

**G&G Data Depository:** Complete reference list for text and tables, including Data Depository tables, to accompany J. E. Shigley et al., “Gem Localities of the 2000s,” Fall 2010 *G&G*, pp. 188–216.

We only included published literature and other information on gem localities from the period 1999–2010 in this list. For gem deposits discovered prior to 2000 but still productive during the past decade, the published literature on them prior to the past decade can be found in many instances in the two previous retrospective gem locality articles (Shigley et al., 1990, 2000).

Abduriyim A. (2008) Gem News International: Visit to andesine mines in Tibet and Inner Mongolia. *Gems & Gemology*, Vol. 44, No. 4, pp. 369–371.

\_\_\_\_\_. (2009) The characteristics of red andesine from the Himalaya Highland, Tibet. *Journal of Gemmology*, Vol. 31, No. 5/8, pp. 283–298.

Abduriyim A., Kitawaki H. (2005) Gem News International: Cu- and Mn-bearing tourmaline: More production from Mozambique. *Gems & Gemology*, Vol. 41, No. 4, pp. 360–361.

Abduriyim A., Kobayashi T. (2008) Gem News International: Gemological properties of andesine collected in Tibet and Inner Mongolia. *Gems & Gemology*, Vol. 44, No. 4, pp. 371–373.

Abduriyim A., Kitawaki H., Furuya M., Schwarz D. (2006) “Paraíba”-type copper-bearing tourmaline from Brazil, Nigeria, and Mozambique: Chemical fingerprinting by LA-ICP-MS. *Gems & Gemology*, Vol. 42, No. 1, pp. 4–21.

Adamo I., Pavese A., Prosperi L., Diella V., Ajò D., Dapiaggi M., Mora C., Manavella F., Salusso F., Giuliano V. (2006) Characterization of omphacite jade from the Po Valley, Piedmont, Italy. *Journal of Gemmology*, Vol. 30, No. 3/4, p. 215–226.

Adamo I., Bocchio R., Pavese A., Prosperi L. (2009a) Characterization of peridot from Sardinia, Italy. *Gems & Gemology*, Vol. 45, No. 2, pp. 130–133.

Adamo I., Bocchio R., Diella V., Pavese A., Vignola P., Prosperi L., Palanza V. (2009b) Demantoid from Val Malenco, Italy: Review and update. *Gems & Gemology*, Vol. 45, No. 4, pp. 280–287.

Adams C.J., Beck R.J. (2009) A signature for nephrite jade using its strontium isotopic composition: Some Pacific Rim examples. *Journal of Gemmology*, Vol. 31, No. 5/8, pp. 153–162.

Adams C.J., Beck R.J., Campbell H.J. (2007) Characterisation and origin of New Zealand nephrite jade using its strontium isotopic signature. *Lithos*, Vol. 97, No. 3/4, pp. 307–322.

Alrosa (2010) Alrosa operations. <http://eng.alrosa.ru/about/production> [date accessed April 6, 2010 ].

Amabili M., Miglioli A., Spertini F. (2004) Recent discoveries at the Jeffrey Mine, Asbestos, Québec. *Mineralogical Record*, Vol. 35, No. 2, pp. 123–135.

Amabili M., Spertini F., Auguste M.B. (2008) Jeffrey and Lac d'Amiante: Two of Québec's great garnet-bearing asbestos mines. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 38–43.

Amabili M., Spertini F., Auguste M.B., Bonin G. (2009) Famous mineral localities: The Lac D'Amiante mine, Black Lake, Thetford Mines, Quebec. *Mineralogical Record*, Vol. 40, No. 4, pp. 297–304.

Amankwah R.K., Anim-Sackey C. (2003) Strategies for sustainable development of the small-scale gold and diamond mining industry of Ghana. *Resources Policy*, Vol. 29, No. 3/4, pp. 131–138.

Anastasenko G.F., Leybov M.B. (2008) Diamonds of Russia. *Rocks & Minerals*, Vol. 83, No. 6, pp. 508–517.

Anckar B. (2006) Amethyst mining in Zambia. Proceedings of the GIA Gemological Research Conference, *Gems & Gemology*, Vol. 42, No. 3, pp. 112–113.

Andreozzi G.B., Lucchesi S., Graziani G. (2000) Structural study of magnesioaxinite and its crystal-chemical relations with axinite-group minerals. *European Journal of Mineralogy*, Vol. 12, No. 6, pp. 1185–1194.

Andrianjakawah P.R., Salvi S., Béziat D., Rakotondrazafy M., Giuliani G. (2009) Proximal and distal styles of pegmatite-related metasomatic emerald mineralization at Ianapera, southern Madagascar. *Mineralium Deposita*, Vol. 44, No. 7, pp. 817–835.

Appleyard C.M., Viljoen K.S., Dobbe R. (2004) A study of eclogitic diamonds and their inclusions from the Finsch kimberlite pipe, South Africa. *Lithos*, Vol. 77, No. 1/4, pp. 317–332.

Arif M., Henry D.J., Moon C.J. (2010) Cr-bearing tourmaline associated with emerald deposits from Swat, NW Pakistan: Genesis and its exploration significance. *American Mineralogist*, Vol. 95, No. 5/6, pp. 799–809.

Asiedu D.K., Dampare S.B., Asamoah-Sakyi P., Banoeng-Yakubo B., Osae S., Nyarko B.J.B., Manu J. (2004) Geochemistry of Paleoproterozoic metasedimentary rocks from the Birim diamondiferous field, southern Ghana: Implications for provenance and crustal evolution at the Archean-Proterozoic boundary. *Geochemical Journal*, Vol. 38, No. 3, pp. 215–228.

Asiedu D.K., Dampare S.B., Asamoah-Sakyi P., Boamah D. (2007) Major- and trace-element geochemistry of kimberlitic rocks in the Akwatisa area of the Birim diamondiferous field, southwest Ghana. *African Journal of Science and Technology*, Vol. 8, No. 2, pp. 81–91.

Australian Aquaculture Portal (2010) Pearls. [www.australian-aquacultureportal.com/industrygroups/pearls.html](http://www.australian-aquacultureportal.com/industrygroups/pearls.html) [date accessed October 15, 2010].

Badanina E.V., Gordienko V.V., Wiechowski A., Friedrich G. (2008) Sc- and REE-bearing ixiolite and associated minerals from the Sosedka pegmatite vein in the Malkhan pegmatite field, Central Transbaikal region. *Geology of Ore Deposits*, Vol. 50, No. 8, pp. 772–781.

Banerjee A., Wenzel T. (1999) Black opal from Honduras. *European Journal of Mineralogy*, Vol. 11, No. 2, pp. 401–408.

Banks D.A., Giuliani G., Yardley B.W.D., Cheillett A. (2000) Emerald mineralisation in Colombia: Fluid chemistry and the role of brine mixing. *Mineralium Deposita*, Vol. 35, No. 8, pp. 699–713.

Bari H., Lam D. (2009) *Pearls*. Skira, Milan, 335 pp.

Barley M.E., Pickard A.L., Zaw K., Rak P., Doyle M.G. (2003) Jurassic to Miocene magmatism and metamorphism in the Mogok metamorphic belt and the India-Eurasia collision in Myanmar. *Tectonics*, Vol. 22, No. 3, pp. 1019–1029.

Baroda pearls sell for record price (2007a) *Modern Jeweler*, Vol. 106, No. 6, p. 26.

Baroda pearls set record (2007b) *Colored Stone*, Vol. 20, No. 4, p. 6.

Barreto S.B., Guzzo P.L., Souza-Neto J.A., Morais P.A.R., Carvalho A.B.Jr., Khouri K.J. (2009) Spectroscopic study of rose quartz from the Taboa pegmatite (Borborema Province, Brazil) irradiated with high gamma doses. *Estudios Geológicos*, Vol. 19, No. 2, pp. 52–56.

Barton J.M. Jr., Barnett W.P., Barton E.S., Barnett M., Doorgapershad A., Twiggs C., Klemd R., Martin J., Mellonig L., Zenglein R. (2003) The geology of the area surrounding the Venetia kimberlite pipes, Limpopo Belt, South Africa: A complex interplay of nappe tectonics and granitoid magmatism. *South African Journal of Geology*, Vol. 106, No. 2/3, pp. 109–128.

Bartos P.J., Nelson E.P., Misantoni D. (2007) The Sweet Home rhodochrosite specimen mine, Alta District, central Colorado: The porphyry molybdenum-fluorine connection. *Mineralium Deposita*, Vol. 42, No. 3, pp. 235–250.

Bastos F.M. (2002) Famous mineral localities: The Barra de Salinas pegmatites, Minas Gerais, Brazil. *Mineralogical Record*, Vol. 33, No. 3, pp. 209–216.

- Battilani G.A., Gomes N.S., Guerra W.J. (2007) The occurrence of microdiamonds in Mesoproterozoic Chapada Diamantina intrusive rocks—Bahia/Brazil. *Anais da Academia Brasileira de Ciências*, Vol. 79, No. 2, pp. 321–332.
- Batumike J.M., Griffin W.L., O'Reilly S.Y. (2009a) Lithospheric mantle structure and the diamond potential of kimberlites in southern D.R. Congo. *Lithos*, Vol. 112, Supp. 1, pp. 166–176.
- Batumike J.M., Griffin W.L., O'Reilly S.Y., Belousova E.A., Pawlitschek M. (2009b) Crustal evolution in the central Congo-Kasai craton, Luebo, D.R. Congo: Insights from zircon U-Pb ages, Hf isotopes, and trace-element data. *Precambrian Research*, Vol. 170, No. 1/2, pp. 107–115.
- Baumgartner R., Romer R.L., Moritz R., Sallet R., Chiaradia M. (2006) Columbite-tantalite-bearing granitic pegmatites from the Seridó Belt, Northeastern Brazil: Genetic constraints from U-Pb dating and Pb isotopes. *Canadian Mineralogist*, Vol. 44, No. 1, pp. 69–86.
- Beard M. (2005) Oyster heaven. *Colored Stone*, Vol. 18, No. 3, pp. 60–65.
- Beaton D. (2009a) Gem News International: Color-change pyrope-spessartine from Kenya. *Gems & Gemology*, Vol. 45, No. 3, pp. 223–224.
- (2009b) Gem News International: Gem-quality amethyst from Morocco. *Gems & Gemology*, Vol. 45, No. 1, pp. 62–63.
- (2009c) Gem News International: Yellow grossular from Tanzania. *Gems & Gemology*, Vol. 45, No. 4, p. 299.
- Beaton D., Lu R. (2009) Gem News International: Zoisite from Afghanistan. *Gems & Gemology*, Vol. 45, No. 1, p. 70.
- Beautiful Kasumiga pearls revive (2009) *Jewellery News Asia*, No. 301, p. 118.
- Beesley C.R. (2004) The deposits at Nangimali: Gemstones from Azad Kashmir. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 56–61.
- Befi R., Simmons W.B., Falster A.U. (2009) Gem News International: New tourmaline production from Keffi, Nigeria. *Gems & Gemology*, Vol. 45, No. 3, pp. 227–228.
- Behling S., Wilson W.E. (2010) The Kagem emerald mine, Kafubu area, Zambia. *Mineralogical Record*, Vol. 41, No. 1, pp. 59–67.
- Berg R.B. (2004) Probable bedrock source of sapphires in alluvial deposits north of Butte, Montana. *Nevada Bureau of Mines and Geology, Special Publication 2004*, pp. 23–30.

Berger A.L., Berg R.B. (2006) The Silver Bow sapphire occurrence, Montana: Evidence for a volcanic bedrock source for Montana's alluvial sapphire deposits. *Economic Geology*, Vol. 101, No. 3, pp. 679–684.

Bettencourt-Dias M., Wilson W.E. (2000) The Alto Ligonha pegmatites, Mozambique. *Mineralogical Record*, Vol. 31, No. 6, pp. 459–497.

Better quality, higher quantity expected from Fiji pearls (2008) *Jewellery News Asia*, No. 289, pp. 148, 160.

Beurlen H., Barreto S., Martin R., Melgarejo J., da Silva M.R.R., Souza-Neto J.A. (2009a) The Borborema pegmatite province, NE-Brazil revisited. *Estudios Geológicos*, Vol. 19, No. 2, pp. 62–66.

Beurlen H., de Moura O.J.M., Soares D.R., da Silva M.R.R., Rhede D. (2009b) “Paraíba tourmaline” in pegmatites of the Borborema pegmatite province, NE Brazil: Geological and geochemical controls. *Estudios Geológicos*, Vol. 19, No. 2, pp. 67–71.

Bhaskara-Rao A. (2002) Silica enrichment, graphic granite and aquamarine growth: A new exploration guide. *Anais de Academia Brasileira de Ciencias*, Vol. 74, No. 3, pp. 533–538.

Bhaskara-Rao A., de Castro C., Adusumilli M.S., Barreto S de B. (2004) The Lages Pintadas aquamarine deposits, ENE Brasil: A new gem province and a new model. *Estudios Geológicos*, Vol. 14, No. 1, pp. 54–61.

BHP Billiton (2010) About Ekati.  
[www.bhpbilliton.com/bb/ourbusinesses/diamondsspecialtyproducts/ekatidiamondmine/aboutekati.jsp](http://www.bhpbilliton.com/bb/ourbusinesses/diamondsspecialtyproducts/ekatidiamondmine/aboutekati.jsp) [date accessed 04/07/10].

Bilal E., Correia-Neves J.M., Fuzikawa K., Horn A.H., da Rocha Oliveiros-Marciano V.R.P., Souza-Fernandes M.L., Moutte J., de Mello F.M., Nasraoui M. (2000) Pegmatites in southeastern Brazil. *Revista Brasileira de Geociências*, Vol. 30, No. 2, pp. 234–237.

Blauwet D. (2004) World-class localities: The Shigar, Basha, and Braldu Valleys. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 36–47.

——— (2006a) The sapphire and spinel deposit of An Phu, Luc Yen mining district, Yenbai Province, Vietnam. *Mineralogical Record*, Vol. 37, No. 3, pp. 225–238.

——— (2006b) Famous mineral localities: Alchuri, Shigar Valley, Northern Areas, Pakistan. *Mineralogical Record*, Vol. 37, No. 6, pp. 513–540.

- (2008) Pakistan and Afghanistan—Garnet from the roof of the world. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 70–76.
- Blauwet D., Laurs B.M. (2005) Gem News International: New ruby and pink sapphire deposit in Lake Baringo area, Kenya. *Gems & Gemology*, Vol. 41, No. 2, pp. 177–178.
- Blauwet D., Muhammad S. (2004) The pegmatites of Chumar Bakhoor: Nagar's treasure trove. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 48–53.
- Blauwet D., Quinn E.P., Muhlmeister S. (2005) Gem News International: New emerald deposit in Xinjiang, China. *Gems & Gemology*, Vol. 41, No. 1, pp. 56–57.
- Blodgett T., Fritz E., Simmons W.B., Falster A.U. (2007) Gem News International: Pyrope-almandine from Tanzania. *Gems & Gemology*, Vol. 43, No. 2, pp. 172–173.
- Blore S.G. (2005) The failure of good intentions: Fraud, theft and murder in the Brazilian diamond industry. *Partnership Africa Canada*, Occasional Paper No. 14, 30 pp.
- (2006a) Triple jeopardy: Triplicate forms and triple borders controlling diamond exports from Guyana. *Partnership Africa Canada*, Occasional Paper No. 14, 30 pp.
- (2006b) The lost world: Diamond mining and smuggling in Venezuela. *Partnership Africa Canada*, Occasional Paper No. 16, 20 pp.
- Bluck B.J., Ward J.D., De Wit M.C.J. (2005) Diamond mega-placers: Southern Africa and the Kaapvaal craton in a global context. In I. McDonald, A.J. Boyce, I.B. Butler, R.J. Herrington, and D.A. Polya, Eds., *Mineral Deposits and Earth Evolution*, Geological Society, London, Special Publication No. 248, pp. 213–245.
- Bluck B.J., Ward J.D., Cartwright J., Swart R. (2007) The Orange River, southern Africa: An extreme example of a wave-dominated sediment dispersal system in the South Atlantic Ocean. *Journal of the Geological Society*, Vol. 164, No. 2, pp. 341–351.
- Boehm E. (2000) Gem News: Aquamarine from southeast India. *Gems & Gemology*, Vol. 36, No. 3, pp. 263–264.
- (2002a) Gem News International: New emerald find from the Chivor region, Colombia. *Gems & Gemology*, Vol. 38, No. 4, p. 351.
- (2004) Gem News International: New ruby production from Malawi. *Gems & Gemology*, Vol. 40, No. 1, pp. 70–71.
- (2006) Gem News International: Update on iridescent andradite from Mexico. *Gems & Gemology*, Vol. 42, No. 2, pp. 170–171.

- Bosshart G., Chapman J.G. (2010) The Argyle diamond mine in transition from open pit to underground extraction. *Australian Gemmologist*, Vol. 24, No. 1, pp. 4–8.
- Bouilhol P., Burg J.P., Bodinier J.L., Schmidt M.W., Dawood H., Hussain S. (2009) Magma and fluid percolation in arc and forearc mantle: Evidence from Sapat (Kohistan, northern Pakistan). *Lithos*, Vol. 107, No. 1/2, pp. 17–37.
- Bowen D.C., Ferraris R.D., Palmer C.E., Ward J.D. (2009) On the unusual characteristics of diamonds from Letšeng-la-Terae kimberlites, Lesotho. *Lithos*, Vol. 112, Supp. 2, pp. 767–774.
- Bowersox G., Foord E.E., Laurs B.M., Shigley J.E., Smith C.P. (2000) Ruby and sapphire from Jegdalek, Afghanistan. *Gems & Gemology*, Vol. 36, No. 2, pp. 110–126.
- Bowling R.L., Moore R., Ledford T. (2005) The Jackson's Crossroads amethyst deposit, Wilkes County, Georgia. *Mineralogical Record*, Vol. 36, No. 6, pp. 479–486.
- Boyd W.F. (2006) Canadian diamonds—Obscurity to center stage. *Rocks & Minerals*, Vol. 81, No. 4, pp. 278–283.
- Bracewell H. (2000) Moonstone—A rare Queensland gemstone. *Australian Gemmologist*, Vol. 20, No. 12, pp. 523–528.
- Brajkovic A., Rolandi V., Vignola P., Grizzetti R. (2007) Blue and pink opals from Acari, Peru. *Australian Gemmologist*, Vol. 23, No. 1, pp. 3–15.
- Brand launch unveils new beginnings for Cook Island pearls (2010) *Jewellery News Asia*, No. 305, pp. 38, 40.
- Branellec J. (2008) Pearl farming: A safe harbour for biodiversity. *Jewellery News Asia*, No. 292, pp. 72, 74.
- Breeding C.M., Rockwell K., Laurs B.M. (2007) Gem News International: New Cu-bearing tourmaline from Nigeria. *Gems & Gemology*, Vol. 43, No. 4, pp. 384–385.
- Brooker R.A., James R.H., Blundy J.D. (2004) Trace elements and Li isotope systematics in Zabargad peridotites: Evidence of ancient subduction processes in the Red Sea mantle. *Chemical Geology*, Vol. 212, No. 1/2, pp. 179–204.
- Brown D.L., Wilson W.E. (2001) Famous mineral localities: The Rist and Ellis tracts, Hiddenite, North Carolina. *Mineralogical Record*, Vol. 32, No. 2, pp. 129–140.
- Brown G. (2000) Australia's gemstone resources and markets. *Australian Gemmologist*, Vol. 20, No. 12, pp. 534–539.

- (2002) Update of Australia's gemstone and pearl resources. *Australian Gemmologist*, Vol. 21, No. 8, pp. 273–277.
- (2007) Unusual abalone pearls. *Pearl World*, Vol. 16, No. 2, p. 4–7.
- (2008) Akoya cultivation in Australia. *Pearl World*, Vol. 17, No. 3, p. 6–11.
- Brown R.J., Gernon T., Stiefenhofer J., Field M. (2008) Geological constraints on the eruption of the Jwaneng Centre kimberlite pipe, Botswana. *Journal of Volcanology and Geothermal Research*, Vol. 174, No. 1/3, pp. 195–208.
- Burlakov E.V., Avdonin V.V. (2006) Die Chromitlagerstätte Sarany im Ural. *Lapis*, Vol. 31, No. 10, pp. 53–61.
- Cairncross B. (2005a) Beryl from southern Africa. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 78–83.
- (2005b) Klein Spitzkoppe, Namibia. *Mineralogical Record*, Vol. 36, No. 4, pp. 317–335.
- Cairncross B., Bahmann U. (2006a) Famous mineral localities: The Erongo Mountains, Namibia. *Mineralogical Record*, Vol. 37, No. 5, pp. 361–470.
- (2006b) Minerals from the Goboboseb Mountains, Brandberg Region, Namibia. *Rocks & Minerals*, Vol. 81, No. 6, pp. 442–457.
- Campos-Alvarez N.O., Roser B.P. (2007) Geochemistry of black shales from the Lower Cretaceous Paja formation, Eastern Cordillera, Colombia: Source weathering, provenance, and tectonic setting. *Journal of South American Earth Sciences*, Vol. 23, No. 4, pp. 271–289.
- Canning K. (2010) Freshwater pearl history, [www.antiques-art-collectibles.com/jewelry/pearl/freshwater.html](http://www.antiques-art-collectibles.com/jewelry/pearl/freshwater.html) [date accessed: June 2, 2010].
- Carranza E.J.M., Woldai T., Chikambwe E.M. (2005) Application of data-driven evidential belief functions to prospectivity mapping for aquamarine-bearing pegmatites, Lundazi District, Zambia. *Natural Resources Research*, Vol. 14, No. 1, pp. 47–63.
- Cartier L.E. (2009) Ruby and sapphire from Marosely, Madagascar. *Journal of Gemmology*, Vol. 31, No. 5/8, pp. 171–179.
- Castor S.B., Henry C.D. (2000) Geology, geochemistry, and origin of volcanic rock-hosted uranium deposits in northwestern Nevada and southeastern Oregon, USA. *Ore Geology Reviews*, Vol. 16, No. 1/2, pp. 1–40.
- Cattaneo G.L. (2008) Ambre mésoaméricain. *Revue de Gemmologie a.f.g.*, No. 165, pp. 9–16.

