

## REFERENCES

- Achdan, A., and Bachri, S., 1993, Geological Map of the Blambangan Quadrangle, East Java.
- Arribas, A. Jr., 1995, Characteristics of high-sulfidation epithermal deposits, and their relation to magmatic fluid: Mineralogical Association of Canada Short Course, v. 23, p. 419–454.
- Arribas, A., JR., Hedenquist, J.W., Itaya, T., Okada, T., Concepcion, R.A. & Garcia, J.S. (1995b): Contemporaneous formation of adjacent porphyry and epithermal Cu-Au deposits over 300 ka in northern Luzon, Philippines. *Geology* 23
- Bagby, W.C., and Berger, B.R., 1985, Geologic characteristics of sediment-hosted, disseminated precious-metal deposits in the western United States, *in* Berger, B.R., and Bethke, P.M., eds., *Geology and geochemistry of epithermal systems: Reviews in Economic Geology*, v. 2, p. 169-202.
- Bodnar, R.J., Reynolds, T.J., and Kuehn, C.A., 1985, Fluid inclusion systematic in epithermal systems: *Reviews in Economic Geology*, v. 2, p. 73–97.
- Bodnar, R..J, 1993, Revised equation and table for determining the freezing point depression of H<sub>2</sub>O–NaCl solutions. *Geochim. Cosmochim. Acta*. 57,683–684.
- Bodnar, R. J. and Vityk M.O., 1994. Interpretation of microthermometric data for H<sub>2</sub>O-NaCl fluid inclusions
- Bodnar RJ, 2003, Introduction to fluid inclusions, *Fluid Inclusions: Analysis and Interpretation*. Mineral. Assoc. Canada, Short Course 32, 1-8.
- Buchanan, L.J., 1981. Precious metal deposits associated with volcanic environments in the southwest. In: W.R. Dickson and W.D. Payne (Editors), *Relations of Tectonics to Ore Deposits in the Southern Cordillera*. Arizona Geological Society Digest, 14: 237-262.
- Carlile, J.C. and Mitchell, A.H.G., 1994, Magmatic arcs and associated gold copper mineralization in Indonesia, *Journal Geochemical Exploration*, 50, 91–142.

- Claproth, R. 1989. Magmatic Affinities of Volcanic Rocks From Ungaran, Central Java. *Geol. Indones.*, 12, 511-562.
- Claveria, R.J.R. & Hedenquist, J.W. (1994): Paragenesis of Au and related minerals in the Lepanto Cu-Au deposit. *Resource Geol.* 44, 267.
- Cooke, D.R., and Simmons, S.F., 2000, Characteristics and Genesis of Epithermal Gold Deposits, *Reviews in Economic Geology*, v.13, p.221-244.
- Corbett, G.J., 2002, Epithermal Gold for Explorationists: AIG News No 67, 8p.
- Corbett, G.J., 2004, Epithermal and porphyry gold – Geological models in Pacrim Congress 2004, Adelaide, The Australasian Institute of Mining and Metallurgy, p. 15-23.
- Corbett, G.J., 2008, Influence of magmatic arc geothermal systems on porphyry-epithermal Au-Cu-Ag exploration models: Terry Leach Symposium, Australian Institute of Geoscientists, Bulletin 48, p. 25-43.
- Corbett, G.J., 2009, Anatomy of porphyry-related Au-Cu-Ag-Mo mineralized systems: Some exploration implications, *Australian Institute of Geoscientists North Queensland Exploration Conference June 2009*
- Corbett, G.J., 2012, Structural Controls to, and Exploration for, Epithermal Au-Ag Deposits, *Structural Geology and Resources 2012*, p. 43-47.
- Corbett, G.J., and Leach, T.M., 1998, Southwest Pacific gold-copper systems: Structure, alteration and mineralization: Special Publication 6, Society of Economic Geologists, 238 p
- Garwin, S.L., 2002, The geologic setting of intrusion-related hydrothermal systems near the Batu Hijau porphyry copper-gold deposit, Sumbawa, Indonesia. Society of Economic Geologists, Special Publication No. 9, 333–366.
- Craig, J.R., and Vaughan, D.J., 1994, *Ore Microscopy and Ore Petrography* (seconded.). Wiley Inter-science, New York, N.Y.
- Craig, J.R. 2001, Ore-Mineral Textures and the Tales They Tell, *The Canadian Mineralogist*, V.39, p.937– 956.
- Garcia, J.S. (1991): Geology and mineralization characteristics of the Mankayan mineral district, Philippines. *Geol. Surv. Japan Report 111*, 21-30.
- Garwin, S., Hall, R., and Watanabe, Y., 2005, Tectonic Setting, Geology, and Gold and Copper Mineralization in Cenozoic Magmatic Arcs of Southeast

