R. Congo). *Journal of African Earth Sciences*, 161, 1-16.
38. Fran  ois, A. and Cailteux, J., 1981. La couverture katanguienne entre les socles de Zilo et de la Kapombo, R  p. du Za  ire, r  gion de Kolwezi. *Mus  e Roy. Afr. Centr., Tervuren, Ann.(8) Sci. G  ol. N   87*, 50p.
39. Ilunga Yantambwe, M., Cailteux, J.L.H., 2019. Geological observations in the Five-Klippes area, north-western Katanga Copperbelt (Democratic Republic of the Congo). *Geologica Belgica*, 22/3-4, 111-119.
40. Kampunzu, A.B. and Cailteux, J.L.H., 1999. Tectonic evolution of the Lufilian Arc (Central Africa Copperbelt) during Neoproterozoic pan African orogenesis. *Gondwana Research*, 2/3: 401-421.

41. Kampunzu, A.B., Cailteux, J.L.H., Moine, B. and Loris, H.N.B.T., 2005. Geochemical characterisation, provenance, source and depositional environment of "Roches Argilo-Talqueuses" (R.A.T.) and Mines Subgroups sedimentary rocks in the Neoproterozoic Katangan Belt (Congo): lithostratigraphic implications. In: L.Robb, J.Cailteux and S. Sutton (Eds.), Recent advances in the geology and mineralization of the Central African Copperbelt. *Journal of African Earth Sciences*, 42: 119-133.
42. Kampunzu, A.B., Cailteux, J.L.H., Kamona, A.F., Intiomale, M.M., Melcher, F., 2009. Sediment-hosted Zn-Pb-Cu deposits in the Central African Copperbelt. *Ore Geology Review*, 35: 263-297.
43. Kipata, M.L., Delvaux, D., Sebagenzi, M.N., Cailteux, J., Sintubin, M., 2013. Brittle tectonic and stress field evolution in the Pan-African Lufilian Arc and its foreland (Katanga, DRC): from orogenic compression to extensional collapse, transpressional inversion and transition rifting. *Geologica Belgica*, 16: 1-17.
44. Lefebvre, J.J. and Cailteux, J., 1975. Volcanisme et minéralisations diagénétiques dans le gisement de l'Etoile (Shaba- Zaïre), *Annales de la Société Géologique de Belgique*, 98: 177-195.
45. Lerouge, C., Cocherie, A., Cailteux, J.L.H., Kampunzu, A.B., Breton, J., Gilles, C. and Milesi, J.P., 2004. Preliminary U-Th-Pb electron microprobe dating of monazite: chronological constraints on the genesis of the Luiswishi Cu-Co-U ore deposit, D.R.Congo. In: L.D.Ashwal (Ed.), *Geoscience Africa 2004*, Johannesburg, pp.382-383.
46. Lerouge C., Cailteux J., Kampunzu A.B., Milesi J.P., Fléhoc C., 2005. Sulfur isotope constraints on formation conditions of the Luiswishi ore deposit, Democratic Republic of Congo (DRC). In: L.Robb, J.Cailteux and S. Sutton (Eds.), Recent advances in the geology and mineralization of the Central African Copperbelt. *Journal of African Earth Sciences*, 42: 173-182.
47. Mambwe P., Swennen R., Cailteux J., Mumba Ch., Dewaele S., Muchez Ph., 2023. Review of the origin of breccias and their resource potential in the central Africa Copperbelt. *Ore Geology Reviews*, 156 : 1-20.
48. Milesi, J.P., Toteu, S.F., Deschamps, Y., Feybesse, J.L., Lerouge, C., Cocherie, A., Penaye, J., Tchameni, R., Moloto-A-Kenguemba, G., Kampunzu, H.A.B., Nicol, N., Duguey, E., Leistel, J.M., Saint-Martin, M., Ralay, F., Henry, C., Bouchot, V., Doumnang Mbaigane, J.C., Kanda-Nkula, V., Chene, F., Monthel, J., Boutin, P., Cailteux, J., 2006. An overview of the geology and major ore deposits of central Africa : explanatory note for the 1:4,000,000 map "Geology and major ore deposits of Central Africa. *Journal of African Earth Sciences*, 44: 571-595.
49. Muchez, Ph., Vanderhaeghen, P., El Dezouky, H., Schneider, J., Boyce, A., Dewaele, S., Cailteux, J., 2008. Anhydrite pseudomorphs and the origin of stratiform Cu-Co ores in the Katangan Copperbelt (Democratic Republic of Congo). *Mineralium Deposita*, letter, 15p.
50. Tshiauka, T., Katekesha, W.M., Cailteux, J.L.H., Intiomale, M.M., Kampunzu, A.B., Kapenda, D., Chabu, M., Ngongo, K., Mutombo, K. and Nkanika, W.R., 1995. Lithostratigraphy of the Neoproterozoic Katangan sedimentary sequences in the Musoshi Copper District (SE Shaba, Zaire) and incidences on copper and cobalt economic geology in Central Africa. *Roy. Mus. of Central Africa (Belgium), Annales des Sciences Géologiques*, 101 (1995) : 29-48.
51. Van Langendonck, S., Muchez, Ph., Dewaele, S., Kaputo, A., Cailteux, J., 2013. Petrographic and mineralogical study of the sediment-hosted Cu-Co ore deposit at Kambove West in the central part of the Katanga Copperbelt (DRC). *Geologica Belgica*, 162: 91-104.