- Caucia F., Ghisoli C., Adamo I., Boiocchi M. (2008a) Opal-C, opal-CT, and opal-T from Acari, Peru. *Australian Gemmologist*, Vol. 23, No. 6, pp. 266–271.
- Caucia F., Ghisoli C., Bordoni V. (2008b) Opali di fuoco del Brasile. *Rivista Gemmologica Italiana*, Vol. 3, No. 3, pp. 179–188.
- Caucia F., Ghisoli C., Adamo I. (2009) A study of the characteristics of some C- and CT-opals from Brazil. *Neues Jahrbuch für Mineralogie Abhandlungen*, Vol. 185, No. 3, pp. 289–296.
- Censier C., Tourenq J., Laurin B. (2006) Origine et dynamique de mise en place d'un système fluviatile diamantifère Mézoïque par analyses statistiques multivariées des minéraux lourds: La formation de Carnot (République Centrafricaine). *Africa Geoscience Review*, Vol. 13, No. 3/4, pp. 251–266.
- César-Mendes J., Jort-Evangelista H., Wegner R. (2001) Tourmaline and aquamarine deposits from Brazil. *Australian Gemmologist*, Vol. 21, No. 1, pp. 3–6.
- Cevalhos P. (2009) Gem News International: Kornerupine (prismatine) from Tanzania. *Gems & Gemology*, Vol. 45, No. 1, p. 66.
- Chadwick K.M., Laurs B.M. (2008) Gem News International: Yellow danburite from Tanzania. *Gems & Gemology*, Vol. 44, No. 2, pp. 169–171.
- Chadwick K.M., Rossman G.R. (2009) Gem News International: Orange kyanite from Tanzania. *Gems & Gemology*, Vol. 45, No. 2, pp. 146–147.
- Chadwick K.M., Shen A.H., Laurs B.M., Simmons W.B., Falster A.U. (2007) Gem News International: Cr/V-bearing green spodumene from Afghanistan. *Gems & Gemology*, Vol. 43, No. 3, pp. 265–267.
- Chadwick K.M., Koivula J.I., Laurs B.M., Attard J., Simmons W.B., Falster A.U. (2008a) Gem News International: Spessartine from Loliondo, Tanzania. *Gems & Gemology*, Vol. 44, No. 1, pp. 76–78.
- Chadwick K.M., Breeding C.M., Simmons W.B., Falster A.U. (2008b) Gem News International: Green sodic plagioclase from East Africa. *Gems & Gemology*, Vol. 44, No. 1, pp. 83–85.
- Chalapathi-Rao N.V. (2006) Mesoproterozoic diamondiferous ultramafic pipes at Majhgawan and Hinota, Panna area, central India: Key to the nature of sub-continental lithospheric mantle beneath the Vindhyan Basin. *Journal of Earth System Science*, Vol. 115, No. 1, pp. 161–183.
- Chamberlain C.P., Koons P.O., Meltzer A.S., Park S.K., Craw D., Zeitler P., Poage M.A. (2002) Overview of hydrothermal activity associated with active orogenesis and metamorphism:

Nanga Parbat, Pakistan Himalaya. *American Journal of Science*, Vol. 302, No. 8, pp. 726–748.

Chapman J. (2005) Spotlight on Angola. *Rough Diamond Review*, No. 8, pp. 31–36.

Chaves M.L.S.C., Karfunkel J., Hoppe A., Hoover D.B. (2001) Diamonds from the Espinhaço Range (Minas Gerais, Brazil) and their redistribution through the geological record. *Journal of South American Earth Sciences*, Vol. 14, No. 3, pp. 277–289.

Chihara K. (1999) Jadeite in Japan. *Journal of the Gemmological Society of Japan*, Vol. 20, No. 1/4, pp. 5–18.

Choowong M. (2002) Quaternary geology and sapphire deposits from the Bo Phloi gem field, Kanchanaburi Province, western Thailand. *Journal of Asian Earth Sciences*, Vol. 20, No. 2, pp. 119–125.

Clark R. (2005) Virgin Valley opal. *Rock & Gem*, Vol. 35, No. 10, pp. 28–32.

Clary J. (2009) Back in the black. *Colored Stone*, Vol. 22, No. 2, pp. 26–29.

Cleary J.G., Rohtert W. R. (2002) Gem News International: Important discovery of jadeite in Guatemala. *Gems & Gemology*, Vol. 38, No. 4, pp. 352–353.

Cody A. (2007) The opal fields of South Australia. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 44–48.

Coenraads R.R., Canut de Bon C. (2000) Lapis lazuli from the Coquimbo region, Chile. *Gems & Gemology*, Vol. 36, No. 1, pp. 28–41.

Coenraads R.R., Laird J.W. (2000) The Slocan Valley sapphire deposit, Nelson, British Columbia, Canada. *Australian Gemmologist*, Vol. 20, No. 10, pp. 410–415.

Coenraads R.R., Zenil A.R. (2006) Leopard opal: Play-of-color opal in vesicular basalt from Zimapán, Hidalgo State, Mexico. *Gems & Gemology*, Vol. 42, No. 4, pp. 236–246.

Collyer T.A., Kotschoubey B. (2000) The São Geraldo de Araguaia opal deposit, Pará, Brazil. *Revista Brasileira de Geociências*, Vol. 30, No. 2, pp. 251–255.

Colombo F., Rinaudo C., Trossarelli C. (2000) The mineralogical composition of *maw-sit-sit* from Myanmar. *Journal of Gemmology*, Vol. 27, No. 2, pp. 87–92.

Commin-Fischer A., Berger G., Polvé M., Dubois M., Sardini P., Beaufort D., Formoso M. (2010) Petrography and chemistry of SiO<sub>2</sub> filling phases in the amethyst geodes from Serra Geral formation deposit, Rio Grande do Sul, Brazil. *Journal of South American Earth Sciences*, Vol. 29, No. 3, pp. 751–760.

- Cook B.C. (2002) The tourmaline of Paraíba, Brazil. *extraLapis English No. 3: Tourmaline—A Gemstone Spectrum*, Lapis International LLC, East Hampton, CT, pp. 47–53.
- Cook Island SSPS undergo revitalization and renewal (2010) *Pearl World*, Vol. 19. No. 1, pp. 5–8.
- Cook R.B. (2000) Connoisseur's choice: Brazilianite—Córrego Frio, Minas Gerais, Brazil. *Rocks & Minerals*, Vol. 75, No. 1, pp. 40–42.
- (2007) Mining for emeralds in Hiddenite, Alexander County, North Carolina. *Rocks & Minerals*, Vol. 82, No. 2, pp. 149–150.
- (2008) Connoisseur's choice: Kyanite—Minas Gerais, Brazil. *Rocks & Minerals*, Vol. 83, No. 6, pp. 520–526.
- (2009) Connoisseur's choice: Phenakite—Mount Antero, Chaffee County, Colorado. *Rocks & Minerals*, Vol. 84, No. 4, pp. 338–344.
- (2010a) Collector's note: Zambian emeralds—A recent find. *Rocks & Minerals*, Vol. 85, No. 1, pp. 74–76.
- (2010b) Connoisseur's choice: Spessartine—Marienfluss, northern Namibia. *Rocks & Minerals*, Vol. 85, No. 1, pp. 50–59.
- Cooper W., Neville B.J. (2007) Queensland opal. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 22–26.
- Corday A., Dittrich H. (2009) Amber—The Caribbean approach. *InColor*, No. 12 (Fall-Winter), pp. 16–20.
- da Costa G.M., Sabioni A.C.S., Ferreira C.M. (2000) Imperial topaz from Ouro Preto, Brazil: Chemical character and thermal behavior. *Journal of Gemmology*, Vol. 27, No. 3, pp. 133–138.
- da Costa M.L., Fernández O.C., de Toledo M.C.M., Passos C.M., Pereira P.F. (2004) A turquesa de Itacupim, Pará. *Revista Escola de Minas*, Vol. 57, No. 4, pp. 261–266.
- Couch W.J. (2002) Strategic resolution of policy, environmental and socio-economic impacts in Canadian Arctic diamond mining: BHP's NWT diamond project. *Impact Assessment and Project Appraisal*, Vol. 20, No. 4, pp. 265–278.
- Couto P. (2000) *Gemologic Map of the State of Bahia*. CPRM—Geological Survey of Brazil, Salvador, Bahia, 56 pp.

- Crawford M.L., Crawford W.A., Lindline J. (2005) 105 million years of igneous activity, Wrangell, Alaska to Prince Rupert, British Columbia. *Canadian Journal of Earth Sciences*, Vol. 42, No. 6, pp. 1097–1116.
- Cruickshank R.D., Ko K. (2003) Geology of an amber locality in the Hukawng Valley, northern Myanmar. *Journal of Asian Earth Sciences*, Vol. 21, No. 5, pp. 441–455.
- Cruz-Ocampo J.C., Canet C., Peña-Garcia D. (2007) Las gemas de México. *Boletín de La Sociedad Geológica Mexicana*, Vol. 59, No. 1, pp. 9–18.
- Dabdouh T. (2007) Honduras precious opal. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, p. 75.
- Damarupurshad A. (2006) *South African Diamond Handbook and Operating Diamond Mines Directory*. Department of Mines and Energy, Pretoria, 57 pp.
- Dameron B. (2008) Grossular from Mali. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 50–51.
- Dampare S., Asiedu D., Banoeng-Yakubo B., Shibata T. (2005) Heavy mineral analysis of alluvial sediments from the Akwatisa area of the Birim diamondiferous field, Ghana. *Okayama University Earth Science Reports*, Vol. 12, No. 1, pp. 7–14.
- Danet F. (2006) Gem News International: Tourmaline mining at Nandihizana, Madagascar. *Gems & Gemology*, Vol. 42, No. 4, pp. 280–281.
- (2007) Gem News International: New pegmatite gem production from Tsarafara, Madagascar. *Gems & Gemology*, Vol. 43, No. 1, pp. 69–70.
- (2009a) Gem News International: Demantoid from Ambanja, Madagascar. *Gems & Gemology*, Vol. 45, No. 3, pp. 218–219.
- (2009b) Gem News International: Citrine from Andongologo, Madagascar. *Gems & Gemology*, Vol. 45, No. 2, p. 145.
- (2009c) Gem News International: Cat's-eye phenakite. *Gems & Gemology*, Vol. 45, No. 3, p. 223.
- De Beers Canada (2010a) About the Snap Lake Mine. [www.debeerscanada.com/files\\_3/snap-lake-mine.php](http://www.debeerscanada.com/files_3/snap-lake-mine.php) [date accessed April 7, 2010 ].
- (2010b) About the Victor Mine. [www.debeerscanada.com/files\\_3/victor-mine.php](http://www.debeerscanada.com/files_3/victor-mine.php) [date accessed April 7, 2010 ].
- De Vito C., Pezzotta F., Ferrini V., Aurisicchio C. (2006) Nb-Ti-Ta oxides in the gem-mineralized and “hybrid” Anjanabonoina granitic pegmatite, central Madagascar: A

record of magmatic and postmagmatic events. *Canadian Mineralogist*, Vol. 44, No. 1, pp. 87–103.

Deines P., Stachel T., Harris J.W. (2009) Systematic regional variations in diamond carbon isotopic composition and inclusion chemistry beneath the Orapa kimberlite cluster in Botswana. *Lithos*, Vol. 112, Supp. 2, pp. 776–784.

Delclòs X., Arillo A., Peñalver E., Barrón E., Soriano C., López Del Valle R., Bernárdez E., Corral C., Ortúñoz V.M. (2007) Fossiliferous amber deposits from the Cretaceous (Albian) of Spain. *Comptes Rendus Palevol*, Vol. 6, No. 1/2, pp. 135–149.

D'el-Rey Silva L.J.H., Neto L.S.B. (2002) The Santa Terezinha–Campo Verdes emerald district, central Brazil: Structural and Sm-Nd data to constrain the tectonic evolution of the Neoproterozoic Brasília belt. *Journal of South American Earth Sciences*, Vol. 15, No. 6, pp. 693–708.

Dharmaratne P.G.R. (2003) Recent discoveries of large sapphires in Sri Lanka. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 52, No. 1, pp. 37–40.

Diamond Fields International (2010) Marine diamond mining operations.  
[www.diamondfields.com/s/Namibia.asp?reportID=70325](http://www.diamondfields.com/s/Namibia.asp?reportID=70325) [date accessed: Oct. 7, 2010]

DiamonEx (2010) Lerala diamond mine, Botswana.  
[www.diamonex.com.au/irm/content/project\\_mining.html](http://www.diamonex.com.au/irm/content/project_mining.html) [date accessed Oct. 7, 2010]

Dietrich C. (2003) *Diamonds in the Central African Republic: Trading, Valuing and Laundering*. Partnership Africa Canada, Ottawa, Occasional Paper, No. 8, 7 pp.

——— (2004) *Diamond Industry Annual Review—Democratic Republic of Congo*. Partnership Africa Canada, Ottawa, 12 pp.

Dill H.G. (2005) Geologie und petrographie des Saphir- und Rubinvorkommen von Chimwadzulu Hill, (W-Malawi). *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 54, No. 1, pp. 7–20.

——— (2007) A review of mineral resources in Malawi: With special reference to aluminum variation in mineral deposits. *Journal of African Earth Sciences*, Vol. 47, No. 3, pp. 153–173.

Dill H.G., Khishigsuren S., Majigsuren Y., Bulgamaa J., Hongor O., Hofmeister W. (2004) The diamondiferous peridotite [*sic*] (olivine) – garnet deposit Shavryns Tsaram, Central Mongolia, with special reference to its placer deposits. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 53, No. 2/3, pp. 87–104.

Dill H.G., Khishigsuren S., Majigsuren Y., Myagmarsuren S., Bulgamaa J., Hongor O. (2006) A review of the non-metallic industrial minerals of Mongolia: The impact of their

geological and geographical features on their formation and use. *International Geology Review*, Vol. 48, No. 2, pp. 129–173.

Dill H.G., Ludwig R.R. (2008) Geomorphological-sedimentological studies of landform types and modern placer deposits in the savanna (southern Malawi). *Ore Geology Reviews*, Vol. 33, No. 3/4, pp. 411–434.

Dirlam D.M., Laurs B.M., Pezzotta F., Simmons W.B. (2002) Liddicoatite tourmaline from Anjanabonoina, Madagascar. *Gems & Gemology*, Vol. 38, No. 1, pp. 28–53.

Dissanayake C.B., Chandrajith R., Tobschall H.J. (2000) The geology, mineralogy and rare element geochemistry of the gem deposits of Sri Lanka. *Bulletin of the Geological Society of Finland*, Vol. 72, No. 1/2, pp. 5–20.

Douman M., Dirlam D. (2004) Gem News International: Update on demantoid and cat's-eye demantoid from Iran. *Gems & Gemology*, Vol. 40, No. 1, pp. 67–68.

Douman M., Fritz E.A. (2008) Gem News International: A new source of Persian turquoise—Kerman, Iran. *Gems & Gemology*, Vol. 44, No. 2, pp. 183–184.

Downes P.J., Bevan A.W.R. (2002) Chrysoberyl, beryl and zincian spinel mineralisation in granulite facies Archaean rocks at Dowerin, Western Australia. *Mineralogical Magazine*, Vol. 66, No. 6, pp. 985–1002.

——— (2007) Diamonds in Western Australia. *Rocks & Minerals*, Vol. 82, No. 1, pp. 66–73.

Downing P.B. (2003) Beautiful British Columbia opal. *Rock & Gem*, Vol. 33, No. 10, pp. 20–23.

——— (2007) Candala mine chrysoprase—Seeing green in southern Queensland. *Rock & Gem*, Vol. 37, No. 11, pp. 12–14, 16.

Duarte L.C., Hartmann L.A., Vasconcellos M.A.Z., Medeiros J.T.N., Theye T. (2009) Epigenetic formation of amethyst-bearing geodes from Los Catalanes gemological district, Artigas, Uruguay, southern Paraná magmatic province. *Journal of Volcanology and Geothermal Research*, Vol. 184, No. 3/4, pp. 427–436.

Dufour M.S., Koltsov A.B., Zolotarev A.A., Kuznetsov A.B. (2007) Corundum-bearing metasomatic rocks in the central Pamirs. *Petrology*, Vol. 15, No. 2, pp. 151–167.

Duroc-Danner J.M. (2003) Gem News International: Gem-quality corundum from Colombia: Localities and inclusions. *Gems & Gemology*, Vol. 39, No. 4, pp. 329–331.

Eeckhout S.G., Castañeda C., Ferreira A.C.M., Sabioni A.C.S., de Grave E., Vasconcelos D.C.L. (2002) Spectroscopic studies of spessartine from Brazilian pegmatites. *American Mineralogist*, Vol. 87, No. 10, pp. 1297–1306.

- Eeckhout S.G., Sabioni A.C.S., Ferreira C.M. (2004) A treatment study of Brazilian garnets. *Journal of Gemmology*, Vol. 29, No. 4, pp. 205–214.
- Egorov K.N., Rotman A.Y., Zinchuk N.N., Nosyko S.F. (2005) Petrogeochemical composition of kimberlites in northeastern Angola. *Doklady Earth Sciences*, Vol. 403A, No. 6, pp. 891–895.
- Einfalt H.C. (2002) Edelsteinbergbau in Festgestein: Zwei Beispiele aus Pakistan. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 51, No. 4, pp. 153–157.
- Elliott J. (2009) *Diamonds in the Rough: Human Rights Abuses in the Marange Diamond Fields of Zimbabwe*. Human Rights Watch, New York.
- Emmett J.L. (2000) GN: An update on ruby and sapphire from Chimwadzulu Hill, Malawi. *Gems & Gemology*, Vol. 36, No. 1, pp. 71–73.
- Endiamma (2010a) Fucaúma. [www.endiamma.co.ao/eng/emp.php?cat=fuca%FAMA](http://www.endiamma.co.ao/eng/emp.php?cat=fuca%FAMA) [date accessed September 23, 2010 ].
- (2010b) Luarica. [www.endiamma.co.ao/eng/emp.php?cat=luarica](http://www.endiamma.co.ao/eng/emp.php?cat=luarica) [date accessed September 23, 2010 ].
- (2010b) Yetwene. [www.endiamma.co.ao/eng/emp.php?cat=yetwene](http://www.endiamma.co.ao/eng/emp.php?cat=yetwene) [date accessed September 23, 2010 ].
- Ercit T.S., Groat L.A., Gault R.A. (2003) Granitic pegmatites of the O’Grady Batholith, N.W.T., Canada: A case study of the evolution of the elbaite subtype of rare-metal granitic pegmatites. *Canadian Mineralogist*, Vol. 41, No. 1, pp. 117–137.
- Ertl A., Rossman G.R., Hughes J.M., London D., Wang Y., O’Leary J.A., Dyar M.D., Prowatke S., Ludwig T., Tillmanns E. (2010) Tourmaline of the elbaite-schorl series from the Himalaya Mine, Mesa Grande, California: A detailed investigation. *American Mineralogist*, Vol. 95, No. 1, pp. 24–40.
- Esenli F., Kumbasar I., Eren R.H., Uz B. (2001) Characteristics of opals from Simav, Turkey. *Neues Jahrbuch für Mineralogie Monatshefte*, No. 3, pp. 97–113.
- Esenli F., Kumbasar I., Esenli V., Kirikoglu S. (2003) A study of the characteristics of some opals from Turkey. *Neues Jahrbuch für Mineralogie Monatshefte*, No. 4, pp. 177–192.
- Evans M. (2008) Gem News International: A new find of vivid kunzite from Pala, California. *Gems & Gemology*, Vol. 44, No. 4, p. 373.
- Fabulous golden pearls of the Philippines, a lustrous future (2010) *Pearl World*, Vol. 19. No. 1, pp. 3, 10–12, 14.

- Fareeduddin, Rao M.S., Ed. (2007) *Kimberlite and Related Rocks of India*. Geological Society of India, Special Issue, Bangalore, 262 pp.
- Farrar B. (2007) Brazilian opal and the Boi Morto mine. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 70–74.
- (2009) Three centuries of diamonds: Preserving a tradition in Brazil. *Rock & Gem*, Vol. 39, No. 3, pp. 37–40.
- Faryad S.W. (2002) Metamorphic conditions and fluid compositions of scapolite-bearing rocks from the lapis lazuli deposit in Sare Sang, Afghanistan. *Journal of Petrology*, Vol. 43, No. 4, pp. 725–747.
- Federman D. (2003) Gem profile: Sea of Cortez pearls: Black gold. *Modern Jeweler*, Vol. 102, No. 11, pp. 39–40.
- (2006) Gem profile: Abalone mabe pearl. *Modern Jeweler*, Vol. 105, No. 10, pp. 45–46.
- (2007) Gem profile: Vietnamese akoya pearls. *Modern Jeweler*, Vol. 106, No. 10, pp. 49–50.
- Fernandes S., Choudhary G. (2009) Gem-quality andalusite from Brazil. *Gems & Gemology*, Vol. 45, No. 2, pp. 120–129.
- Ferreira A.C.M., Ferreira J.A. de M., Soares D.R. (2006) Caracterizaçã química e mineralogical da grossulária gema, de Áqua Fria, região do Seridó, NE do Brasil. *Estudios Geológicos*, Vol. 16, No. 2, pp. 83–92.
- (2007) Almandina-espeissartita gema de Marimbondo, Carnaúba dos Dantos, Rio Grande do Norte. *Estudios Geológicos*, Vol. 17, No. 2, pp. 31–40.
- Ferreira A.C.M., Ferreira V.P., Soares D.R., Vilarroel-Leo H.S. (2005) Chemical and mineralogical characterization of elbaites from the Alto Quixaba pegmatite, Seridó province, NE Brazil. *Anais da Academia Brasileira de Ciências*, Vol. 77, No. 4, pp. 729–743.
- Ferreira A.C.M., Ferreira J.A. de M., Soares D.R., Tavares J.F. (2008) Ocorrências de euclásios gemas em pegmatitos berilo-tantalíferos da região do Seridó, província pegmatítica da Borborema. *Estudios Geológicos*, Vol. 18, No. 2, pp. 117–128.
- Ferreira M.D.S.F., Fonseca M.A., Pires F.R.M. (2005) Pegmatitos mineralizados em água-marinha e topázio do Ponto do Marambaia, Minas Gerais: Tipologia e relações com o granite Caladão. *Revista Brasileira de Geociências*, Vol. 35, No. 4, pp. 463–473.
- Field M., Stiefenhofer J., Robey J., Kurszlaukis S. (2008) Kimberlite-hosted diamond deposits of southern Africa: A review. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 33–75.