- Asia and the West Pacific. *Economic Geology*, 100th Anniversary volume, pp. 891-930.
- Gray, J. E. & Coollbaugh, M. F., 1994, Geology and geochemistry of Summitville, Colorado: An epithermal acid-sulfate deposit in a volcanic dome. *Econ. Geol.* 89
- Hall, R., 2009, *Indonesia Geology*, Royal Holloway University of London. P 454-460.
- Hamilton, W.H., 1979, Tectonics of the Indonesian region. U.S. Geological Survey Professional Paper, 1078, 345 pp.
- Harrison, R., 2012, The Geology, Alteration and Mineralisation of the Tumpangpitu Porphyry Cu-Au and High-Sulfidation Epithermal Au-Ag Deposit, *Proceedings of Banda and Eastern Sunda Arcs 2012 MGEI Annual Convention* p. 273-278
- Hedenquist, J.W. and Henley, R.W., 1994, The importance of CO<sub>2</sub> on freezing point measurements of fluid inclusions: Evidence from active geothermal systems and implications for epithermal ore deposition: *Econ. Geol.*, v. 80, p. 1379–1406.
- Hedenquist, J.W., and Lowenstern, J.B., 1994, The role of magmas in the formation of hydrothermal ore deposits: *Nature*, v. 370, p. 519–527.
- Hedenquist J.W., Aoki, M. and Shinohara, H. (1994b). Flux of volatiles and ore forming metals from the magmatic-hydrothermal system of Satsuma Iwojima volcano. *Geology* 22, 585-588.
- Hedenquist, J.W., Matsuhisa, Y., Izawa, E., White, N.C., Giggenbach, W.F. and Aoki, M. (1994a): Geology and Geochemistry of High Sulfidation Cu-Au mineralization in the Nansatsu district, Japan. *Econ. Geol.* 89, 1-30.
- Hedenquist, J.W., Arribas, A., Jr., and Gonzalez-Urien, E., 2000, Exploration for epithermal gold deposits: Reviews in *Economic Geology*, v. 13, p. 245–277.
- Hellman, P. L. 2011. Intrepid Mines Limited, Tujuh Bukit Project, Report on Mineral Resources, Located in East Java, Indonesia, Technical Report for Intrepid Mines Limited. NI43-101 report.

- Katili, J.A. 1989. Evolution of the Southeast Asian arc Complex. *Geol. Indones.*, 21, 113-143.
- Leach, T.M., and Corbett, G.J., 1994, Porphyry-related carbonate base metal gold systems: Characteristics, *in* Rogerson, R., ed., *Geology, exploration and mining conference*, June 1994, Lae, Papua New Guinea, proceedings: Parkville, The Australasian Institute of Mining and Metallurgy, p. 84-91.
- Leach, T.M., and Corbett, G.J., 1995, Characteristics of low sulphidation gold-copper systems in the southwest Pacific, in *Pacific Rim Congress 95*, 19-22 November 1995, Auckland, New Zealand, proceedings: Carlton South, The Australasian Institute of Mining and Metallurgy, p. 327-332.
- Lowell, J. D and Guilbert, J. M., 1970, Lateral and vertical alteration-mineralization zoning in porphyry ore deposits. *Econ Geol* 65: 373–40
- Mapcherson, C.G. & Hall, R. 1999. Tectonic controls of geochemical evolution in arc magmatism of SE Asia. *Proceedings PACRIM*, 99, 359-367
- Maryono, A., Setidjaji, L.D., Arif .J., Harrison, R., SoeriaAtmadja, E., 2012, Gold, Silver, and Copper Metallogeny of the Eastern Sunda Magmatic Arc Indonesia, *Proceeding of Banda and Eastern Sunda Arcs 2012 MGEI Annual Convention* p.23-38
- Middlemost, E.A.K., 1994, Naming materials in the magma/igneous rock system: *Earth Science Reviews*, v.37, no.1, p. 19-26.
- Pearce, J.A., 1982, Trace element characteristics of lavas from destructive plate boundaries. In *Andesites: Orogenic Andesites and Related Rocks* (R.S. Thorpe, ed.). John Wiley & Sons, Chichester, U.K. (525-548).
- Pearce, J.A., 1983, Role of the sub-continental lithosphere in magma genesis at active continental margins. In: Hawkesworth, C.J., and Norry, M.J., (eds.), *Continental basalts and mantle xenoliths*. Shiva, Nantwich, pp. 230–249.
- Pearce J. A., Harris N. B. W. and Tindle A. G., 1984, Trace element discrimination diagrams for the tectonic interpretation of granitic rocks. *J. Petrol*, 25, p.956-983.