- Fijał J., Heflik W., Natkaniec-Nowak L., Szczepaniak A. (2004) Emeralds from the Panjshir Valley (Afghanistan). *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 53, No. 4, pp. 127–142.
- Fischer K. (2007) Simav, Turkey. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, p. 78.
- Fisher J. (2002) Gem and rare-element pegmatites of Southern California. *Mineralogical Record*, Vol. 33, No. 5, pp. 363–407.
- (2005) Beryl from the pegmatites of Southern California. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 32–39.
- (2008) The gem and rare-element pegmatites of Southern California. *Mineralogical Record*, Vol. 39, No. 1, pp. 48–50.
- Fiske D., Shepherd J. (2007) Continuity and change in Chinese freshwater pearl culture. *Gems & Gemology*, Vol. 43, No. 2, pp. 138–145.
- Frasier S., Frasier A. (2007) White Cliffs in New South Wales: Opals and pineapples. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 30–32.
- Freeman G. (2005) August 2005 Mount Mica update. *Rocks & Minerals*, Vol. 80, No. 6, pp. 409–410.
- Fritsch E. (2002) Gem News International: Red andesine feldspar from Congo. *Gems & Gemology*, Vol. 38, No. 1, pp. 94–95.
- Fritsch E., Ostrooumov M., Rondeau B., Barreau A., Albertini D., Marie A.M., Lasnier B., Wery J. (2002b) Mexican gem opals: Nano- and micro-structure, origin of colour, comparison with other common opals of gemmological significance. *Australian Gemmologist*, Vol. 21, No. 6, pp. 230–233.
- Fritsch E., Rondeau B., Notari F., Michelou J.C., Devouard B., Peucat J.J., Chalain J.P., Lulzac Y., de Narvaez D., Arboleda C. (2002a) Les nouvelles mines d'émeraude de la Pita (Colombie). *Revue de Gemmologie a.f.g.*, No. 144, pp. 13–21.
- Fritsch E., Lulzac Y., Rondeau B. (2009) Gem News International: Common opal from Argentina. *Gems & Gemology*, Vol. 45, No. 3, pp. 220–221.
- Fritz E.A., Laurs B.M. (2007a) Gem News International: Amethyst from the Democratic Republic of the Congo. *Gems & Gemology*, Vol. 43, No. 1, pp. 64–65.

- (2007b) Gem News International: Andradite from Baluchistan, Pakistan. *Gems & Gemology*, Vol. 43, No. 4, p. 373.
- Fritz E.A., Laurs B.M., Koivula J.I. (2007a) Gem News International: Tourmaline (dravite and liddicoatite) from northeastern Madagascar. *Gems & Gemology*, Vol. 43, No. 1, pp. 73–75.
- Fritz E.A., Koivula J.I., Laurs B.M. (2007b) Gem News International: Turquoise from Nacozari, Sonora, Mexico. *Gems & Gemology*, Vol. 43, No. 1, pp. 75–77.
- Fritz E.A., Koivula J.I., Laurs B.M., Gunter M., Johnston C.L. (2007c) Gem News International: Inclusions in andradite from Namibia. *Gems & Gemology*, Vol. 43, No. 4, pp. 370–373.
- Fritz E.A., McClure S.F., Shen A.H., Laurs B.M., Simmons W.B., Falster A.U. (2007d) Gem News International: Color-zoned axinite from Pakistan. *Gems & Gemology*, Vol. 43, No. 3, pp. 254–255.
- From poverty to pearls: The Zanzibar women's success story (2009) *Pearl World*, Vol. 18, No. 3, pp. 3–5.
- Fuhrmann R. (2005) Die Bernsteinlagerstätte Bitterfeld, nur ein Höhepunkt des Vorkommens von Bernstein (Succinit) im Tertiär Mitteldeutschlands. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*, Vol. 156, No. 4, pp. 517–530.
- Furuya M. (2007a) Copper-bearing tourmalines from new deposits in Paraíba State, Brazil. *Gems & Gemology*, Vol. 43, No. 3, pp. 236–239.
- (2007b) La gemma del numero: Il granato demantoide—La leggendaria gemma risvegliata da un sonno lungo un secolo. *Rivista Gemmologica Italiana*, Vol. 2, No. 1, pp. 43–55.
- Gaber C.J. (2007) Opal in the United States and Canada. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 81–91.
- Gaillou E., Delaunay A., Rondeau B., Bouhnik-le-Coz M., Fritsch E., Cornen G., Monnier C. (2008) The geochemistry of gem opals as evidence of their origin. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 113–126.
- Galimov E.M., Palazhchenko O.V., Verichev E.M., Garanin V.K., Golovin N.N. (2008) Carbon isotopic composition of diamonds from the Archangelsk diamond province. *Geochemistry International*, Vol. 46, No. 10, pp. 961–670.
- García-Casco A., Rodríguez-Vega A., Cárdenas-Párraga J., Iturrealde-Vinent M.A., Lázaro C., Blanco-Quintero I., Rojas-Agramonte Y., Kröner A., Núñez-Cambrá K., Millán G., Torres-Roldán, Carrasquilla S. (2009) A new jadeitite jade locality (Sierra del Convento,

Cuba): First report and some petrological and archeological implications. *Contributions to Mineralogy and Petrology*, Vol. 158, No. 1, pp. 1–16.

Garland M.I. (2004) Amethyst in the Thunder Bay Region, Ontario. *Canadian Gemmologist*, Vol. 25, No. 2, pp. 44–57.

Garnett R.H.T. (2002) Recent developments in marine diamond mining. *Marine Georesources and Geotechnology*, Vol. 20, No. 2, pp. 137–159.

Garnier V., Giuliani G., Maluski H., Ohnenstetter D., Phan T.T., Hoang V.Q., Pham L.V., Vu T.V., Schwarz D. (2002) Ar-Ar ages in phlogopites from marble-hosted ruby deposits in northern Vietnam: Evidence for Cenozoic ruby formation. *Chemical Geology*, Vol. 188, No. 1/2, pp. 33–49.

Garnier V., Giuliani G., Ohnenstetter D., Schwarz D. (2004a) Les gisements de corindon: Classification et genèse. *Le Règne Minéral*, No. 55, pp. 7–35.

Garnier V., Giuliani G., Ohnenstetter D., Schwarz D. (2004b) Les placers à corindon gemme. *Le Règne Minéral*, No. 55, pp. 36–47.

Garnier V., Ohnenstetter D., Giuliani G. (2004c) Fluor-rich aspidolite: A witness of evaporate implication in the genesis of ruby in marbles at Nangimali (Azad Kashmir, Pakistan). *Comptes Rendus Geoscience*, Vol. 336, No. 14, pp. 1245–1253.

Garnier V., Giuliani G., Ohnenstetter D., Kausar A.B., Hoang V.Q., Phan T.T., Pham L.V. (2005a) Les gisements de rubis du Pakistan et du Viêt-nam. *Revue de Gemmologie a.f.g.*, No. 151, pp. 6–12.

Garnier V., Ohnenstetter D., Giuliani G., Fallick A.E., Phan T.T., Hoang V.Q., Pham L.V., Schwarz D. (2005b) Basalt petrology, zircon ages and sapphire genesis from Dak Nong, southern Vietnam. *Mineralogical Magazine*, Vol. 69, No. 1, pp. 21–38.

Garnier V., Ohnenstetter D., Giuliani G., Maluski H., Deloule E., Phan T.T., Pham L.V., Hoang V.Q. (2005c) Age and significance of ruby-bearing marble from the Red River Shear Zone, northern Vietnam. *Canadian Mineralogist*, Vol. 43, No. 4, pp. 1315–1329.

Garnier V., Maluski H., Giuliani G., Ohnenstetter D., Schwarz D. (2006) Ar-Ar and U-Pb ages of marble-hosted ruby deposits from Central and Southeast Asia. *Canadian Journal of Earth Sciences*, Vol. 43, No. 4, pp. 509–532.

Garnier V., Giuliani G., Ohnenstetter D., Fallick A.E., Dubessy J., Banks D., Hoang V.Q., Lhomme T., Maluski H., Pêcher A., Bakhsh K.A., Pham L.V., Phan T.T., Schwarz D. (2008) Marble-hosted ruby deposits from Central and Southeast Asia: Towards a new genetic model. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 169–191.

Gauthier J-P., Mazzero F., Mandaba Y., Fritsch E. (2004a) L'opale d'Ethiopie: Gemmologie ordinaire et caractéristiques exceptionnelles. *Revue de Gemmologie a.f.g.*, No. 149, pp. 15–23.

Gauthier J-P., Bittencourt-Rosa D., Rantsordas S., Samama J-C. (2004b) Le contexte minéralogique des gisements d'opale de la région de São Geraldo do Araguaia, Etat de Pará (Brésil). *Revue de Gemmologie a.f.g.*, No. 149, pp. 11–14.

Gberie L. (2004) *Diamond Industry Annual Review—Sierra Leone*. Partnership Africa Canada, Ottawa, 12 pp.

——— (2006) *Diamond Industry Annual Review—Sierra Leone*. Partnership Africa Canada, Ottawa, 12 pp.

Gem Diamonds (2010a) Cempaka. [www.gemdiamonds.com/b/o\\_id\\_cempaka.asp](http://www.gemdiamonds.com/b/o_id_cempaka.asp) [date accessed April 5, 2010 ].

——— (2010b) Ellendale. [www.gemdiamonds.com/b/o\\_au\\_ellendale.asp](http://www.gemdiamonds.com/b/o_au_ellendale.asp) [date accessed April 5, 2010 ].

——— (2010c) Letšeng. [www.gemdiamonds.com/b/o\\_ls\\_letseng.asp](http://www.gemdiamonds.com/b/o_ls_letseng.asp) [date accessed April 5, 2010 ].

Gendron F., Smith D.C., Gendron-Badou A. (2002) Discovery of jadeite jade in Guatemala confirmed by non-destructive Raman microscopy. *Journal of Archaeological Science*, Vol. 29, No. 8, pp. 837–851.

Genis R. (2007) The intriguing quahog pearl. *Pearl World*, Vol. 16, No. 2, pp. 12–13.

Gilg H.A., Morteani G., Kostitsyn Y., Preinfalk C., Gatter I., Strieder A.J. (2003) Genesis of amethyst geodes in basaltic rocks of the Serra Geral Formation (Ametista do Sul, Rio Grande do Sul, Brazil): A fluid inclusion, REE, oxygen, carbon, and Sr isotope study on basalt, quartz, and calcite. *Mineralium Deposita*, Vol. 38, No. 8, pp. 1009–1025.

Giresse P. (2005) Mesozoic-Cenozoic history of the Congo Basin. *Journal of African Earth Sciences*, Vol. 43, No. 1/3, pp. 301–315.

Giuliani G., France-Lanord C., Cheilletz A., Coget P., Branquet Y., Laumonier B. (2000) Sulfate reduction by organic matter in Colombian emerald deposits: Chemical and stable isotope (C, O, H) evidence. *Economic Geology*, Vol. 95, No. 5, pp. 1129–1153.

Giuliani G., Dubessy J., Banks D., Hoàng V.Q., Lhomme T., Pironon J., Garnier V., Phan T.T., Pham L.V., Ohnenstetter D., Schwarz D. (2003) CO<sub>2</sub>-H<sub>2</sub>S-COS-S<sub>8</sub>-AlO(OH) - bearing fluid inclusions in ruby from marble-hosted deposits in Luc Yen area, North Vietnam. *Chemical Geology*, Vol. 194, No. 1/3, pp. 167–185.

- Giuliani G., Fallick A., Rakotondrazafy A.F.M., Ohnenstetter D., Andriamamonjy A., Ralantoorison T., Rakotosamizanany S., Razanatseheno M., Offant Y., Garnier V., Dunaigre C., Schwarz D., Mercier A., Ratrimo V., Ralison B. (2007a) Oxygen isotope systematics of gem corundum deposits in Madagascar: Relevance for their geological origin. *Mineralium Deposita*, Vol. 42, No. 3, pp. 251–270.
- Giuliani G., Ohnenstetter D., Rakotondrazafy A.F.M., Fallick A.E., Rakotosamizanany S., Andriamamonjy A., Ralantoorison T., Razanatseheno M., Dunaigre C., Schwarz D. (2007b) Les gisements de corindons gemmes de Madagascar. *Revue de Gemmologie a.f.g.*, No. 159, pp. 14–28.
- Giuliani G., Ohnenstetter D., Palhol F., Feneyrol J., Boutroy E., De Boissezon H., Lhomme T. (2008) Karelianite and vanadian phlogopite from the Merelani Hills gem zoisite deposits, Tanzania. *Canadian Mineralogist*, Vol. 46, No. 5, pp. 1183–1194.
- Glas M. (2002) From Paris in America to Amerika in Saxony: A survey of worldwide tourmaline localities. *extraLapis English No. 3: Tourmaline—A Gemstone Spectrum*, Lapis International LLC, East Hampton, CT, pp. 73–98.
- Gomes C.L., Quinn E.P., Koivula J.I., Laurs B.M. (2004) Gem News International: Scapolite from Mozambique. *Gems & Gemology*, Vol. 40, No. 2, pp. 172–173.
- Gordon C. (2004) *Diamond Industry Annual Review—Angola*. Partnership Africa Canada, Ottawa, 12 pp.
- Graham I., Sutherland L., Zaw K., Nechaev V., Khanchuk A. (2008) Advances in our understanding of the gem corundum deposits of the West Pacific continental margins intraplate basaltic fields. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 200–215.
- Grakhanov S.A., Malanin Y.A., Pavlov V.I., Afanasev V.P., Pokhilenko N.P., Gerasimchuk A.V., Lipashova A.N. (2010) Rhaetian diamond placers in Siberia. *Russian Geology and Geophysics*, Vol. 51, No. 1, pp. 127–135.
- Grant R., Wilson W.E. (2001) Famous mineral localities: Dal'negorsk, Primorskiy Kray, Russia. *Mineralogical Record*, Vol. 32, No. 1, pp. 3–30.
- Graziani G., Martarelli L., Zoysa G. (2002) The peculiarity of olivine from Sri Lanka. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 51, No. 1, pp. 29–48.
- Groat L.A. (2005) Emerald and aquamarine in Canada. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 40–48.
- Groat L.A., Marshall D.D., Giuliani G., Murphy D.C., Piercy S.J., Jambor J.L., Mortensen J.K., Ercit T.S., Gault R.A., Mattey D.P., Schwarz D., Maluski H., Wise M.A., Wengzynowski

- W., Eaton D.W. (2002) Mineralogical and geochemical study of the Regal Ridge emerald showing, southeastern Yukon. *Canadian Mineralogist*, Vol. 40, No. 5, pp. 1313–1338.
- Groat L.A., Giuliani G., Marshall D.D., Turner D. (2008) Emerald deposits and occurrences: A review. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 87–112.
- Grundmann G., Giuliani G. (2002) World emerald occurrences. *extraLapis English No. 2: Emeralds of the World*, Lapis International LLC, East Hampton, CT, pp. 24–35.
- Gründmann G., Giuliani G. (2002) World emerald occurrences. *extraLapis English No. 2: Emeralds of the World*, Lapis International LLC, East Hampton, CT, pp. 24–35.
- Grygoriev V.V., Burlakov J.V., Polenov J.A., Kuznecov V.I. (2000) Rubinovoje: Die roten Korunde von Rai-Iz im Polar-Ural. *Lapis*, Vol. 25, No. 9, pp. 37–40.
- Guastoni A., Pezzotta F., Superchi M., Demartin F. (2001) Pyrope from the Dora Maira Massif, Italy. *Gems & Gemology*, Vol. 37, No. 3, pp. 198–204.
- Gübelin E. (1999) Die Klassifer aus Persien. *extraLapis No. 16: Türkise—Der Edelstein mit der Farbe des Himmels*, Christian Weise Verlag, Munich, Germany, pp. 68–69.
- Gunia P. (2000) The petrology and geochemistry of mantle-derived basic and ultrabasic rocks from the Szklary massif in the Fore-Sudetic Block (SW Poland). *Geologia Sudetica*, Vol. 33, No. 2, pp. 71–83.
- Gunter M.E. (2008) Idaho’s “star” garnet. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 30–33.
- Gurney J.J., Hildebrand P.R., Carlson J.A., Fedortchouk Y., Dyck D.R. (2004) The morphological characteristics of diamonds from the Ekati property, Northwest Territories, Canada. *Lithos*, Vol. 77, No. 1/4, pp. 21–38.
- Haapala I., Frindt S., Kandara J. (2007) Cretaceous Gross Spitzkoppe and Klein Spitzkoppe stocks in Namibia: Topaz-bearing A-type granites related to continental rifting and mantle plume. *Lithos*, Vol. 97, No. 1/2, pp. 174–192.
- Hainschwang T., Notari F. (2006) The cause of iridescence in rainbow andradite from Nara, Japan. *Gems & Gemology*, Vol. 42, No. 4, pp. 248–258.
- Hamid G., Kelly S.M.B., Brown G. (2000) Ruby from Tunduru-Songea, East Africa. *Australian Gemmologist*, Vol. 20, No. 8, pp. 326–330.
- Hammer V.M.F. (2003a) Edelsteinpegmatit: Die aquamarine von Nagar. *extraLapis No. 24: Edle Steine vom Dach der Welt*, Christian Weise Verlag, Munich, Germany, pp. 62–63.
- (2003b) Weltberühmt: Saphir, Rubin, und Spinell. *extraLapis No. 24: Edle Steine vom Dach der Welt*, Christian Weise Verlag, Munich, Germany, pp. 64–69.

- (2003c) Badaghshan: Lapis lazuli & Co. *extraLapis No. 24: Edle Steine vom Dach der Welt*, pp. 70–73.
- (2004a) The many shades of Pakistan's green gemstones. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 64–71.
- (2004b) Pink topaz from the Katlang Valley. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 62–63.
- (2004c) The many shades of Pakistan's green gemstones. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 64–71.
- (2004d) Red, blue and green gemstones from Hunza. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 54–55.
- Hammer V.M.F., Muhammad S. (2004) Picking pegmatite pockets: The road from Gilgit to Skardu. *extraLapis No. 6: Pakistan—Minerals, Mountains & Majesty*, Lapis International LLC, East Hampton, CT, pp. 24–32.
- Hänni H.A. (2001) Gem News International: Important new ruby deposits in eastern Madagascar: Chemistry and internal features. *Gems & Gemology*, Vol. 37, No. 2, pp. 146–147.
- (2008) Gem News International: New rubies from central Tanzania. *Gems & Gemology*, Vol. 44, No. 2 pp. 177–178.
- Hänni H.A., Krzemnicki M.S. (2009) Gemmologische Kurzinformationen: Das neue Rubinvorkommen von Montepuez, Mosambik. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 58, No. 3/4, pp. 127–130.
- Hänni H.A., Milisenda C.C., Henn U. (2001) Rubine aus neuen Vorkommen in Madagaskar. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 50, No. 2, pp. 89–94.
- Hänni H.A., Koivula J.I., Tannous M. (2003) Gem News International: Star sunstone from Tanzania. *Gems & Gemology*, Vol. 39, No. 3, pp. 235–236.
- Harlow G.E., Sorensen S.S. (2001) Jade: Occurrence and metasomatic origin. *Australian Gemmologist*, Vol. 21, No. 1, pp. 7–10.
- Harlow G.E., Hemming S.R., Lallement H.G.A., Sisson V.B., Sorensen S.S. (2004) Two high-pressure–low-temperature serpentinite-matrix mélange belts, Motagua fault zone, Guatemala: A record of Aptian and Maastrichtian collisions. *Geology*, Vol. 32, No. 1, pp. 17–20.

- Harris J.W., Stachel T., Léost I., Brey G.P. (2004) Peridotitic diamonds from Namibia: Constraints on the composition and evolution of their mantle source. *Lithos*, Vol. 77, No. 1/4, pp. 209–223.
- Hatipoğlu M. (2009) Moganite and quartz inclusions in the nano-structured Anatolian fire opals from Turkey. *Journal of African Earth Sciences*, Vol. 54, No. 1/2, pp. 1–21.
- Hatipoğlu M., Akgün A.M. (2010) Zultanite, or colour-change diaspore from the Milas (Mugla) Region, Turkey. *Australian Gemmologist*, Vol. 23, No. 12, pp. 559–563.
- Hatipoğlu M., Helvacı C., Chamberlain S.C., Bablik H. (2010a) Mineralogical characterization of unusual “Anatolian” diaspore (zultanite) crystals from the İlbirdaği diasprite deposit, Turkey. *Journal of African Earth Sciences*, Vol. 57, No. 5, pp. 525–541.
- Hatipoğlu M., Türk N., Chamberlain S.C., Akgün A.M. (2010b) Gem-quality transparent diaspore (zultanite) in bauxite deposits of the İlbir Mountains, Menderes Massif, SW Turkey. *Mineralium Deposita*, Vol. 45, No. 2, pp. 201–205.
- Hawaii's new pearls (2003) *Colored Stone*, Vol. 16, No. 6, p. 66.
- He F. (2001) China's major jade resources and their geological—mineralogical features. *China Gems*, Vol. 10, No. 4, pp. 28–31.
- He X.M., Cai K.Q., Gong S. (2000) New find of gem quality uvarovite in Tibet. *Australian Gemmologist*, Vol. 20, No. 11, pp. 473–477.
- Heflik W., Natkaniec-Nowak L. (2003) Lapis lazuli from Sar-e-Sang, Badakhshan, Afghanistan. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 51, No. 1, pp. 11–24.
- Henn U. (1999) Peridot aus China. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 48, No. 2, pp. 113–116.
- (2001) Rote turmaline aus Nigeria. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 50, No. 2, pp. 225–228.
- (2003a) Sapphire-blue kyanite from Nepal. *Australian Gemmologist*, Vol. 22, No. 1, pp. 35–36.
- (2003b) Gemologische Kurzinformationen: Aventurisierender Oligoklas aus USA. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 52, No. 2/3, pp. 117–118.
- (2004) Aventurescent oligoclase feldspar from Oregon, USA. *Journal of Gemmology*, Vol. 29, No. 2, pp. 72–74.

- (2005a) Gemologische Kurzinformationen: Tansania-Mondstein:Albit (Peristerit) mit blauem Fläschenschimmer. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 54, No. 2/3, pp. 114–117.
- (2005b) Gemologische Kurzinformationen: Skapolith-Katzenaugen aus Indien. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 54, No. 1, pp. 55–58.
- (2006a) Blauer, pinkfarbiger und hellgrüner Opal aus Peru. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 55, No. 3/4, pp. 111–118.
- (2006b) Gemologische Kurzinformationen: “Regenbogen-Mondstein” aus Indien. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 55, No. 3/4, pp. 133–135.
- (2009a) A study of zircon from Tanzania—“Malaya zircon.” *Australian Gemmologist*, Vol. 23, No. 10, pp. 453–456.
- (2009b) Gemmologische Kurzinformationen: Sultanit—Farbwechselnder Diaspor aus der Türkei. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 58, No. 1/2, p. 73.
- Henn U., Bank H. (2000) Klar durchsichtiger Rhodonit aus Brasilien. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 49, No. 3, pp. 151–153.
- Henn U., Braun C. (2001) Lapis lazuli—Eigenschaften und Vorkommen, Imitationen und künstliche Eigenschaftsveränderungen. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 50, No. 2, pp. 95–108.
- Henn U., Milisenda C. (2001) The gemstone occurrences of Madagascar. *Australian Gemmologist*, Vol. 21, No. 2, pp. 76–82.
- (2005) Gemmologische Kurzinformationen: Gemmologische Untersuchungen an Korunden aus Pakistan. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 54, No. 2/3, pp. 111–114.
- Henn U., Petsch E. (2000) Gemmologische Kurzinformationen: Verschiedenfarbige Saphire aus Brasilien. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 49, No. 3, pp. 173–175.
- Henn U., Quintens L. (2001) Gemmologische Kurzinformationen: Stabilisierter grüner Tükis aus China. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 50, No. 2, pp. 109–111.

- Henn U., Milisenda C.C., Häger T. (2005) Chatoyance und Asterismus bei Feldspat aus Tansania. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 54, No. 1, pp. 43–46.
- Henricus-Prematilleke J., Wong M. (2007) High-value pearls from the Philippines. *Jewellery News Asia*, No. 277, pp. 43–44, 48, 50, 56.
- Henry D. (2005) Gem beryl in Australia. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 76–77.
- Heylmun E.B. (2001) Placer diamonds in Venezuela. *International California Mining Journal*, Vol. 80, No. 7, pp. 21–23.
- History of our farm (2007) [www.kamokapearls.com/english/history/index.html](http://www.kamokapearls.com/english/history/index.html) [date accessed: February 5, 2010].
- Hlaing T. (1999) Burmite—Burmese amber. *Australian Gemmologist*, Vol. 20, No. 6, pp. 250–253.
- (2000) Chiastolite from Kyaukse, Myanmar. *Australian Gemmologist*, Vol. 20, No. 11, pp. 479–480.
- (2004) Spinel from Kayah State (Myanmar). *Australian Gemmologist*, Vol. 22, No. 2, pp. 64–66.
- (2007) Gem News International: Pink-to-red tourmaline from Myanmar. *Gems & Gemology*, Vol. 43, No. 2, pp. 173–174.
- (2008) Gem News International: Gem news from Myanmar. *Gems & Gemology*, Vol. 44, No. 1, p. 82.
- (2009a) Gem News International: Gem news from Myanmar. *Gems & Gemology*, Vol. 45, No. 1, pp. 67–68.
- (2009b) Gem News International: Myanmar cultured pearl production and new gem localities. *Gems & Gemology*, Vol. 45, No. 4, p. 301.
- Hlaing T., Win K.K. (2008) Gem News International: Ruby and other gems from Nanyaseik, Myanmar. *Gems & Gemology*, Vol. 44, No. 3, pp. 269–271.
- Hochleitner R. (2005a) Der Ural vom Nordmeer zum Aralsee. *extraLapis No. 29: Die schönsten Mineralien Rußlands*, Christian Weise Verlag, Munich, Germany, pp. 30–51.
- (2005b) Sibirien—vom Ural bis Tschukotka. *extraLapis No. 29: Die schönsten Mineralien Rußlands*, Christian Weise Verlag, Munich, Germany, pp. 52–67.

- Holzhey G. (2000) Gelbgrüner Opal-CT aus Madagaskar—Ein Beitrag zur Untersuchung mikrokristalliner Opale. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 49, No. 2, pp. 85–94.
- Hoover D.B., Karfunkel J. (2009) Large Brazilian diamonds. *Australian Gemmologist*, Vol. 23, No. 10, pp. 440–446.
- Horton D. (2002) Australian sedimentary opals—Why is Australia unique? *Australian Gemmologist*, Vol. 21, No. 8, pp. 278–294.
- Horváth L., Spertini F. (2008) Die Jeffrey Mine in Asbestos, Québec, Kanada. *Mineralien-Welt*, Vol. 19, No. 5, pp. 2–67.
- Htun H., Larson W., Cole J.E. (2006) Melo “pearls” from Myanmar. *Gems & Gemology*, Vol. 42, No. 3, pp. 135–136.
- Huber P. (2007) Classic Slovakia. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 12–13.
- Huber P.C. (2008) Mineralienfundstellen in Nevada: Das Virgin Valley—Holz und opal vom Feinstein. *Mineralien-Welt*, Vol. 19, No. 4, pp. 62–69.
- Hughes R.W., Galibert O., Bosshart G., Ward F., Oo T., Smith M., Sun T.T., Harlow G.E. (2000) Burmese jade: The inscrutable gem. *Gems & Gemology*, Vol. 36, No. 1, pp. 2–26.
- Human Rights Watch (2009) *Diamonds in the Rough: Human Rights Abuses in the Marange Diamond Fields of Zimbabwe*.  
[www.hrw.org/sites/default/files/reports/zimbabwe0609web.pdf](http://www.hrw.org/sites/default/files/reports/zimbabwe0609web.pdf), June.
- Hyršl J. (2001a) Gemstones of Peru. *Journal of Gemmology*, Vol. 27, No. 6, pp. 328–334.
- (2001b) Gem News International: Spinel with clinohumite from Mahenge, Tanzania. *Gems & Gemology*, Vol. 37, No. 2, pp. 144–145.
- (2002a) Gem News International: Some interesting new opals from Brazil. *Gems & Gemology*, Vol. 38, No. 3, pp. 268–269.
- (2002b) Gem News International: Color-change apatite from Kazakhstan. *Gems & Gemology*, Vol. 38, No. 4, pp. 350–351.
- (2006) Gem News International: Pink opal from Monte Rosa. *Gems & Gemology*, Vol. 42, No. 2, pp. 176–177.
- (2007) Peruvian blue opal. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, p. 79.

- Hyršl J., Petrov A. (1999) Sodalite from Bolivia. *Canadian Gemmologist*, Vol. 20, No. 2, pp. 54–56.
- (2009) The Anahí mine. *extraLapis English No. 12: Bolivia —The Height of Mineral Collecting*. Lithographie LLC, Denver, CO, pp. 85–87.
- Hyršl J., Rosales Z. (2005) Rote schönheit Südamerikas: Rhodochrosit-vorkommen in Peru. *Mineralien-Welt*, Vol. 16, No. 1, pp. 54–61.
- Industry groups: Pearls, (2010) [www.australian-aquacultureportal.com/industrygroups/pearls.html](http://www.australian-aquacultureportal.com/industrygroups/pearls.html) [date accessed: February 5, 2010].
- Inns A., Laurs B.M. (2009) Gem News International: Andradite from Erzincan, eastern Turkey. *Gems & Gemology*, Vol. 45, No. 2, p. 142.
- ITM Mining (2010a) Calonda Project.  
[www.itmmining.com/itm/layout1\\_en.php?p=M0BAMzBAQDM0](http://www.itmmining.com/itm/layout1_en.php?p=M0BAMzBAQDM0) [date accessed: April 9, 2010 ].
- (2010b) Chitololo Project.  
[www.itmmining.com/itm/layout1\\_en.php?p=M0BAMzBAQDM1](http://www.itmmining.com/itm/layout1_en.php?p=M0BAMzBAQDM1) [date accessed: April 9, 2010 ].
- (2010c) Cuango Project.  
[www.itmmining.com/itm/layout1\\_en.php?p=M0BAMzBAQDM1](http://www.itmmining.com/itm/layout1_en.php?p=M0BAMzBAQDM1) [date accessed: April 9, 2010 ].
- (2010d) Mufuto North Project.  
[www.itmmining.com/itm/layout1\\_en.php?p=M0BAMzBAQDM1](http://www.itmmining.com/itm/layout1_en.php?p=M0BAMzBAQDM1) [date accessed: April 9, 2010 ].
- Iturralde-Vinent M.A. (2001) Geology of amber-bearing deposits in the Greater Antilles. *Caribbean Journal of Science*, Vol. 17, No. 3/4, pp. 141–167.
- Jacob J., Ward J.D., Bluck B.J., Scholz R.A., Frimmel H.E. (2006) Some observations on diamondiferous bedrock gully trapsites on Late Cainozoic, marine-cut platforms of the Sperrgebiet, Namibia. *Ore Geology Reviews*, Vol. 28, No. 4, pp. 493–506.
- Jacobsen M.L. (2005) Mount Antero: The peak of Colorado beryl collecting. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 26–27.
- Jahn S. (2000) Das blaue wunder vom Erongo—Auf aquamarine-jagd im innern Namibia. *Mineralien-Welt*, Vol. 11, No. 6, pp. 34–41.
- Jahn S., Bahmann U. (2000) Die miarolen im Erongo-Granit: Ein Eldorado für aquamarine, schörl & Co. *Mineralien-Welt*, Vol. 11, No. 6, pp. 42–56.

Jahn S., Mendenbach O., Niedermayr G., Schneider G. (2001) *Namibia: Zauberwelt edler Steine und Kristalle*. Bode Verlag, Haltern, 224 pp.

Jakubec J., Long L., Nowicki T., Dyck D. (2004) Underground geotechnical and geological investigations at Ekati mine—Koala North: Case study. *Lithos*, Vol. 76, No. 1/4, pp. 347–357.

Jang-Green H. (2009) Gem News International: Transparent labradorite from Ketchikan, Alaska. *Gems & Gemology*, Vol. 45, No. 1, p. 67.

Jang-Green H., Beaton D. (2009) Gem News International: Light yellow-green grossular from Kenya. *Gems & Gemology*, Vol. 45, No. 1, pp. 65–66.

Jang-Green H.-J., Beaton D., Laurs B.M., Simmons W.B., Falster A.U. (2007) Gem News International: Two axinite species from Tanzania. *Gems & Gemology*, Vol. 43, No. 4, pp. 373–375.

Janse A.J.A. (2007) Global rough diamond production since 1870. *Gems & Gemology*, Vol. 43, No. 2, pp. 98–119.

Janse B. (2005) The search for diamonds. *Mining Journal*, August 19, 2005, pp. 18–25.

——— (2006) Diamond exploration. *Mining Journal*, August 18, pp. 19–26.

——— (2007) New sources needed to keep diamonds sparkling. *Mining Journal*, August 31, pp. 20–25.

——— (2008) Diamonds in a temporary equilibrium. *Mining Journal*, August 22, pp. 20–25.

——— (2009) Diamonds search for new best friend. *Mining Journal*, September 11, 2009, pp. 18–25.

——— (2010) The sparkle continues. *Mining Journal*, September 10, pp. 12–17.

Japan pearls in peril amid recession, competition (2009)

[www.nationaljewelernetwork.com/njn/content\\_display/colored-stones/color-market-reports/e3idbeede94114aaf427deb0c117e736df8](http://www.nationaljewelernetwork.com/njn/content_display/colored-stones/color-market-reports/e3idbeede94114aaf427deb0c117e736df8) [date accessed: March 1, 2010].

Japanese pearl farm pictures (2008) [www.pearl-guide.com/forum/akoya-pearls/3303-japanese-pearl-farm-pictures.html](http://www.pearl-guide.com/forum/akoya-pearls/3303-japanese-pearl-farm-pictures.html) [date accessed: February 5, 2010].

Jaques A.L., Milligan P.R. (2004) Patterns and controls on the distribution of diamondiferous intrusions in Australia. *Lithos*, Vol. 77, No. 1/4, pp. 783–802.

Jarnot B. (2005) New England gem beryl. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 28–31.

Jewelmer gets focused (2010) *Pearl World*, Jan/Feb/Mar, p. 3.

Jiddawi N. (2008) Pearl farming in Zanzibar. *Pearl Oyster*, No. 18, p. 18.

Johnson M.L., Koivula J.I., McClure S.F., DeGhionno D., Eds. (2000a) Gem News: Newly commercial emerald deposits in Colombia (La Pita and Polveros). *Gems & Gemology*, Vol. 36, No. 1, p. 68.

——— (2000b) Gem News: Another locality in Paraíba for cuprian elbaite. *Gems & Gemology*, Vol. 36, No. 1, p. 73.

——— (2000c) Gem News: Rubies (and sapphires) from Colombia. *Gems & Gemology*, Vol. 36, No. 3, p. 268.

Kalukiewicz A. (2005) Emerald mining in Afghanistan. *Mining Engineering*, Vol. 57, No. 9, pp. 17–21.

Kaminsky F.V., Zakharchenko O.D., Griffin W.L., Channer D.M. DeR., Khachatryan-Blinova G.K. (2000) Diamond from the Guaniamo area, Venezuela. *Canadian Mineralogist*, Vol. 38, No. 6, pp. 1347–1370.

Kaminsky F.V., Zakharchenko O.D., Davies R., Griffin W.L., Khachatryan-Blinova G.K., Shiryaev A.A. (2001) Superdeep diamonds from the Juina area, Mato Grosso State, Brazil. *Contributions to Mineralogy and Petrology*, Vol. 140, No. 6, pp. 734–753.

Kaminsky F.V., Zakharchenko O.D., Khachatryan G.K., Griffin W.L., Channer D.M. DeR. (2006) Diamond from the Los Coquitos area, Bolivar State, Venezuela. *Canadian Mineralogist*, Vol. 44, No. 2, pp. 323–340.

Kaminsky F.V., Khachatryan G.K., Andreazza P., Araujo D., Griffin W.L. (2009) Super-deep diamonds from kimberlites in the Juina area, Mato Grosso State, Brazil. *Lithos*, Vol. 112, Supp. 2, pp. 833–842.

Kaminsky F.V., Sablukov S.M., Belousova E.A., Andreazza P., Tremblay M., Griffin W.L. (2010) Kimberlitic sources of super-deep diamonds in the Juina area, Mato Grosso State, Brazil. *Lithos*, Vol. 114, No. 1/2, pp. 16–29.

Kamoka (2010) History of our farm. [www.kamokapearls.com/english/history/index.html](http://www.kamokapearls.com/english/history/index.html) [date accessed: October 15, 2010].

Kampf A.R. (2007) Gem News International: Namibian diamond mining by Namdeb. *Gems & Gemology*, Vol. 43, No. 4, pp. 367–370.

- Kane R.E. (2002) Burmese tourmaline—A historical perspective. *extraLapis English No. 3: Tourmaline—A Gemstone Spectrum*, Lapis International LLC, East Hampton, CT, pp. 58–61.
- Kanis J. (2001) Gem News International: First production of emeralds from Piteiras, Brazil. *Gems & Gemology*, Vol. 37, No. 1, pp. 68–69.
- (2002) Piteiras, Brasilien: Erfolgreiche Smaragdsuche mit modernsten Methoden. *Lapis*, Vo. 27, No. 3, pp. 13–18.
- Kanis J., Schwarz D. (2002) Emeralds from Africa. *extraLapis English No. 2: Emeralds of the World*, Lapis International LLC, East Hampton, CT, pp. 52–59.
- Karampelas S., Gaillou E., Fritsch E., Douman M. (2007) Les grenates andradites-démantoïdes d'Iran: Zonage de couleur et inclusions. *Revue de Gemmologie a.f.g.*, No. 160, pp. 14–20.
- Karfunkel J., Quéméneur J., Krambrock K., Pinheiro M., Dias G.O., Wegner R. (2002) Edelsteine aus dem Gebiet nördlich von Araçuai (Minas Gerais, Brasilien): Vorkommen, Eigenschaften, und Behandlungsmethoden. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 51, No. 4, pp. 171–184.
- Keller P., Roda-Robles E., Pesquera-Pérez A., Fontan F. (1999) Chemistry, paragenesis and significance of tourmaline in pegmatites of the Southern Tin Belt, central Namibia. *Chemical Geology*, Vol. 158, No. 3/4, pp. 203–225.
- Kerr P. (2006) Thunder Bay amethyst. *Rock & Gem*, Vol. 36, No. 7, pp. 40–44.
- Khanchuk A., Zalishchak B., Pakhomova Z., Odarichenko E., Tishkina V., Ras F.F. (2002) Genesis and gemology of sapphires from the Nezametnoye deposit (Primorye Region, Russia). *Journal of the Gemmological Association of Hong Kong*, Vol. 23, pp. 31–34.
- Kiefert L. (2002) Cultured pearls from the Gulf of California, Mexico. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 51, No. 2/3, pp. 121–132.
- (2007) Gem News International: Unusual danburite pair. *Gems & Gemology*, Vol. 43, No. 2, pp. 167–168.
- Kiefert L., McLaurin-Moreno D., Enrique A., Hänni H.A., Elen S. (2004) Cultured pearls from the Gulf of California, Mexico. *Gems & Gemology*, Vol. 40, No. 1, pp. 26–38.
- Kiefert L., Krzemnicki M.S., Du Toit G., Befi R., Schmetzer K. (2006) Gemological Research Conference: Sapphires from New Zealand. *Gems & Gemology*, Vol. 42, No. 3, pp. 113–114.
- Kim W.S. (2007) Nephrite from Korea and China. *Canadian Gemmologist*, Vol. 28, No. 4, pp. 119–128.

- Kim W.S., Kim E.H. (2006) Gemmological and mineralogical characteristics of tektites from Zhangjiang, Guangdong Province, China. *Canadian Gemmologist*, Vol. 27, No. 3, pp. 82–88.
- Kimberley Process (2010) Annual global summary: 2009 production, imports, exports and KPC counts.  
<https://kimberleyprocessstatistics.org/static/pdfs/AnnualTables/2009GlobalSummary.pdf>, Jul. 8.
- Kinnaird J.A. (2001) Rich gemstone potentials discovered in Somaliland. *Jewellery News Asia*, No. 197 (January), pp. 58, 60, 62–63.
- (2002) A note on the chocolate-brown opal associated with volcanic rocks in Somaliland. *Journal of Gemmology*, Vol. 28, No. 2, pp. 81–84.
- Kjarsgaard B.A., Levinson A.A. (2002) Diamonds in Canada. *Gems & Gemology*, Vol. 38, No. 3, pp. 208–238.
- Klein-BenDavid O., Israeli E.S., Hauri E., Navon O. (2007) Fluid inclusions in diamonds from the Diavik area, Canada and the evolution of diamond-forming fluids. *Geochimica et Cosmochimica Acta*, Vol. 71, No. 3, pp. 723–744.
- Kondo D.M. (2008) Gem News International: Colorless forsterite from Tajikistan. *Gems & Gemology*, Vol. 44, No. 3, pp. 265–266.
- Kondo D., Beaton D. (2009) Hackmanite/sodalite from Myanmar and Afghanistan. *Gems & Gemology*, Vol. 45, No. 1, pp. 38–43.
- Konstantinovskii A.A. (2003) Epochs of diamond placer formation in the Precambrian and Phanerozoic. *Lithology and Mineral Resources*, Vol. 38, No. 6, pp. 530–546.
- Korchevskaya Y. (2006) Russian demantoid. *Rock & Gem*, Vol. 36, No. 3, pp. 12–15.
- Kosmowska-Ceranowicz B. (2004) Quaternary amber-bearing deposits on the Polish Coast. *Zeitschrift für Angewandte Geologie, Sonderheft*, No. 2, pp. 73–84.
- (2009) Baltic amber deposits. *InColor*, No. 12 (Fall-Winter), pp. 22–25.
- Kouřimský J., Hyršl J. (2008) The fiery-eyed volcanoes of Bohemia. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 56–59.
- Kozlov Y.S. (2005) *Alexandrite*. Nauka Publishers, Moscow, pp. 18–43.
- Kraemer M.M.S. (2007) Systematic, palaeoecology, and palaeobiogeography of the insect fauna from Mexican amber. *Palaeontographica, Abteilung A.*, Vol. 282, No. 1/6, pp. 1–133.