- Pearce, J.A., 1996: A user's guide to basalt discrimination diagrams. In Trace Element Geochemistry of Volcanic Rocks (D.A. Wyman, ed.). Geol. Assoc. Can., Short Course Notes 12, 79-114.
- Roedder, E., 1984, Fluid inclusions. Mineralogical Soc. Am., Rev. Mineral. 12, p 646.
- Rollinson, H.R., 1993, *Using Geochemical Data: Evaluation, Presentation, Interpretation*. London: Longman.
- Setijadji, L.D., 2010, Segmented Volcanic Arc and its Association with Geothermal Fields in Java Island, Indonesia, *Proceedings World Geothermal Congress 2010*.
- Setidjaji, L.D. and Maryono, A, 2012, Geology and Arc Magmatism of the Eastern Sunda Arc, Indonesia, *Proceeding of Banda and Eastern Sunda Arcs 2012 MGEI Annual Convention* p.1-22
- Shepherd, T.J., 1985. A Practical Guide to Fluid Inclusion Studies, Balckie, p. 237.
- Sillitoe, R.H., 1983, Enargite-bearing massive sulfide deposits high in porphyry copper systems: *Economic Geology*, v. 78, p. 348–352.
- Sillitoe, R.H., 1999, Styles of High-Sulphidation Gold, Silver and Copper Mineralisation in Porphyry and Epithermal Environments.
- Sillitoe, R.H., 2010, Porphyry copper systems, *Economic Geology*, v. 105, p. 3-41.
- Sillitoe, R.H., and Hedenquist, J.W., 2003, Linkages between volcano-tectonic settings, ore fluid compositions, and epithermal precious metal deposits: Society of Economic Geologists Special Publication, 10, p. 315–343.
- Smyth, H. R., Hall, R. & Nichols, G. J. 2008. Early Cenozoic volcanic arc history of East Java, Indonesia: the stratigraphic record of eruptions on a continental margin in a tropical setting. In: Draut, A. E., Clift, P. D. & Scholl, D. W. (Eds.), *Formation and Applications of the Sedimentary Record in Arc Collision Zones*. Geological Society America Special Publication, 436, 199-222.
- Steven, T.A. and Ratte J.C. 1960, Geology and Ore Deposits of the Summitville district, San Juan Mountains, Colorado. U.S. Geol. Surv. Prof. Paper 343.

- Stoffregen, R.E., 1987, Genesis of acid-sulfate alteration and Au-Cu-Ag mineralization at Summitville, Colorado: *Economic Geology*, v. 82, p. 1575–1591 In: Arribas, A. Jr., 1995, Characteristics of high-sulfidation epithermal deposits, and their relation to magmatic fluid: *Mineralogical Association of Canada Short Course*, v. 23, p. 419–454.
- Sun, S.S., and McDonough, W.S., 1989, Chemical and isotopic systematic of oceanic basalts: implications for mantle composition and processes. In: Saunders A.D., Norry M.J (Eds.), *Magmatism in the Ocean Basins*. Geological Society of London, Special Publication, 313–345.
- Van Bemmelen, R.W., 1949, *The Geology of Indonesia*, V.F.A. Government Printing Office, The Hague, 732 pp.
- Watters, B.R. and Pearce, J.A., 1987. Metavolcanic rocks of the La Ronge Domain in the Churchill Province, Saskatchewan: geochemical evidence for a volcanic arc origin, *in*: Pharaoh, T.C., Beckinsale, R.D., Richard, D. (Eds.), *Geochemistry and Mineralization of Proterozoic Volcanic Suites* Geological Society, Special Publications, vol.33, pp. 167-182.
- Wilson, M., 1989, *Igneous Petrogenesis. A Global Tectonic Approach*. London: International Thompson, 466 pp.
- Wilkinson, J.J., 2001, Fluid inclusions in hydrothermal ore deposits, *Lithos* 55, 2001. p.229–272.
- White, N.C., and Hedenquist, J.W., 1995, Epithermal environments and styles of mineralization: Variations and their causes, and guidelines for exploration: *Journal of Geochemical Exploration*, v. 36, p. 445–474.
- White, N.C. & Hedenquist, J.W., 1995, Epithermal gold deposits: styles, characteristics and exploration. *Soc. Econ. Geol. Newsletter* 21.
- Whitford, D.J., Nichols, I.A. and Taylor, S.R. 1979. Spatial variations in the geochemistry of Quaternary lavas across the Sunda arc in Java and Bali. *Contrib Mineral Petrol.*, 70, 341-356.