- Krzemnicki M.S. (2004) Red and green labradorite feldspar from Congo. *Journal of Gemmology*, Vol. 29, No. 1, pp. 15–23.
- Krzemnicki M.S., Groenenboom P. (2008) Gem News International: Colorless forsterite from Mogok, Myanmar. *Gems & Gemology*, Vol. 44, No. 3, pp. 263–265.
- Krzemnicki M.S., Hänni H.A., Reusser E. (2001) Colour-change garnets from Madagascar: Comparison of colorimetric and chemical data. *Journal of Gemmology*, Vol. 27, No. 7, pp. 395–408.
- Kupriyanova I.I. (2002) On the genesis of the Malyshevsk beryllium–emerald deposit (Middle Urals, Russia). *Geology of Ore Deposits*, Vol. 44, No. 4, pp. 276–290.
- Kurszlaukis S., Barnett W.P. (2003) Volcanological and structural aspects of the Venetia kimberlite cluster—A case study of South African kimberlite maar-diatreme volcanoes. *South African Journal of Geology*, Vol. 106, No. 2/3, pp. 165–192.
- Kurszlaukis S., Mahotkin I., Rotman A.Y., Kolesnikov G.V., Makovchuk I.V. (2009) Syn- and post-eruptive volcanic processes in the Yubileinaya kimberlite pipe, Yakutia, Russia, and implications for the emplacement of South Africa-style kimberlite pipes. *Lithos*, Vol. 112, Supp. 1, pp. 579–591.
- Kyi H., Thu K. (2003) Pink gem-quality orthoclase from the Mogok Stone Tract, Myanmar. *Australian Gemmologist*, Vol. 22, No. 1, pp. 32–34.
- Kyi H., Win K.K. (2004) A new deposit of gem-quality colour-change diaspore from Möng Hsu, Myanmar. *Australian Gemmologist*, Vol. 22, No. 4, pp. 169–170.
- Kyi H., Themelis T., Thu K. (2005) The pegmatite gem deposits of Molo (Momeik) and Sakhan-Gyi (Mogok). *Australian Gemmologist*, Vol. 22, No. 7, pp. 303–309.
- Laiginhas F. (2008) Diamonds from the Ural Mountains: Their characteristics and the mineralogy and geochemistry of their inclusions. PhD. Thesis, University of Glasgow, Glasgow, Scotland.
- Lapot W. (2004) Peculiar nephrite from the East Sayan Mts (Siberia). *Mineralogia Polonica*, Vol. 35, No 1, pp. 49–58.
- Laurs B.M., Ed. (2000) Gem News: Update on some Madagascar gem localities. *Gems & Gemology*, Vol. 36, No. 2, pp. 165–167.
- (2001a) Gem News International: Emeralds from Laghman, Afghanistan. *Gems & Gemology*, Vol. 37, No. 1, p. 68.

- (2001b) Gem News International: New production of Indonesian opal. *Gems & Gemology*, Vol. 37, No. 1, pp. 70–71.
- (2001c) Gem News International: Blue-to-green tourmaline from Nigeria. *Gems & Gemology*, Vol. 37, No. 3, p. 239.
- (2001d) Gem News International: Colored tourmaline from Northern Pakistan. *Gems & Gemology*, Vol. 37, No. 1, p. 72.
- (2001e) Gem News International: Kunzite from Nigeria. *Gems & Gemology*, Vol. 37, No. 1, p. 70.
- (2001f) Gem News International: Recent gem discoveries in Pala, California. *Gems & Gemology*, Vol. 37, No. 3, pp. 228–231.
- (2001g) Gem News International: Update on amethyst, citrine and ametrine from the Anahí mine, Bolivia. *Gems & Gemology*, Vol. 37, No. 4, pp. 334–335.
- (2001h) Gem News International: “Copal” resin from Madagascar. *Gems & Gemology*, Vol. 37, No. 4, pp. 335–336.
- (2001i) Gem News International: A new find of tourmaline in Warner Springs, California. *Gems & Gemology*, Vol. 37, No. 4, pp. 338–339.
- (2001j) Gem News International: Green kyanite from Bahia, Brazil. *Gems & Gemology*, Vol. 37, No. 4, pp. 337–338.
- (2002a) Gem News International: Update on some Namibian gem localities. *Gems & Gemology*, Vol. 38, No. 3, pp. 266–268.
- (2002b) Gem News International: Aquamarine and spessartine from Tanzania. *Gems & Gemology*, Vol. 38, No. 3, p. 259.
- (2002c) Gem News International: Ruby from northern Kenya. *Gems & Gemology*, Vol. 38, No. 1, p. 98.
- (2002d) Gem News International: New sapphire locality in Afghanistan. *Gems & Gemology*, Vol. 38, No. 2, p. 181.
- (2002e) Gem News International: Update on Namibian demantoid garnet. *Gems & Gemology*, Vol. 38, No. 2, p. 178.
- (2002f) Gem News International: Demantoid garnet from Iran. *Gems & Gemology*, Vol. 38, No. 1, p. 96.

- (2002g) Gem News International: Amethyst from Afghanistan. *Gems & Gemology*, Vol. 38, No. 1, pp. 92–93.
- (2002h) Gem News International: Benitoite recovery and cutting—significant progress. *Gems & Gemology*, Vol. 38, No. 2, pp. 174–175.
- (2002i) Gem News International: Sunstone feldspar from Tanzania. *Gems & Gemology*, Vol. 38, No. 2, p. 177.
- (2002j) Gem News International: More tourmaline from Warner Springs, California. *Gems & Gemology*, Vol. 38, No. 4, pp. 355–356.
- (2003a) Gem News International: Update on sapphires, pezzottaite, and other gems from Madagascar. *Gems & Gemology*, Vol. 39, No. 3, pp. 229–230.
- (2003b) Gem News International: A new find of demantoid at a historic site in Kladovka, Russia. *Gems & Gemology*, Vol. 39, No. 1, pp. 54–55.
- (2004a) Gem News International: Yellow cat's-eye beryl from Brazil. *Gems & Gemology*, Vol. 40, No. 1, pp. 66–67.
- (2004b) Gem News International: Update on tourmaline and other minerals from Warner Springs, California. *Gems & Gemology*, Vol. 40, No. 2, pp. 173–175.
- (2004c) Gem News International: Update on several gem localities in Zambia and Malawi. *Gems & Gemology*, Vol. 40, No. 4, pp. 347–350.
- (2005a) Gem News International: Amethyst and citrine from northwestern Namibia. *Gems & Gemology*, Vol. 41, No. 1, pp. 54–55.
- (2005b) Gem News International: Amethyst from Georgia. *Gems & Gemology*, Vol. 41, No. 1, pp. 53–54.
- (2005c) Gem News International: Iolite from northeastern Brazil. *Gems & Gemology*, Vol. 41, No. 1, p. 59
- (2005d) Gem News International: Gem plagioclase reportedly from Tibet. *Gems & Gemology*, Vol. 41, No. 4, pp. 356–347.
- (2006) Gem News International: New spinel from Mahenge, Tanzania. *Gems & Gemology*, Vol. 42, No. 1, p. 69.
- (2007a) Gem News International: Play-of-color opal from Piauí, Brazil. *Gems & Gemology*, Vol. 43, No. 1, pp. 59–60.

- (2007b) Gem News International: New sources of marble-hosted rubies in South Asia. *Gems & Gemology*, Vol. 43, No. 3, pp. 263–265.
- (2008) Gem News International: Update on the John Saul ruby mine, Kenya. *Gems & Gemology*, Vol. 44, No. 3, pp. 267–269.
- (2009a) Gem News International: ‘Lilac’-colored Cu-tourmaline from Nigeria. *Gems & Gemology*, Vol. 45, No. 3, pp. 228–229.
- (2009b) Gem News International: Benitoite—Update on faceting and jewelry manufacturing. *Gems & Gemology*, Vol. 45, No. 4, pp. 296–297.
- (2009c) Gem News International: New find of pink-to-red tourmaline in Nigeria. *Gems & Gemology*, Vol. 45, No. 4, p. 305.
- (2009d) Gem News International: Phenakite from Nigeria. *Gems & Gemology*, Vol. 45, No. 4, pp. 301–302.
- (2010a) Gem News International: Update on ametrine from the Yuruty mine. *Gems & Gemology*, Vol. 46, No. 1, pp. 58–59.
- (2010b) Gem News International: Cat’s-eye rhodonite. *Gems & Gemology*, Vol. 46, No. 1, p. 64.
- Laurs B.M., Freeman G. (2005) Gem News International: Update on tourmaline from Mt. Mica, Maine. *Gems & Gemology*, Vol. 41, No. 4, pp. 357–360.
- Laurs B.M., Knox K. (2001) Spessartine garnet from Ramona, San Diego County, California. *Gems & Gemology*, Vol. 37, No. 4, pp. 278–295.
- Laurs B.M., Koivula J.I. (2003) Gem News International: Amethyst from Nigeria. *Gems & Gemology*, Vol. 39, No. 3, pp. 227–228.
- Laurs B.M., Pardieu V. (2008) Gem News International: Ruby and sapphire mining at Winza, Tanzania. *Gems & Gemology*, Vol. 44, No. 2, pp. 178–179.
- Laurs B.M., Quinn E.P. (2002a) Gem News International: New morganite mine in Madagascar. *Gems & Gemology*, Vol. 38, No. 3, pp. 265–266.
- (2002b) Gem News International: Pink/yellow spodumene from Afghanistan. *Gems & Gemology*, Vol. 38, No. 3, p. 270.
- (2003) Gem News International: Fire opal from Juniper Ridge, Oregon. *Gems & Gemology*, Vol. 39, No. 1, pp. 55–56.

- (2004) Gem News International: Hessonite from Afghanistan. *Gems & Gemology*, Vol. 40, No. 3, pp. 258–259.
- (2005) Gem News International: Kyanite widely available. *Gems & Gemology*, Vol. 41, No. 1, pp. 59–60.
- (2006a) Gem News International: Pyrope-spessartine from Tanzania. *Gems & Gemology*, Vol. 42, No. 1, pp. 66–67.
- (2006b) Gem News International: Sphene from Pakistan. *Gems & Gemology*, Vol. 42, No. 1, pp. 68–69.
- Laurs B.M., Shigley J.E. (2000) Gem News: Paraíba tourmaline update. *Gems & Gemology*, Vol. 36, No. 3, pp. 269–271.
- (2005) Gem News International: Spinel from southern China. *Gems & Gemology*, Vol. 41, No. 4, p. 357.
- Laurs B.M., Zwaan J.C. (2007) Gem News International: Field study of Cu-bearing tourmaline mines in Mozambique. *Gems & Gemology*, Vol. 43, No. 4, pp. 383–384.
- Laurs B.M., Simmons W., Falster A. (2002a) Gem News International: More on cuprian elbaite tourmaline from Nigeria. *Gems & Gemology*, Vol. 38, No. 1, pp. 99–100.
- (2002b) Gem News International: Faceted rossmanite and other tourmalines from Nigeria. *Gems & Gemology*, Vol. 38, No. 4, pp. 356–357.
- Laurs B.M., Quinn E.P., Muhlmeister S., Boehm E. (2003) Gem News International: New hiddenite discovery in historic North Carolina location. *Gems & Gemology*, Vol. 39, No. 3, pp. 228–229.
- (2004) Gem News International: Gem tourmaline from Congo. *Gems & Gemology*, Vol. 40, No. 3, pp. 263–265.
- Laurs B.M., Rossman G.R., Shigley J.E. (2005) Gem News International: Green orthoclase feldspar from Vietnam. *Gems & Gemology*, Vol. 41, No. 4, pp. 354–355.
- Laurs B.M., Rockwell K., Breeding C.M. (2006a) Gem News International: Labradorite from Chihuahua, Mexico. *Gems & Gemology*, Vol. 42, No. 4, pp. 274–275.
- Laurs B.M., Zoysa E.G., Quinn E.P. (2006b) Gem News International: Aquamarine from a new primary deposit in Sri Lanka. *Gems & Gemology*, Vol. 42, No. 1, pp. 63–64.
- Laurs B.M., Simmons W.B., Rossman G.R., Fritz E.A., Koivula J.I., Anckar B., Falster A.U. (2007) Yellow Mn-rich tourmaline from the Canary mining area, Zambia. *Gems & Gemology*, Vol. 43, No. 4, pp. 314–331.

- Laurs B.M., Zwaan J.C., Breeding C.M., Simmons W.B., Beaton D., Rijsdijk K.F., Befi R., Falster A.U. (2008a) Copper-bearing (Paraíba-type) tourmaline from Mozambique. *Gems & Gemology*, Vol. 44, No. 1, pp. 4–30.
- Laurs B.M., Zwaan J.C., Simmons W.B., Falster A.U. (2008b) Tourmaline from Muva, Mozambique. *Gems & Gemology*, Vol. 44, No. 3, pp. 273–275.
- Laurs B.M., Simmons W., Falster A., Anckar B. (2009) Genesis of yellow manganese-rich elbaite from the Canary mining area, Lundazi, Zambia. *Applied Geochemistry*, Vol. 24, No. 6, pp. 1113–1124.
- Le Goff E., Deschamps Y., Guerrot C. (2010) Tectonic implications of new single zircon Pb-Pb evaporation data in the Lossogonoi and Longido ruby-districts, Mozambican metamorphic belt of north-eastern Tanzania. *Comptes Rendus Geoscience*, Vol. 342, No. 1, pp. 36–45.
- LeCheminant A.N., Groat L.A., Dipple G.M., Mortensen J.K., Gertzbein P., Rohtert W.E., Quinn E.P. (2004) Gem News International: Sapphires from Baffin Island, Canada. *Gems & Gemology*, Vol. 40, No. 4, pp. 344–345.
- Lees B.K. (2009a) Gem News International: Gem-quality rhodochrosite from China. *Gems & Gemology*, Vol. 45, No. 1, pp. 60–61.
- (2009b) Gem News International: Emeralds recovered using new techniques at the Kagem mine, Zambia. *Gems & Gemology*, Vol. 45, No. 4, pp. 298–299.
- Leost I., Stachel T., Brey G.P., Harris J.W., Ryabchikov I.D. (2003) Diamond formation and source carbonation: Mineral associations in diamonds from Namibia. *Contributions to Mineralogy and Petrology*, Vol. 145, No. 1, pp. 15–24.
- Leuenberger A. (2001) Gem News International: The new ruby deposits in eastern Madagascar: Mining and production. *Gems & Gemology*, Vol. 37, No. 2, pp. 147–149.
- Leverett P., Williams P.A., Hibbs D.E. (2008) Ca-Mg-Fe-rich rhodonite from the Morro da Mina Mine, Conselheiro Lafaiete, Minas Gerais, Brazil. *Mineralogical Record*, Vol. 39, No. 2, pp. 125–130.
- Levinson A.A. (2001) Gem News International: Amber (“Burmite”) from Myanmar: Production resumes. *Gems & Gemology*, Vol. 37, No. 2, pp. 142–143.
- Levinson A.A., Kane R.E., Gray M.E. (2001a) Gem News International: Update on Piteiras emeralds, Minas Gerais, Brazil. *Gems & Gemology*, Vol. 37, No. 4, pp. 328–329.
- (2001b) Gem News International: Update on jadeite mining in Myanmar. *Gems & Gemology*, Vol. 37, No. 4, p. 329.

- (2001c) Gem News International: Transparent green orthoclase feldspar from Vietnam. *Gems & Gemology*, Vol. 37, No. 4, pp. 329–330.
- (2001d) Gem News International: Tsavorite from Tanzania and elsewhere. *Gems & Gemology*, Vol. 37, No. 4, p. 331.
- Li B.J. (2009) Colored stone deposits in China. *InColor*, No. 10 (Spring), pp. 20–23.
- Li J.J. (2005) The identification of impregnated nephrite. *Australian Gemmologist*, Vol. 22, No. 7, pp. 310–317.
- Liccardo A., Figueiredo-Oliveira E., Jordt-Evangelista H. (2005) Rubi and safiras de Minas Gerais, Brasil. *Revista Escola de Minas*, Vol. 58, No. 3, pp. 237–245.
- Lieber W. (1999) Türkise im Südwesten der USA. *extraLapis No. 16: Türkise—Der Edelstein mit der Farbe des Himmels*, Christian Weise Verlag, Munich, Germany, pp. 22–51.
- Limtrakun P., Zaw K., Ryan C.G., Mernagh T.P. (2001) Formation of the Denchai gem sapphires, northern Thailand: Evidence from mineral chemistry and fluid/melt inclusion characteristics. *Mineralogical Magazine*, Vol. 65, No. 6, pp. 725–735.
- Lind T., Henn U. (2000) A new find of spessartine garnets in Nigeria. *Journal of Gemmology*, Vol. 27, No. 3, pp. 129–132.
- Liu G. (1999) Türkis-Vorkommen in China. *extraLapis No. 16: Türkise—Der Edelstein mit der Farbe des Himmels*, Christian Weise Verlag, Munich, Germany, pp. 60–67.
- (2005) China: An emerging source of world-class beryl. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 64–75.
- Lo Giudice A., Re A., Calusi S., Giuntini L., Massi M., Olivero P., Pratesi G., Albonico M., Conz E. (2009) Multitechnique characterization of lapis lazuli for provenance study. *Analytical and Bioanalytical Chemistry*, Vol. 395, No. 7, pp. 2211–2217.
- Lombok Golden Pearls Indonesia (2010) Pearls farm information Lombok island Indonesia, [www.goldenpearls.biz/pearls-farm.htm](http://www.goldenpearls.biz/pearls-farm.htm) [date accessed: October 15, 2010].
- Long N. (2007) *Diamond Industry Annual Review—Democratic Republic of Congo*. Partnership Africa Canada, Ottawa, 12 pp.
- Lowell J., Koivula J.I. (2004) Amethyst from Four Peaks, Arizona. *Gems & Gemology*, Vol. 40, No. 3, pp. 230–238.
- Luguet A., Jaques A.L., Pearson D.G., Smith C.B., Bulanova G.P., Roffey, S.L., Rayner M.J., Lorand J.P. (2009) An integrated petrological, geochemical and Re-Os isotope study of

peridotite xenoliths from the Argyle lamproite, Western Australia and implications for cratonic diamond occurrences. *Lithos*, Vol. 112, Supp. 2, pp. 1096–1108.

Lyckberg P. (2004a) Gem News International: Recent gem beryl production in Finland. *Gems & Gemology*, Vol. 40, No. 3, pp. 256–258.

——— (2004b) Ein neufund phantastischer grüner Edelberyll aus Luumäki, Karelien, Finnland. *Mineralien-Welt*, Vol. 15, No. 6, pp. 38–45.

——— (2005a) Gem beryl from Russia and Ukraine. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 49–57.

——— (2005b) Finland's famous find. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, p. 63.

Lyckberg P., Chornousenko V., Wilson W.E. (2009) Famous mineral localities: Volodarsk-Volynski, Zhitomir Oblast, Ukraine. *Mineralogical Record*, Vol. 40, No. 6, pp. 473–506.

Maconachie R., Binns T. (2007) Beyond the resource curse? Diamond mining, development and post-conflict reconstruction in Sierra Leone. *Resources Policy*, Vol. 32, No. 3, pp. 104–115.

Macri M. (2009) Le “smeraldo rosso”: Bixbite, la gemma più rara esistente al mondo. *Rivista Gemmologica Italiana*, Vol. 4, No. 2, pp. 105–113.

Macri M., Mara A., Moretti P.F., Serracino M. (2006) Gem News International: “Sunset” quartz—A new gem material from Brazil. *Gems & Gemology*, Vol. 42, No. 4, pp. 277–279.

Makepeace K., Simandl G.J. (2004) Jade (nephrite) in British Columbia, Canada. In G.J. Simandl, W.J. McMillan, N.D. Robinson, Eds., *Proceedings of the 37<sup>th</sup> Forum on the Geology of Industrial Minerals*, Victoria, May 23–25, 2001, British Columbia Ministry of Energy and Mines—Geological Survey Branch, Paper 2004-2, pp. 287–288.

Malisa E.P. (2003) Petrology and lithogeochemistry of the mineralized tanzanite-grossular bearing rocks in the Merelani-Lelatema area, northeastern Tanzania. *Tanzanian Journal of Science*, Vol. 29, No. 2, pp. 55–70.

Marroni M., Pandolfi L., Principi G., Malasoma A., Meneghini F. (2009) Deformation history of the eclogite- and jadeitite-bearing mélange from North Mortagua Fault Zone, Guatemala: Insights in the processes of a fossil subduction channel. *Geological Journal*, Vol. 44, No. 1, pp. 167–190.

Marshall D., Groat L., Giuliani G., Murphy D., Mattey D., Ercit T.S., Wise M.A., Wengzynowski W., Eaton D.W. (2003) Pressure, temperature and fluid conditions during

emerald precipitation, southeastern Yukon, Canada: Fluid inclusion and stable isotope evidence. *Chemical Geology*, Vol. 194, No. 1/3, pp. 187–199.

Marshall D.D., Groat L.A., Falck H., Giuliani G., Neufeld H. (2004) The Lened emerald prospect, Northwest Territories, Canada: Insights from fluid inclusions and stable isotopes, with implications for Northern Cordilleran emerald. *Canadian Mineralogist*, Vol. 42, No. 5, pp. 1523–1539.

Marshall D., Xu G., Loughrey L., Ullrich T. (2009) Nan Jiang River beryl-pegmatite, Yunnan Province, China: Fluid inclusion, Ar-Ar, and  $^{18}\text{O}$  studies. *Estudios Geológicos*, Vol. 19, No. 2, pp. 207–211.

Marshall T.R., Norton G.A. (2009) The nature of the alluvial diamond deposits of the Ventersdorp District, Northwest Province, South Africa. *South African Journal of Geology*, Vol. 112, No. 2, pp. 109–124.

Mauthner M. (2008) Gem News International: Large gem pocket discovered at the Oceanview mine, San Diego County, California. *Gems & Gemology*, Vol. 44, No. 1, p. 82.

Mayerson W.M., Laurs B.M. (2004) Gem News International: Large tsavorite and green grossular from Tanzania. *Gems & Gemology*, Vol. 40, No. 1, pp. 72–73.

Mayerson W.M., Elen S., Owens P. (2003) Gem News International: Cat's-eye scapolite from Tanzania. *Gems & Gemology*, Vol. 39, No. 2, pp. 158–159.

Mazzero F. (2003) A la découverte des gisements d'opale du Shewa, relation de voyage en Ethiopie. *Revue de Gemmologie a.f.g.*, No. 148, pp. 27–30.

Mazzero F., Gauthier J.P., Rondeau B., Fritsch E., Bekele E. (2009) Nouveau gisement d'opales d'Ethiopie dans la Province du Welo: Premières informations. *Revue de Gemmologie a.f.g.*, No. 167, pp. 4–5.

McCall G.J.H. (2006) The history of tektites. In G.J.H. McCall, A.J. Bowden, and R.J. Howarth, Eds., *The History of Meteoritics and Key Meteorite Collections—Fireballs, Falls and Finds*, Geological Society of London, Special Publication, Vol. 256, pp. 471–493.

McClure S.F., Koivula J.I. (2009) Gem News International: Preliminary observations on new rubies from Mozambique. *Gems & Gemology*, Vol. 45, No. 3, pp. 224–225.

McClure S.F., Smith C.P. (2001) Gem News International: Ruby and sapphire mining at Barrington Tops, Australia. *Gems & Gemology*, Vol. 37, No. 3, pp. 236–237.

McClure S.F., Shigley J.E., Laurs B.M. (2005a) New sapphires from Tamil Nadu, India. *Gems & Gemology*, Vol. 41, No. 3, pp. 268–269.

- McClure S.F., Rossman G.R., Shigley J.E., Laurs B.M. (2005b) Tenebrescent scapolite from Afghanistan. *Gems & Gemology*, Vol. 41, No. 3, pp.269–271.
- McKenna N., Gurney J.J., Klump J., Davidson J.M. (2004) Aspects of diamond mineralization and distribution at the Helam mine, South Africa. *Lithos*, Vol. 77, No. 1/4, pp. 193–208.
- McLean J. (2010) Guaymas, Sonora pearl farm. *What's Up San Carlos?* [www.whatsupsancarlos.com/what-to-do/attractions/guaymas-sonora-pearl-farm/](http://www.whatsupsancarlos.com/what-to-do/attractions/guaymas-sonora-pearl-farm/) [date accessed: September 10, 2010].
- Megaw P.K., Barton M.D. (1999) The geology and minerals of Cerro de Mercado, Durango, Mexico. *Rocks & Minerals*, Vol. 74, No. 1, pp. 20–28.
- Meier S., Weiss S. (2007) Zirkone aus dem Reichsforst im Fichtelgebirge: Auf Edelstein-suche in bayerischen Bächen. *Lapis*, Vol. 32, No. 12, pp. 20–34.
- Meister C. (1999) Die aktuelle Situation im Iran. *extraLapis No. 16: Türkise—Der Edelstein mit der Farbe des Himmels*, Christian Weise Verlag, Munich, Germany, pp. 73–75.
- Menezes L.A. (2005) Brazilian beryl. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 84–96.
- (2009) Famous mineral localities: The Sapo mine, Ferruginha District, Conselheiro Pena, Minas Gerais, Brazil. *Mineralogical Record*, Vol. 40, No. 4, pp 273–292.
- Menzies A., Westerlund K., Grüter H., Gurney J., Carlson J., Fung A., Nowicki T. (2004) Peridotitic mantle xenoliths from kimberlites on the Ekati diamond mine property, N.W.T., Canada: Major element compositions and implications for the lithosphere beneath the central Slave craton. *Lithos*, Vol. 77, No. 1/4, pp. 395–412.
- Mercier A., Debat P., Saul J.M. (1999) Exotic origin of the ruby deposits of the Mangari area in SE Kenya. *Ore Geology Reviews*, Vol. 14, No. 2, pp. 83–104.
- Michelou J.C. (2001) Les nouvelles mines de la Pita (Colombie). *Revue de Gemmologie a.f.g.*, No. 143, pp. 9–13.
- (2005) Nouvelles de Bogota. *Revue de Gemmologie a.f.g.*, No. 154, pp. 4–7.
- (2006) The ICA 2006 world colored gemstone mining report. *InColor*, Spring, 58 pp.
- (2007) Le Nigeria: Source de pierres de couleur. *Revue de Gemmologie a.f.g.*, No. 159, pp. 30–41.
- (2008–2009) New tourmaline deposit found in Nigeria. *InColor*, Fall-Winter, pp. 21, 24.

- Michelou J.C., Pardieu V. (2009) A glimpse of the new fine emerald deposit at Xinjiang's Davdar mine. *InColor*, No. 10 (Spring), pp. 26–31.
- Mikhailov B.M. (2000) Nickel ores in the Urals. *Lithology and Mineral Resources*, Vol. 35, No. 4, pp. 351–364.
- Mikimoto reports ‘astounding’ akoya harvest (2009) *National Jeweler*, [www.janewyork.com/jany/jany-summer/article\\_detail?id=18911](http://www.janewyork.com/jany/jany-summer/article_detail?id=18911).
- Milisenda C.C. (2005) “Paraiba-turmaline” aus Quintos de Baixo, Rio Grande do Norte, Brasilien. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 54, No. 2/3, pp. 73–84.
- (2007) Gemmologie Aktuell: New emerald deposit in Brazil. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 56, No. 3/4, p. 79.
- Milisenda C.C., Bank H. (2005) Aquamarine aus neuen Vorkommen in Brasilien. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 54, No. 1, pp. 47–51.
- Milisenda C.C., Henn U. (2001) Kupferhaltige Turmaline aus Nigeria. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 50, No. 4, pp. 217–223.
- (2006) Gemmologische Kurzinformationen: Gelb-grüne, facettierte Sillimanite aus Orissa (Indien). *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 55, No. 1/2, pp. 59–61.
- Milisenda C.C., Hunziker J. (1999) Demantoid aus Eritrea. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 48, No. 1, pp. 37–42.
- Milisenda C.C., Wild M. (2004) Gemmologische Kurzinformationen: Hydrophanopal aus Indonesien. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 53, No. 4, pp. 169–172.
- Milisenda C.C., Malango V., Taupitz K.C. (1999) Edelsteine aus Sambia—Teil 1: Smaragd. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 48, No. 1, pp. 9–28.
- (2000) Edelsteine aus Sambia—Teil 2: Turmalin und Aquamarin. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 49, No. 1, pp. 31–48.
- Milisenda C.C., Henn U., Henn J. (2001a) Demantoide aus Pakistan. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 50, No. 1, pp. 51–56.
- (2001b) New gemstone occurrences in the south-west of Madagascar. *Journal of Gemmology*, Vol. 27, No. 7, pp. 385–394.

Milisenda C.C., Malango V., Taupitz K.C. (2001c) Edelsteine aus Sambia—Teil 3: Amethyst. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 50, No. 3, pp. 137–152.

Milisenda C.C., Horikawa Y., Emori K., Miranda R., Bank F.H., Henn U. (2006) Neues Vorkommen kupferführender Turmaline in Mosambik. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 55, No. 1/2, pp. 5–24.

Milisenda C.C., Lind T., Henn U. (2010) Spessartin: Von Sammlerstein zum Topseller. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 59, No. 1/2, pp. 3–18.

Miller A.M. (2002) Jadeite of Guatemala—Rediscovery. *Canadian Gemmologist*, Vol. 23, No. 23, pp. 92–100.

Miller R.M. (2001) Review of the Namibian mining industry since independence. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 152, No. 2/4, pp. 479–502.

Milsteed P.W. (2006) Faceted transparent rhodonite from Broken Hill, New South Wales, Australia. *Gems & Gemology*, Vol. 42, No. 2, pp. 151–158.

Milsteed P.W., Mernagh T.P., Otieno-Alego V., Creagh D.C. (2005) Inclusions in transparent gem rhodonite from Broken Hill, New South Wales, Australia. *Gems & Gemology*, Vol. 41, No. 3, pp. 246–254.

Mitchell A.H.G., Htay M.T., Htun K.M., Win M.N., Oo T., Hlaing T. (2007) Rock relationships in the Mogok metamorphic belt, Tatkon to Mandalay, central Myanmar. *Journal of Asian Earth Sciences*, Vol. 29, No. 5/6, pp. 891–910.

Mocquet B., Lulzac Y., Rondeau B., Fritsch E., Le Quere J., Mohamady B., Crenn G., Lamiraud C., Scalie S. (2009) Ambanja, premier gisement d'andradite démantöide gemme à Madagascar. *Revue de Gemmologie a.f.g.*, No. 169, pp. 6–10.

Modaleck W., Seifert G., Weiss S., Lehmann U., Kreher S., Thalheim K. (2009) Edle Zirkon aus dem Sächsischen Vogtland. *Lapis*, Vol. 34, No. 2, pp. 13–26.

Moine B., Peng C.C., Mercier A. (2004) Rôle du fluor dans la formation des gisements d'émeraude de Mananjary (Est de Madagascar). *Comptes Rendus Geoscience*, Vol. 336, No. 6, pp. 513–522.

Moore J.M., Moore A.E. (2004) The roles of primary kimberlite and secondary Dwyka glacial sources in the development of alluvial and marine diamond deposits in southern Africa. *Journal of African Earth Sciences*, Vol. 38, No. 2, pp. 115–134.

Morgan G.B., London D. (1999) Crystallization of the Little Three layered pegmatite-aplite dike, Ramona District, California. *Contributions to Mineralogy and Petrology*, Vol. 136, No. 4, pp. 310–330.

Morishita T., Arai S., Ishida Y. (2007) Trace element composition of jadeite (+ omphacite) in jadeites from the Itoigawa-Ohmi district, Japan: Implications for fluid processes in subduction zones. *Island Arc*, Vol. 16, No. 1, pp. 40–56.

Moroz I., Vapnik Y., Eliezri I., Roth M. (2001) Mineral and fluid inclusion study of emeralds from the Lake Manyara and Sumbawanga deposits, Tanzania. *Journal of African Earth Sciences*, Vol. 33, No. 2, pp. 377–390.

Morteani G., Voropaev A. (2007) The pink topaz-bearing calcite, quartz, white mica veins from Ghundao Hill (North West Frontier Province, Pakistan): K/Ar age, stable isotope and REE data. *Mineralogy and Petrology*, Vol. 89, No. 1/2, pp. 31–44.

Morteani G., Bello R.M.S., Gandini A.L., Preinfalk C. (2002) P, T, X conditions of crystallization of Imperial topaz from Ouro Preto (Minas Gerais, Brazil): Fluid inclusions, oxygen isotope thermometry, and phase relations. *Schweizerische Mineralogische und Petrographische Mitteilungen*, Vol. 82, No. 1, pp. 455–456.

Morteani G., Kostitsyn Y., Preinfalk C., Gilg H.A. (2009) The genesis of amethyst geodes at Artigas (Uruguay) and the paleohydrology of the Guarani aquifer: Structural, geochemical, oxygen, carbon, strontium isotope and fluid inclusion study. *International Journal of Earth Science*, DOI 10.1007/s00531-009-0439-z.

Mossman D.J. (2001) A peek at some pegmatites and coloured gemstone deposits in Minas Gerais, Brazil. *Canadian Gemmologist*, Vol. 22, No. 1, pp. 12–24.

——— (2002) Gemstones of Namibian granitic pegmatites. *Canadian Gemmologist*, Vol. 23, No. 4, pp. 121–127.

Mossman D.J., Juchen P.L. (2000) Agate and amethyst of Rio Grande do Sul, Parana Basin, Brazil. *Canadian Gemmologist*, Vol. 21, No. 4, p. 118–126.

Müller A. (2009) A brief analysis of the global seawater cultured pearl industry (past, present, future) as presented at the European Gemmological Symposium in Berne, Switzerland on June 5th, 2009. *Pearl World*, Vol. 18, No. 4, pp. 3–10.  
[www.hinatatrading.com/EGShandout.pdf](http://www.hinatatrading.com/EGShandout.pdf) [date accessed: May 10, 2010].

Mutagwaba W., Seegers J., Mwaipopo R. (2007) Mining for a greater future at Mwadui. *African Mining*, January-February, pp. 48–52.

Mutlu H., Sariiz K., Kadir S. (2005) Geochemistry and origin of the Saphane alunite deposit, western Anatolia, Turkey. *Ore Geology Reviews*, Vol. 26, No. 1/2, pp. 39–50.

- Mychaluk K.A. (2001) Gem News International: Update on the Vortex sapphire mine, Yogo Gulch, Montana. *Gems & Gemology*, Vol. 37, No. 2, pp. 150–151.
- (2008) Gem News International: Emerald-bearing gem pockets from North Carolina. *Gems & Gemology*, Vol. 44, No. 1, pp. 75–76.
- Nagle K.G. (2007) Gem News International: Blue-green opal from Iran. *Gems & Gemology*, Vol. 43, No. 3, pp. 257–258.
- Naidoo P., Stiefenhofer J., Field M., Dobbe R. (2004) Recent advances in the geology of the Koffiefontein mine, Free State Province, South Africa. *Lithos*, Vol. 77, No. 1/4, pp. 161–182.
- Namdeb (2010) Production overview. [www.namdeb.com/about\\_prod\\_overview.php](http://www.namdeb.com/about_prod_overview.php) [date accessed: April 8, 2010 ]
- Natkaniec-Nowak L., Dumańska-Słowik M., Ertl A. (2009) “Watermelon” tourmaline from the Paprok mine (Nuristan, Afghanistan). *Neues Jahrbuch für Mineralogie Abhandlungen*, Vol. 186, No. 2, pp. 185–193.
- Naumov V.B., Kamenetsky V.S., Thomas R., Kononkova N.N., Ryzhenko B.N. (2008) Inclusions of silicate and sulfate melts in chrome diopside from the Inagli deposit, Yakutia, Russia. *Geochemistry International*, Vol. 46, No. 6, pp. 554–564.
- Nechaev V.P., Nechaeva E.V., Chashchin A.A., Vysotskiy S.V., Graham I.T., Sutherland F.L. (2009) New isotopic data on late Cenozoic age and mantle origin of gem zircon and corundum from placers of Primorye, Russia. *Doklady Earth Sciences*, Vol. 429A, No. 9, pp. 1426–1429.
- Neves J.M.C. (2009) Metallogenetic considerations concerning the pegmatite provinces of Alto-Ligonha (Mozambique), Eastern Brazilian (Minas Gerais), and the Borborema pegmatite province (Northeastern Brazil). *Estudios Geológicos*, Vol. 19, No. 2, pp. 256–260.
- Nguyen K.N., Nguy N.T., Nguyen M.-T.T., Phan Q.V. (2007) Characteristics of corundums from Phuoc Hiep occurrence (Quang Nam Province). *Vietnam National University Journal of Science, Earth Sciences*, Vol. 23, pp. 152–158.
- Nichol D. (2000) Two contrasting nephrite jade types. *Journal of Gemmology*, Vol. 27, No. 4, pp. 193–200.
- (2001) Nephrite jade from Jordanów Ślaski, Poland. *Journal of Gemmology*, Vol. 27, No. 8, pp. 461–470.
- (2003) Nephrite jade from Sestri Levante, Italy. *Journal of Gemmology*, Vol. 28, No. 8, pp. 463–471.

- (2004) Nephrite jade in Finland. *Journal of Gemmology*, Vol. 29, No. 2, pp. 105–108.
- Nichol D., Giess H. (2005a) Nephrite jade from Mastabia in Val Malenco, Italy. *Journal of Gemmology*, Vol. 29, No. 5/6, pp. 305–311.
- (2005b) Nephrite jade from Scortaseo, Switzerland. *Journal of Gemmology*, Vol. 29, No. 7/8, pp. 467–472.
- (2005c) Note on nephrite jade from Val Faller, Switzerland. *Journal of Gemmology*, Vol. 29, No. 5/6, pp. 299–304.
- North Australia Diamonds (2010) Merlin diamond project. [www.nadl.com.au/merlin](http://www.nadl.com.au/merlin) [date accessed Oct. 7, 2010].
- Notari F., Boillat P.Y., Grobon C. (2000) L’euclase bleu-verte de Colombie. *Revue de Gemmologie a.f.g.*, No. 140, pp. 18–20.
- Novák J. (2001) Minerals of spinel group from pyrope-bearing gravels of the České Středohoří Mountains, Czech Republic. *Journal of the Czech Geological Society*, Vol. 46, No. 1/2, pp. 45–52.
- Nowicki T., Crawford B., Dyck D., Carlson J., McElroy R., Oshust P., Helmstaedt H. (2004) The geology of the kimberlite pipes of the Ekati property, Northwest Territories, Canada. *Lithos*, Vol. 76, No. 1/4, pp. 1–27.
- Nucleated pearls (2008) [www.pearls.com/bb/viewtopic.php?f=11&t=58](http://www.pearls.com/bb/viewtopic.php?f=11&t=58) [date accessed: June 2, 2010].
- Oberhänsli R., Bousquet R., Moinzadeh H., Moazzen M., Arvin M. (2007) The field of stability of blue jadeite: A new occurrence of jadeitite at Sorkhan, Iran, as a case study. *Canadian Mineralogist*, Vol. 45, No. 6, pp. 1501–1509.
- Obodda H. (2003) Einmal Karakorum, immer Karakorum. *extraLapis No. 24: Edle Steine vom Dach der Welt*, Christian Weise Verlag, Munich, Germany, pp. 4–11.
- Okay A.I. (2002) Jadeite-chloritoid-glaucophane-lawsonite blueschists in north-west Turkey: Unusually high P/T ratios in continental crust. *Journal of Metamorphic Geology*, Vol. 20, No. 8, pp. 757–768.
- O’Neill C.J., Moresi L., Jaques A.L. (2005) Geodynamic controls on diamond deposits: Implications for Australia occurrences. *Tectonophysics*, Vol. 404, No. 3/4, pp. 217–236.
- Ontiveros M., Wilson W.E., Megaw P.K.M. (2004) Famous mineral localities: The Guerrero amethyst deposits, Mexico. *Mineralogical Record*, Vol. 35, No. 6, pp. 29–37.

- Ostrooumov M., Camacho J.R. (2007) Gem News International: First discovery of amazonite in Mexico. *Gems & Gemology*, Vol. 43, No. 2, pp. 163–164.
- Ottens B. (2004) Spessartin aus Fujian. *extraLapis No. 26/27: China—Das Aktuelle Mineralien-Paradies*, Christian Weise Verlag, Munich, Germany, pp. 101–103.
- Ou Yang C.M. (2001a) Gem News International: “Hte Long Sein” jadeite. *Gems & Gemology*, Vol. 37, No. 1, pp. 69–70.
- (2001b) The Long Sein—A new variety of chrome jadeite jade. *Journal of Gemmology*, Vol. 27, No. 6, pp. 321–327.
- (2005) Gemstone resources of China. *Australian Gemmologist*, Vol. 22, No. 8, pp. 349–359.
- Pakhomova V.A., Zalishchak B.L., Odarichenko E.G., Lapina M.I., Karmanov N.S. (2006) Study of melt inclusions in the Nezametnoye corundum deposit, Primorsky region of the Russian Far East: Petrogenetic consequences. *Journal of Geochemical Exploration*, Vol. 89, No. 1/3, pp. 302–305.
- Palazhchenko O.V. (2008) Integrated investigations of diamonds from deposits of the Arkhangelsk diamondiferous province: Generalization and genetic and applied consequences. *Moscow University Geology Bulletin*, Vol. 63, No. 2, pp. 119–127.
- Palfi A. (2005) Spessartin- und Dioptase-Mineralisationen im Kaokoland, Namibia. *Mineralien-Welt*, Vol. 16, No. 4, pp. 49–61.
- Panjikar J., Ramchandran K.T. (2005) Evolution of the Indian diamond industry. *Indian Gemmologist*, Vol. 13, No. 1/2, pp. 27–38.
- Pardieu V. (2007a) Tanzania, October 2007—A gemological safari, Part 1.  
[www.fieldgemology.org/gemology%20tanzania%20ruby%20sapphire%20spinel%20tsavrite%20alexandrite%20emerald%20tunduru%20songea%20morogoro%20merelani.php](http://www.fieldgemology.org/gemology%20tanzania%20ruby%20sapphire%20spinel%20tsavrite%20alexandrite%20emerald%20tunduru%20songea%20morogoro%20merelani.php) [date accessed September 10, 2010].
- (2007b) Tanzania, October 2007—A gemological safari, Part 2.  
[www.fieldgemology.org/gemology%20tanzania%20tsavorite%20alexandrite%20emerald%20tourmaline%20merelani%20lendanai%20lemshuko%20manyara.php](http://www.fieldgemology.org/gemology%20tanzania%20tsavorite%20alexandrite%20emerald%20tourmaline%20merelani%20lendanai%20lemshuko%20manyara.php) [date accessed September 10, 2010].
- (2008) Kenya—A gem safari.  
[www.fieldgemology.org/gemology%20kenya%20ruby%20tsavorite%20tsavo%20baringo%20taita%20mengare%20kurenze%20kasigau.php](http://www.fieldgemology.org/gemology%20kenya%20ruby%20tsavorite%20tsavo%20baringo%20taita%20mengare%20kurenze%20kasigau.php) [date accessed September 10, 2010].
- (2009) Concise field report, Volume 1: Pailin, Cambodia (December 2008–February 2009). [www.gia.edu/research-resources/news-from-research/Field-Report\\_Pailin.pdf](http://www.gia.edu/research-resources/news-from-research/Field-Report_Pailin.pdf).

- Pardieu V., Hughes R.W. (2008) Spinel—Resurrection of a classic. *InColor*, Summer, pp. 10–18.
- (2009) Tsavorite—The untamed beauty. *InColor*, No. 12 (Fall-Winter), pp. 12–20.
- Pardieu V., Senoble J.B. (2005a) An update on Ruby and Sapphire mining in South East Asia and East Africa, Summer 2005—Vietnam, [www.fieldgemology.org/gemology%20vietnam%202005.php](http://www.fieldgemology.org/gemology%20vietnam%202005.php) [date accessed September 9, 2010].
- (2005b) An update on Ruby and Sapphire mining in South East Asia and East Africa, Summer 2005—Sri Lanka, [www.fieldgemology.org/gemology%20sri%20lanka%20ceylon%202005.php](http://www.fieldgemology.org/gemology%20sri%20lanka%20ceylon%202005.php) [date accessed September 9, 2010].
- (2005c) An update on Ruby and Sapphire mining in South East Asia and East Africa, Summer 2005—Madagascar, [www.fieldgemology.org/gemology%20madagascar%202005.php](http://www.fieldgemology.org/gemology%20madagascar%202005.php) [date accessed September 9, 2010].
- (2005d) An update on Ruby and Sapphire mining in South East Asia and East Africa, Summer 2005—Kenya, [www.fieldgemology.org/gemology%20kenya%202005.php](http://www.fieldgemology.org/gemology%20kenya%202005.php) [date accessed September 9, 2010].
- (2005e) An update on Ruby and Sapphire mining in South East Asia and East Africa, Summer 2005—Tanzania, [www.fieldgemology.org/gemology%20tanzania%202005.php](http://www.fieldgemology.org/gemology%20tanzania%202005.php) [date accessed September 9, 2010].
- Pardieu V., Soubiraa G. (2006a) From Kashmir to Pamir, Summer 2006: Gemological expedition report to ruby, emerald and spinel mining areas in Central Asia; Part 2: Afghanistan: Land of beautiful gems and unique people, [www.fieldgemology.org/gemology%20afghanistan%20ruby%20jagdalek%20emerald%20panjshir.php](http://www.fieldgemology.org/gemology%20afghanistan%20ruby%20jagdalek%20emerald%20panjshir.php) [date accessed September 10, 2010].
- (2006b) From Kashmir to Pamir, Summer 2006: Gemological expedition report to ruby, emerald and spinel mining areas in Central Asia; Part 1: Pakistan—A field trip to the Central Asian capital of the gemstone trade, [www.fieldgemology.org/gemology%20pakistan%20ruby%20emerald%20kashmir%20swat.php](http://www.fieldgemology.org/gemology%20pakistan%20ruby%20emerald%20kashmir%20swat.php) [date accessed September 10, 2010].
- Pardieu V., Hughes R.W., Soubiraa G., Rogers M., Chitty W., Chitty M., Brunot P. (2009a) Working the blue seam: The tanzanite mines of Merelani. *Australian Gemmologist*, Vol. 23, No. 11, pp. 482–494.

Pardieu V., Jacquat S., Bryl L.P., Senoble J.B. (2009b) Rubies from northern Mozambique. *InColor*, Fall-Winter, pp. 32–36.

Pardieu V., Lomthong P., Senoble J.B. (2009c) Gem News International: Update on rubies from northern Mozambique. *Gems & Gemology*, Vol. 45, No. 4, pp. 302–303.

Pardieu V., Jacquat S., Bryl L.P., Senoble J.B. (2009d) Gem News International: Update on Cu-tourmaline mining in Mozambique. *Gems & Gemology*, Vol. 45, No. 4, pp. 304–305.

Pardieu V., Jacquat S., Senoble J.B., Bryl L.P., Hughes R.W., Smith M. (2009e) Expedition report to the ruby mining sites in Northern Mozambique (Niassa and Cabo Delgado provinces), [www.gia.edu/research-resources/news-from-research/fieldtrip-to-mozambique-rubies.pdf](http://www.gia.edu/research-resources/news-from-research/fieldtrip-to-mozambique-rubies.pdf) [date accessed: September 8, 2010].

Pardieu V., Thirangoon K., Lomthong P., Saeseaw S., Thanachakaphad J., Du Toit G. (2009f) Sapphires Reportedly from Batakundi/Basil area: A preliminary examination and a comparison with rubies and pink sapphires from other deposits in Central Asia, [www.gia.edu/research-resources/news-from-research/batakundi\\_sapphire.pdf](http://www.gia.edu/research-resources/news-from-research/batakundi_sapphire.pdf) [date accessed September 8, 2010].

Pardieu V., Jacquat S., Bryl L.P. (2010) Gem News International: Tsavorite mining at Namalulu, northern Tanzania. *Gems & Gemology*, Vol. 46, No. 1, p. 67.

Pawasarat C. (2007) Biwa on the edge. *Colored Stone*, Vol. 20, No. 3, pp. 26, 28–30.

Payette F. (2004) Diamonds in Russia—A literature review. *Australian Gemmologist*, Vol. 22, No. 3, pp. 101–113.

Pearl farm information Lombok Island Indonesia (2009) [www.goldenpearls.biz/pearls-farm.htm](http://www.goldenpearls.biz/pearls-farm.htm) [date accessed: February 5, 2010].

Pêcher A., Giuliani G., Kausar A.B., Malik R.M., Muntaz H.R. (2001) Geology of Nanga-Parbat Himalaya in the Nangimali ruby deposit area (Azad Kashmir, Pakistan). *Journal of Asian Earth Sciences*, Vol. 19, No. 3, Supplement 1, p. 50.

Pêcher A., Giuliani G., Garnier V., Maluski H., Kausar A.B., Malik R.M., Muntaz H.R. (2002) Geology, geochemistry and Ar-Ar geochronology of the Nangimali ruby deposit, Nanga-Parbat Himalaya (Azad Kashmir, Pakistan). *Journal of Asian Earth Sciences*, Vol. 21, No. 3, pp. 265–282.

Pecover S.R. (2007) Australian opal resources—Outback spectral fire. *Rocks & Minerals*, Vol. 82, No. 2, pp. 103–115.

Peñalver E., Delclòs X., Soriano C. (2007) A new rich amber outcrop with palaeobiological inclusions in the Lower Cretaceous of Spain. *Cretaceous Research*, Vol. 28, No. 5, pp. 791–802.

- Peretyazhko I.S., Zagorsky V.Y., Smirnov S.Z., Mikhailov M.Y. (2004) Conditions of pocket formation in the Oktyabrskaya tourmaline-rich gem pegmatite (the Malkhan Field, central Transbaikalia, Russia). *Chemical Geology*, Vol. 210, No. 1/4, pp. 91–111.
- Petersen K.J.Jr., Schultz-Güttler R.A., Da Silveira-Bello R.M. (2002) Alexandrita do Pela Ema, Minaçu/GO: Inclusões fluidas e condições genéticas. *Revista Brasileira de Geociências*, Vol. 32, No. 3, pp. 307–316.
- Petrov A. (2009) The Cerro Sapo sodalite deposit: A pre-Columbian gem mine. *extraLapis English No. 12: Bolivia—The Height of Mineral Collecting*. Lithographie LLC, Denver, CO, pp. 80–84.
- Pezzotta F. (2001a) Itrongay: Unique orthoclase. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, pp. 30–31.
- (2001b) The big pegmatite districts. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, pp. 40–65.
- (2001c) The best rose quartz in the world. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, p. 51.
- (2001d) Titanite and the pocket of February 1998. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, pp. 78–79.
- (2001e) Amethyst and other quartz from low-temperature hydrothermal veins. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, pp. 80–81.
- (2001f) From the Paleozoic and Mesozoic: Gemstones from ancient times. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, pp. 86–87.
- (2001g) Precious corundum from “paleo-placers”—Quick riches from the gravel. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, pp. 90–91.
- (2001h) Ilakaka—or the dream of the find of a lifetime. *extraLapis English No. 1: Madagascar—A Mineral and Gemstone Paradise*, Lapis International LLC, East Hampton, CT, pp. 92–93.
- (2006) Gemological Research Conference: New gem localities in Madagascar. *Gems & Gemology*, Vol. 42, No. 3, p. 116.

- (2010) Andradite from Antetezambato, north Madagascar. *Mineralogical Record*, Vol. 41, No. 3, pp. 209–229.
- Pezzotta F., Jobin M. (2004) Der Pegmatit von Anjahamiry bei Fort Dauphin, Madagaskar. *Lapis*, Vol. 29, No. 2, pp. 24–28.
- Pham LV., Giuliani G., Garnier V., Ohnenstetter D. (2004a) Gemstones in Vietnam. *Australian Gemmologist*, Vol. 22, No. 4, pp. 162–168.
- Pham L.V., Hoàng V.Q., Garnier V., Giuliani G., Ohnenstetter D., Lhomme T., Schwarz D., Fallick A., Dubessy J., Phan TT.. (2004b) Gem corundum deposits in Vietnam. *Journal of Gemmology*, Vol. 29, No. 3, pp. 129–147.
- Pham LV., Hoàng V.Q., Garnier V., Giuliani G., Ohnenstetter D. (2004c) Marble-hosted ruby from Vietnam. *Canadian Gemmologist*, Vol. 25, No. 3, pp. 83–95.
- Pham L.V., Hoàng V.Q., Nguyen N.X. (2004d) Inclusions in Vietnamese Quy Chau ruby and their origin. *Australian Gemmologist*, Vol. 22, No. 2, pp. 67–71.
- Phillips D., Harris J.W. (2009) Diamond provenance studies from  $^{40}\text{Ar}/^{39}\text{Ar}$  dating of clinopyroxene inclusions: An example from the west coast of Namibia. *Lithos*, Vol. 112, Supp. 2, pp. 793–805.
- Pinto C.P., Pedrosa-Soares A.C. (2001) Brazilian gem provinces. *Australian Gemmologist*, Vol. 21, No. 1, pp. 12–16.
- Pivin M., Féménias O., Demaiffe D. (2009) Metasomatic mantle origin for Mbuji-Mayi and Kundelungu garnet and clinopyroxene megacrysts (Democratic Republic of Congo). *Lithos*, Vol. 112, Supp. 2, pp. 951–960.
- du Plessis L., Sewawa M. (2005) Jewel in Botswana's diamond crown. *Mining Engineering*, Vol. 193, No. 4, pp. 10–14.
- Poinar G., Lambert J.B., Wu Y. (2007) Araucarian source of fossiliferous Burmese amber: Spectroscopic and anatomical evidence. *Journal of the Botanical Research Institute of Texas*, Vol. 1, No. 1, pp. 449–455.
- Pokhilenko N.P., Sobolev N.V., Reutsky V.N., Hall A.E., Taylor L.A. (2004) Crystalline inclusions and C isotope ratios in diamonds from Snap Lake/King Lake kimberlite dike system: Evidence of ultradeep and enriched lithospheric mantle. *Lithos*, Vol. 77, No. 1/4, pp. 57–67.
- Posukhova T.V., Kolume F.N. (2009) Diamonds from placers in western and central Africa: A problem of primary sources. *Moscow University Geology Bulletin*, Vol. 64, No. 3, pp. 177–186.

- Potucek T.L. (2005) Best of the Rockies. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 62–63.
- Praszkier T. (2010) The Sahatany Valley pegmatites. *Mineralogical Record*, Vol. 41, No. 3, pp. 258–259.
- Praszkier T., Gajowniczek A. (2010) Visiting Antetezambato, north Madagascar. *Mineralogical Record*, Vol. 41, No. 3, pp. 231–234.
- Preinfalk C., Kostitsyn Y., Morteani G. (2002) The pegmatites of the Nova Era–Itabira–Ferros pegmatite district, and the emerald mineralization of Capoeirana and Belmont (Minas Gerais, Brazil): Geochemistry and Rb-Sr dating. *Journal of South American Earth Sciences*, Vol. 14, No. 8, pp. 867–887.
- Promprated P., Taylor L.A., Neal C.R. (2003) Petrochemistry of mafic granulite xenoliths from the Chantaburi basaltic field: Implications for the nature of the lower crust beneath Thailand. *International Geology Review*, Vol. 45, No. 5, pp. 383–406.
- Proust D., Fontaine C. (2007a) Amethyst-bearing lava flows in the Paraná Basin (Rio Grande do Sul, Brazil): Cooling, vesiculation, and formation of the geodic cavities. *Geological Magazine*, Vol. 144, No. 1, pp. 53–65.
- \_\_\_\_\_. (2007b) Amethyst geodes in the basaltic flow from Triz quarry at Ametista de Sul (Rio Grande do Sul, Brazil): Magmatic source of silica for the amethyst crystallization. *Geological Magazine*, Vol. 144, No. 4, pp. 731–739.
- Qiu Z.L., Wu F.Y., Yang S.F., Zhu M., Sun J.F., Yang P. (2008) Age and genesis of the Myanmar jadeite: Constraints from U-Pb ages and Hf isotopes of zircon inclusions. *Chinese Science Bulletin*, Vol. 54, No. 4, pp. 658–668.
- Quinn E.P., Laurs B.M. (2003) Gem News International: Peruvian blue opal. *Gems & Gemology*, Vol. 39, No. 4, p. 332.
- \_\_\_\_\_. (2004a) Gem News International: Sapphires from Afghanistan and Pakistan. *Gems & Gemology*, Vol. 40, No. 4, pp. 343–344.
- \_\_\_\_\_. (2004b) Gem News International: Spessartine and almandine-spessartine from Afghanistan. *Gems & Gemology*, Vol. 40, No. 3, pp. 261–263.
- \_\_\_\_\_. (2004c) Gem News International: Rhodonite of facet and cabochon quality from Brazil. *Gems & Gemology*, Vol. 40, No. 3, pp. 260–261.
- \_\_\_\_\_. (2004d) Gem News International: Pink to orange-pink sapphire from Tanzania. *Gems & Gemology*, Vol. 40, No. 1, pp. 71–72.

- (2005a) Gem News International: Pyrope-almandine from Ethiopia. *Gems & Gemology*, Vol. 41, No. 2, p. 177.
- (2005b) Gem News International: Demantoid from northern Pakistan. *Gems & Gemology*, Vol. 41, No. 2, pp. 176–177.
- (2005c) Gem News International: Faceted orange and brown sunstone from India. *Gems & Gemology*, Vol. 41, No. 2, p. 178.
- (2006a) Gem News International: Sphene from Afghanistan. *Gems & Gemology*, Vol. 42, No. 2, pp. 180–182.
- (2006b) Gem News International: Uvite-dravite tourmaline from Morogoro, Tanzania. *Gems & Gemology*, Vol. 42, No. 2, pp. 182–183.
- (2006c) Gem News International: Moonstone from Madagascar. *Gems & Gemology*, Vol. 42, No. 4, p. 276.

Quinn E.P., Muhlmeister S., Laurs B.M. (2005) Gem News International: Albitic “moonstone” from the Morogoro region, Tanzania. *Gems & Gemology*, Vol. 41, No. 1, pp. 60–61.

Quinn-Darenius E. (2008) Gem News International: Orange beryl from India. *Gems & Gemology*, Vol. 44, No. 2, p. 167.

Quinn-Darenius E., Laurs B.M. (2008) Gem News International: Almandine-spessartine from Lindi, Tanzania. *Gems & Gemology*, Vol. 44, No. 2, pp. 165–166.

Rakotondrazafy A.F.M., Giuliani G., Ohnenstetter D., Fallick A.E., Rakotosamizanany S., Andriamamonjy A., Ralantoarison T., Razanatseheno M., Offant Y., Garnier V., Maluski H., Dunaigne C., Schwarz D., Ratrimo V. (2008) Gem corundum deposits of Madagascar: A review. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 134–154.

Rakotosamizanany S., Giuliani G., Ohnenstetter D., Rakotondrazafy A.F.M., Fallick A.E. (2009) Les gisements de saphirs et rubis associés aux basaltes alcalins de Madagascar: Caractéristiques géologiques et minéralogiques—1<sup>ère</sup> Partie: Caractéristiques géologiques et gisements; 2<sup>ème</sup>: Caractéristiques minéralogiques. *Revue de Gemmologie a.f.g.*, No. 169, pp. 13–21 and No. 170, pp. 9–18.

Ralantoarison T., Andriamamonjy A., Offant Y., Giuliani G., Rakotondrazafy A.F.M., Ohnenstetter D., Schwarz D., Dunaigne C., Fallick A., Razanatseheno M., Rakotosamizanany S., Moine B., Baillot P. (2006) Les saphirs multicolores de Sahambano et Zazafotsy, région granulitique d’Ihosy, Madagascar. *Revue de Gemmologie a.f.g.*, No. 158, pp. 4–13.

- Ramdohr R., Milisenda C.C. (2004) Neue Vorkommen von Saphir-Seifenlagerstätten auf Nosy-Bé, Madagaskar. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 53, No. 4, pp. 143–158.
- (2006) A new find of sapphire placer deposits on Nosy-Bé, Madagascar. *Journal of Gemmology*, Vol. 30, No. 3/4, pp. 144–154.
- Rankin A.H. (2002) Natural and heat-treated corundum from Chimwadzulu Hill, Malawi: Genetic significance of zircon clusters and diaspore-bearing inclusions. *Journal of Gemmology*, Vol. 28, No. 2, pp. 65–75.
- Rapaport Trade Wire (2010) *Rapaport Trade Wire*, [www.diamonds.net/news/NewsItem.aspx?ArticleID=30160](http://www.diamonds.net/news/NewsItem.aspx?ArticleID=30160), March 12.
- Read G.H., Janse A.J.A. (2009) Diamonds: Exploration, mines and marketing. *Lithos*, Vol. 112, Supp. 1, pp. 1–9.
- Ream L.R. (2000) Star garnet: Emerald Creek, Idaho. *Lapidary Journal*, Vol. 54, No. 7, p. 90.
- Renfro N., Laurs B.M. (2010) Gem News International: Andradite from China. *Gems & Gemology*, Vol. 46, No. 1, p. 59.
- Reznitskii L.Z., Kotov A.B., Salnikova E.B., Vasilev E.P., Yakovleva S.Z., Kovach V.P., Fedoseenko A.M. (2000) The age and time span of the origin of phlogopite and lazurite deposits in the southwestern Baikal area: U-Pb geochronology. *Petrology*, Vol. 8, No. 1, pp. 66–76.
- Richardson S.H., Shirey S.B., Harris J.W. (2004) Episodic diamond genesis at Jwaneng, Botswana, and implication for Kaapvaal Craton evolution. *Lithos*, Vol. 77, No. 1/4, pp. 143–154.
- Richardson S.H., Pöml P.F., Shirey S.B., Harris J.W. (2009) Age and origin of peridotitic diamonds from Venetia, Limpopo Belt, Kaapvaal-Zimbabwe craton. *Lithos*, Vol. 112, Supp. 2, pp. 785–792.
- Roberts D.L., Sutherland F.L., Hollis J.D., Kennewell P., Graham I.T. (2004) Gemstone characteristics, north-east Barrington Plateau, NSW. *Journal and Proceedings of the Royal Society of New South Wales*, Vol. 137, No. 3/4, pp. 99–122.
- Robles-Cruz S.E., Watangua M., Isidoro L., Melgarejo J.C., Gali S., Olimpio A. (2009) Contrasting compositions and textures of ilmenite in the Catoca kimberlite, Angola, and implications in exploration for diamond. *Lithos*, Vol. 112, Supp. 1, pp. 966–975.
- Rogers J., Li X.C. (2002) Environmental impact of diamond mining on continental shelf sediments off southern Namibia. *Quaternary International*, Vol. 92, No. 1, pp. 101–112.

- Rohtert W. (2002a) Gem News International: Black spinel from Mexico. *Gems & Gemology*, Vol. 38, No. 1, pp. 98–99.
- (2002b) Gem News International: Canadian emerald discovery in the Yukon. *Gems & Gemology*, Vol. 38, No. 1, pp. 93–94.
- Roland V., Brajkovic A., Adamo I., Landonio M. (2006) Diamonds from the Udachnaya Pipe, Yakutia: Their morphology, optical and Raman characterization, FTIR and CL features. *Australian Gemmologist*, Vol. 22, No. 9, pp. 387–397.
- Romero-Ordonez F.H., Rodriguez-Vargas A.I. (2002) Mineralogical characterization of corundum from Mercaderes, Cauca, Colombia (in Spanish). *Geologica Colombiana*, Vol. 27, pp. 121–147.
- Rondeau B., Delaunay A. (2007) Les tourmalines cuprifères de Nigeria et du Mozambique. *Revue de Gemmologie a.f.g.*, No. 160, pp. 8–13.
- Rondeau B., Fritsch E. (2009) Ambanja (Madagascar)—A new source of gem demantoid garnet. *InColor*, No. 11 (Summer), pp. 22–24.
- Rondeau B., Notari F., Giuliani G., Michelou J-C., Martins S., Fritsch E., Respinger A. (2003) La Mine de Piteiras, Minas Gerais: Nouvelle source d'émeraude de belle qualité au Brésil. *Revue de Gemmologie a.f.g.*, No. 148, pp. 9–25.
- Rondeau B., Fritsch E., Guiraud M., Renac C. (2004) Opals from Slovakia ('Hungarian' opals): A reassessment of the conditions of formation. *European Journal of Mineralogy*, Vol. 16, No. 5, pp. 789–799.
- Rondeau B., Mazzero F., Bekele E., Gauthier J.-P., Fritsch E. (2009a) Gem News International: New play-of-color opal from Welo, Ethiopia. *Gems & Gemology*, Vol. 45, No. 1, pp. 59–60.
- Rondeau B., Mocquet B., Lulzac Y., Fritsch E. (2009b) Les nouveaux grenats démantoides d'Ambanja, Province d'Antsiranana, Madagascar. *Le Règne Minéral*, No. 90, pp. 41–46.
- Roskin G. (2007) Pearls in paradise. *Jewelers' Circular-Keystone*, Vol. 178, No. 11, pp. 88–92.
- (2008) Lightning Ridge—Opal in high definition. *Jewelers' Circular-Keystone*, Vol. 179, No. 2, pp. 74–78.
- Rustemeyer P., Deyer T. (2003) Ungewöhnliche Turmaline vom Erongo, Namibia. *Lapis*, Vol. 28, No. 11, pp. 29–41.
- Sachanbiński M., Janeczek J., Platonov A., Rietmeijer F.J.M. (2001) The origin of colour of chrysoprase from Szklary (Poland) and Sarykul Boldy (Kazakhstan). *Neues Jahrbuch für Mineralogie, Abhandlungen*, Vol. 177, No. 1, pp. 61–76.

- Sachanbiński M., Weber-Weller A., Sobczak T. (2003) New data on emeralds from Panjshir Valley, Afghanistan. *Mineralogical Society of Poland—Special Papers*, Vol. 22, pp. 189–192.
- Sandoval M.C., Veiga M.M., Hinton J., Sandner S. (2006) Application of sustainable development concepts to an alluvial mineral extraction project in Lower Caroni River, Venezuela. *Journal of Cleaner Production*, Vol. 14, No. 3/4, pp. 415–426.
- Santosh M., Katori R., Yoshikura S., Higashi S., Salim A.K. (2002) Pink sapphire from southern Kerala, India: Implications on India-Madagascar correlation within Gondwana assembly. *Gondwana Research*, Vol. 5, No. 4, pp. 894–901.
- Sapalski-Roselló C. (2005) Topacio Imperial de la mina Capão, Mina Gerais, Brasil. *G+ Instituto Gemológico Español*, No. 40, pp. 33–39.
- Sarkar S.K., Guru A.I. (2010) A review of gemstone belts of eastern and southern India, and guidelines for the search of gemstone deposits. [www.giionline.com/event-10-article3.htm](http://www.giionline.com/event-10-article3.htm) [date accessed: May 10, 2010].
- Sauer D.A., Laurs B.M. (2006) Gem News International: Faceted blue euclase from Colombia. *Gems & Gemology*, Vol. 42, No. 2, p. 173.
- Scalie S., Philippe M., Sirakian D. (2007) La mine de Williamson. *Revue de Gemmologie a.f.g.*, No. 160, pp. 21–25.
- Schäfer P., Arlt T. (2000) Die Pegmatite von Alto Ligonha in Nord-Mozambique. *Lapis*, Vol. 25, No. 9, pp. 13–17, 54.
- Schappmann J. (2005) Die Gruben Morrua, Marropino und Maria III in der Pegmatitregion Alto Ligonha im Norden von Moçambique. *Mineralien-Welt*, Vol. 16, No. 2, pp. 34–46.
- Scheepers R., Scheepers C. (2003) Gem News International: Update on tanzanite mining by AFGEM. *Gems & Gemology*, Vol. 39, No. 4, pp. 337–338.
- Schmetzer K. (2000) Gem News: Spinel from Ilakaka, Madagascar. *Gems & Gemology*, Vol. 36, No. 2, pp. 169–170.
- (2002) Gem News International: Alexandrite from Mananjary, Madagascar. *Gems & Gemology*, Vol. 38, No. 4, p. 349.
- (2003) Gem News International: Crystals of color-change garnet from Bekily, Madagascar. *Gems & Gemology*, Vol. 39, No. 2, p. 156.
- Schmetzer K., Glas M. (2003) Multi-star quartzes from Sri Lanka. *Journal of Gemmology*, Vol. 28, No. 6, pp. 321–332.

- Schmetzer K., Karampelas S. (2009) Demantoid from a new source. *Gems & Jewellery*, Vol. 18, No. 4, pp. 10–12.
- Schmetzer K., Kiefert L., Bernhardt H.-J. (2000) Purple to purplish red chromium-bearing taaffeites. *Gems & Gemology*, Vol. 36, No. 1, pp. 50–59.
- Schmetzer K., Hainschwang T., Kiefert L., Bernhardt H.-J. (2001) Pink to pinkish orange Malaya garnets from Bekily, Madagascar. *Gems & Gemology*, Vol. 37, No. 4, pp. 296–308.
- Schmetzer K., Hainschwang T., Bernhardt H.-J. (2002a) Gem News International: Yellowish green and green chrysoberyl from Ilakaka, Madagascar. *Gems & Gemology*, Vol. 38, No. 3, p. 261.
- Schmetzer K., Hainschwang T., Bernhardt H.-J., Kiefert L. (2002b) New chromium- and vanadium-bearing garnets from Tranoroa, Madagascar. *Gems & Gemology*, Vol. 38, No. 2, pp. 148–155.
- Schmetzer K., Bernhardt H.-J., Kiefert L. (2002c) Star garnets and star garnet cat's-eyes from Ambatondrazaka, Madagascar. *Journal of Gemmology*, Vol. 28, No. 1, pp. 13–23.
- Schmetzer K., Kiefert L., Bernhardt H.-J., Burford M. (2005a) Gem-quality musgravite from Sri Lanka. *Journal of Gemmology*, Vol. 29, No. 5/6, pp. 281–289.
- Schmetzer K., Kiefert L., Bernhardt H.-J., Burford M., Gunasekara D.P. (2005b) Iron- and zinc-rich gem-quality taaffeites from Sri Lanka. *Journal of Gemmology*, Vol. 29, No. 5/6, pp. 290–298.
- Schmetzer K., Kiefert L., Bernhardt H.-J., Burford M. (2006) The variation in gemmological properties and chemical composition of gem-quality taaffeites and musgravites from Sri Lanka. *Australian Gemmologist*, Vol. 22, No. 11, pp. 485–492.
- Schmetzer K., Krzemnicki M.S., Hänni H.A., Bernhardt H.-J., Pettke T. (2007) Gem-quality taaffeites and musgravites from Africa. *Journal of Gemmology*, Vol. 30, No. 7/8, pp. 367–382.
- Schmetzer K., Radl W., Schwarz D. (2010) Rubies and sapphires from Winza, Tanzania: Summary of characteristic properties and short update of the mining situation. *Australian Gemmologist*, Vol. 24, No. 1, pp. 9–14.
- Schott S., Rager H., Schuermann K., Taran M.N. (2003) Spectroscopic study of natural gem-quality “Imperial” topaz from Ouro Preto, Brazil. *European Journal of Mineralogy*, Vol. 15, No. 4, pp. 701–706.

- Schroeder R.A. (2010) Tanzanite as a conflict gem: Certifying a secure commodity chain in Tanzania. *Geoforum*, Vol. 41, No. 1, pp. 56–65.
- Schulze D.J., Canil D., Channer D.M. DeR., Kaminsky F.V. (2006) Layered mantle structure beneath the western Guyana Shield, Venezuela: Evidence from diamonds and xenocrysts in Guaniamo kimberlites. *Geochimica et Cosmochimica Acta*, Vol. 70, No. 1, pp. 192–205.
- Schütz J. (2007) Opal from Mexico: Unsurpassed fire. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 64–69.
- Schwarz D., Giuliani G. (2001) Emerald deposits—A review. *Australian Gemmologist*, Vol. 21, No. 1, pp. 17–23.
- (2002a) South America: Colombia. *extraLapis English No. 2: Emeralds of the World*, Lapis International LLC, East Hampton, CT, pp. 36–45.
- (2002b) South America: Brazil. *extraLapis English No. 2: Emeralds of the World*, Lapis International LLC, East Hampton, CT, pp. 46–51.
- (2002c) Emeralds from Asia. *extraLapis English No. 2: Emeralds of the World*, Lapis International LLC, East Hampton, CT, pp. 60–63.
- Schwarz D., Pardieu V. (2009) Emeralds from the Silk Road countries—A comparison with emeralds from Colombia. *InColor*, No. 12 (Fall-Winter), pp. 38–43.
- Schwarz D., Schmetzer K. (2001) Rubies from the Vatomandry area, eastern Madagascar. *Journal of Gemmology*, Vol. 27, No. 7, pp. 409–416.
- Schwarz D., Kanis J., Schmetzer K. (2000) Sapphires from Antsiranana province, Northern Madagascar. *Gems & Gemology*, Vol. 36, No. 3, pp. 216–233.
- Schwarz D., Pardieu V., Saul J.M., Schmetzer K., Laurs B.M., Giuliani G., Klemm L., Malsy A.-K., Erel E., Hauzenberger C., Du Toit G., Fallick A.E., Ohnenstetter D. (2008) Rubies and sapphires from Winza, central Tanzania. *Gems & Gemology*, Vol. 44, No. 4, pp. 322–347.
- Scientists hail queen conch's cultured pearls (2009) [www.cpaa.org/PDF/queenconchstory.pdf](http://www.cpaa.org/PDF/queenconchstory.pdf), Nov. 9.
- Scovil J.A. (2010) Tourmaline for breakfast: A trip to Madagascar. *Mineralogical Record*, Vol. 41, No. 3, pp. 255–270.
- Searle M.P., Noble S.R., Cottle J.M., Waters D.J., Mitchell A.H.G., Hlaing T., Horstwood M.S.A. (2007) Tectonic evolution of the Mogok metamorphic belt, Burma (Myanmar)

constrained by U-Th-Pb dating of metamorphic and magmatic rocks. *Tectonics*, Vol. 26, Art. TC3014 (24 pp.).

- Segel J.B., Brown J.L., Laird W.C. (2007) La gemma del numero: “Oregon sunstone”—La pietra del sole dell’Oregon—Una rara varietà del feldspato divenuta gemma di stato. *Rivista Gemmologica Italiana*, Vol. 2, No. 3, pp. 207–216.
- Seifert A.V., Vrána S. (2003) Sangu garnet deposit, Eastern Province, Zambia. *Bulletin of Geosciences of the Czech Geological Society*, Vol. 78, No. 1, pp. 3–8.
- (2005) Bohemian garnet. *Bulletin of Geosciences of the Czech Geological Society*, Vol. 80, No. 2, pp. 113–124.
- Seifert A.V., Žáček V., Vrána S., Pecina V., Zachariáš J., Zwaan J.C. (2004) Emerald mineralization in the Kafubu area, Zambia. *Bulletin of Geosciences of the Czech Geological Society*, Vol. 79, No. 1, pp. 1–40.
- Seifert W., Rhede D., Tietz O. (2008) Typology, chemistry, and origin of zircon in alkali basalts of SE Saxony (Germany). *Neues Jahrbuch für Mineralogie Abhandlungen*, Vol. 184, No. 3, pp. 299–313.
- Shepherd J. (2008) Japanese pearl farm pictures. Pearl-Guide.com discussion thread, [www.pearl-guide.com/forum/showthread.php?t=3303](http://www.pearl-guide.com/forum/showthread.php?t=3303), Dec. 31.
- Shi G.H., Cui W.Y., Tropper P., Wang C.Q., Shu G.M., Yu H. (2003) The petrology of a complex sodic and sodic-calcic amphibole association and its implications for the metasomatic processes in the jadeitite area in northwestern Myanmar, formerly Burma. *Contributions to Mineralogy and Petrology*, Vol. 145, No. 3, pp. 355–376.
- Shi G.H., Stöckhert B., Cui W.Y. (2005) Kosmochlor and chromian jadeite aggregates from the Myanmar jadeitite area. *Mineralogical Magazine*, Vol. 69, No. 6, pp. 1059–1075.
- Shi G.H., Jiang N., Liu Y., Wang X., Zhang Z.Y., Xu Y.J. (2009a) Zircon Hf isotope signature of the depleted mantle in the Myanmar jadeitite: Implications for Mesozoic intra-oceanic subduction between the Eastern Indian Plate and the Burmese Platelet. *Lithos*, Vol. 112, No. 3/4, pp. 342–350.
- Shi G.H., Wang X., Chu B.B., Cui W.Y. (2009b) Jadeite jade from Myanmar: Its texture and gemmological implications. *Journal of Gemmology*, Vol. 31, No. 5/8, pp. 185–195.
- Shi G.H., Jiang N., Wang Y.W., Zhao X., Wang X., Li. G.W., Ng E., Cui W.Y. (2010) Ba minerals in clinopyroxene rocks from the Myanmar jadeitite area: Implications for Ba recycling in subduction zones. *European Journal of Mineralogy*, Vol. 22, No. 2, pp. 199–214.

- Shigley J.E., Dirlam D., Schmetzer K., Jobbins E.A. (1990) Gem localities of the 1980s. *Gems & Gemology*, Vol. 26, No. 1, pp. 4–31.
- Shigley J.E., Dirlam D., Laurs B.M., Boehm E.W., Bosshart G., Larson W.F. (2000) Gem localities of the 1990s. *Gems & Gemology*, Vol. 36, No. 4, pp. 292–335.
- Shigley J.E., Chapman J., Ellison R.K. (2001a) Discovery and mining of the Argyle diamond deposit, Australia. *Gems & Gemology*, Vol. 37, No. 1, pp. 26–41.
- Shigley J.E., Cook B.C., Laurs B.M., de Oliveira Bernardes M. (2001b) An update on “Paraíba” tourmaline from Brazil. *Gems & Gemology*, Vol. 37, No. 4, pp. 260–276.
- Shigley J.E., Thompson T.J., Keith J.D. (2003) Red beryl from Utah: A review and update. *Gems & Gemology*, Vol. 39, No. 4, pp. 302–313.
- Shigley J.E., Laurs B.M., Renfro N.D. (2009) Chrysoprase and prase opal from Haneti, central Tanzania. *Gems & Gemology*, Vol. 45, No. 4, pp. 271–279.
- Shor R. (2007) From single source to global free market: The transformation of the cultured pearl industry. *Gems & Gemology*, Vol. 43, No. 3, pp. 200–226.
- Shor R., Weldon R. (2009) Ruby and sapphire production and distribution: A quarter century of change. *Gems & Gemology*, Vol. 45, No. 4, pp. 236–259.
- Simandl G.J., Marshall D., Laird J. (2000) Gem-quality cordierite deposits, Slocan Valley, British Columbia. *British Columbia Geological Survey—Geological Fieldwork 1999*, Paper 2000-1, pp. 349–358.
- Simandl G.J., Paradis S., Nelson J.L. (2001) Jade and rhodonite deposits, British Columbia, Canada. In R.L. Bon, R.F. Riordan, B.T. Tripp, S.T. Krukowski, Eds., *Proceedings of the 35th Forum on the Geology of Industrial Minerals*, Salt Lake City, May 2–7, 1999, Utah State Geological Survey Miscellaneous Publications 2001, pp. 163–171.
- Simmons W.B., Webber K.L., Falster A.U., Nizamoff J.W. (2001) Gem tourmaline chemistry and paragenesis. *Australian Gemmologist*, Vol. 21, No. 1, pp. 24–29.
- Simmons W.B., Laurs B.M., Falster A.U., Koivula J.I., Webber K.L. (2005a) Mt. Mica: A renaissance in Maine's gem tourmaline production. *Gems & Gemology*, Vol. 41, No. 2, pp. 150–163.
- Simmons W.B., Freeman G., Falster A., Laurs B., Webber K. (2005b) New tourmaline production from Mount Mica, Maine: America's first gem pegmatite. *Rocks & Minerals*, Vol. 80, No. 6, pp. 396–408.
- Simon G. (2008) Pyrope from the Dora-Maira Massif. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, p. 55.

- Simonet C. (2000) Geology of the Yellow mine (Taita-Taveta District, Kenya) and other yellow tourmaline deposits of East Africa. *Journal of Gemmology*, Vol. 27, No. 1, pp. 11–29.
- (2006) Les tourmalines magnésiennes d’Afrique de l’Est. *Revue de Gemmologie a.f.g.*, No. 157, pp 4–7.
- Simonet C., Paquette J.L., Pin C., Lasnier B., Fritsch E. (2004) The Dusi (Garba Tula) sapphire deposit, Central Kenya—A unique Pan-African corundum-bearing monzonite. *Journal of African Earth Sciences*, Vol. 38, No. 4, pp. 401–410.
- Simoni M., Caucia F. (2009) Opali di fuoco del Madagascar. *Rivista Gemmologica Italiana*, Vol. 4, No. 2, pp. 91–104.
- Simons K.K., Harlow G.E., Brueckner H.K., Goldstein S.L., Sorensen S.S., Hemming N.G., Langmuir C.H. (2010) Lithium isotopes in Guatemalan and Franciscan HP-LT rocks: Insights into the role of sediment-derived fluids during subduction. *Geochimica et Cosmochimica Acta*, Vol. 74, No. 12, pp. 3621–3641.
- Sisson V.B. (2002) Re-discovery of Olmec blue jade. *Houston Geological Society Bulletin*, Vol. 45, No. 2, pp. 23–25.
- Siyambola W.O., Fasasi A.Y., Funtua I.I., Fasasi M.K., Tubosun I.A., Pelemo D.A., Adesiany T.A. (2005) Energy dispersive X-ray fluorescence analysis of samples of Nigerian zircons. *Nuclear Instruments and Methods in Physics Research B*, Vol. 239, No. 4, pp. 426–432.
- Skinner E.M.W., Apter D.B., Morelli C., Smithson N.K. (2004) Kimberlites of the Man Craton, West Africa. *Lithos*, Vol. 77, No. 1/4, pp. 233–259.
- Smirnov S.Z., Peretyazhko I.S., Zagorsky V.E., Mikhailov M.Y. (2003) Inclusions of unusual late magmatic melts in quartz from the Oktyabr’skaya pegmatite vein, Malkhan field (Central Transbaikalia Region). *Doklady Earth Sciences*, Vol. 392, No. 7, pp. 999–1003.
- Smith B., Smith C., Liu G.H., Ottens B. (2005) A guide to mineral localities in China. *Mineralogical Record*, Vol. 36, No. 1, pp. 87–104.
- Smith C.P., Bosshart G. (2001) Gem News International: Renewed mining for rubies in Nanyaseik, northern Myanmar. *Gems & Gemology*, Vol. 37, No. 3, pp. 237–238.
- Smith C.P., Bosshart G., Schwarz D. (2001) Gem News International: Nigeria is a new source of copper-manganese-bearing tourmaline. *Gems & Gemology*, Vol. 37, No. 3, pp. 239–240.
- Smith E.B. (2007) Black bonanza, dreams of fire: The glorious gems of Lightning Ridge. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 36–41.

- Smith M.H., Balmer W.A. (2009) Gem News International: Zircon mining in Cambodia. *Gems & Gemology*, Vol. 45, No. 2, pp. 152–153.
- Smuts W. (2005) Tanzanite—Not all bad being on the endangered list. *African Mining*, Vol. 10, No. 3, pp. 52–57.
- Soares D.R., Beurlen H., Barreto S. de B., Da Silva M.R.R., Ferreira A.C.M. (2008) Compositional variation of tourmaline-group minerals in the Borborema pegmatite province, northeastern Brazil. *Canadian Mineralogist*, Vol. 46, No. 5, pp. 1097–1116.
- Sobolev N.V., Logvinova A.M., Zedgenizov D.A., Seryotkin Y.V., Yefimova E.S., Floss C., Taylor L.A. (2004) Mineral inclusions in microdiamonds and macrodiamonds from kimberlites of Yakutia: A comparative study. *Lithos*, Vol. 77, No. 1/4, pp. 225–252.
- Sokolov S.V., Yarmishko S.A., Chistyakova N.I. (2006) Inclusions in chrysolite from the Kovdor Massif: Genetic and gemmological significance. *Geochemistry International*, Vol. 44, No. 6, pp. 581–590.
- Solyanik V.A., Pakhomova V.A. (2007) Natural mineral forms of gemstones from the Dalnegorsk deposit in Primorye in the Russian Far East. *Journal of the Gemmological Association of Hong Kong*, Vol. 28, pp. 87–90.
- Spaggiari R.I., Bluck B.J., Ward J.D. (2006) Characteristics of diamondiferous Plio-Pleistocene littoral deposits within the palaeo-Orange River mouth, Namibia. *Ore Geology Reviews*, Vol. 28, No. 4, pp. 475–492.
- Speer E. (2008) Emerald crystal pockets of the Hiddenite District, Alexander County, North Carolina (abstract). *Mineralogical Record*, Vol. 39, No. 1, p. 55.
- Stachel T., Brey G.P., Harris J.W. (2000) Kankan diamonds (Guinea) I. From the lithosphere down to the transition zone. *Contributions to Mineralogy and Petrology*, Vol. 140, No. 1, pp. 1–15.
- Stachel T., Harris J.W., Aulbach S., Deines P. (2002) Kankan diamonds (Guinea) III.  $\delta^{13}\text{C}$  and nitrogen characteristics of deep diamonds. *Contributions to Mineralogy and Petrology*, Vol. 142, No. 4, pp. 465–475.
- Staebler G. (2008) Classic garnets: Spessartine. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 60–65.
- Staebler G., Neumeier G. (2007) Ethiopia to Indonesia: A sampling of lesser-known opal localities. *extraLapis No. 10: Opal—The Phenomenal Gemstone*, Lapis International LLC, East Hampton, CT, pp. 76–80.

- Staebler G., Pohwat P. (2008) Classic garnets: Almandine. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 22–27.
- Steger G. (2006) Memoirs of a mineral collector—Part 2: Fifty-nine treasure hunts in Minas Gerais, 1969–2005. *Mineralogical Record*, Vol. 37, No. 3, pp. 207–222.
- Stellar Diamonds (2010a) Bomboko. [www.stellar-diamonds.com/temp/Bomboko.asp](http://www.stellar-diamonds.com/temp/Bomboko.asp) [date accessed: Oct. 7, 2010]
- (2010b) Mandala project. [www.stellar-diamonds.com/temp/Mandala.asp](http://www.stellar-diamonds.com/temp/Mandala.asp) [date accessed: Oct. 7, 2010]
- Stepanov A.S., Shatsky V.S., Zedgenizov D.A., Sobolev N.V. (2007) Causes of variations in morphology and impurities of diamonds from the Udachnaya pipe eclogites. *Russian Geology and Geophysics*, Vol. 48, No. 9, pp. 758–769.
- Stephenson J., Kouznetsov N. (2009) Major deposits of demantoid around the world. *InColor*, No. 11 (Summer), pp. 16–20.
- Stiefenhofer J., Farrow D.J. (2004) Geology of the Mwadui kimberlite, Shinyanga District, Tanzania. *Lithos*, Vol. 77, No. 1/4, pp. 139–160.
- Strack E. (2006) *Pearls*. Rühle-Diebener-Verlag, Stuttgart, Germany, 707 pp.
- (2008) Le gisement de diamants de Lomonosov au nord quest de la Russie: Une visite à Severalmaz. *Revue de Gemmologie a.f.g.*, No. 165, pp. 4–8.
- Study shows marked advances in Myanmar pearl farming (2008) *Jewellery News Asia*, No. 283, pp. 56, 60, 64, 68.
- Sturman N., Strack E. (2010) Gem News International: “Soufflé” freshwater cultured pearls. *Gems & Gemology*, Vol. 46, No. 1, pp. 61–63.
- Sujatmiko H., Einfalt H.C., Henn U. (2004) Opale aus Java. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 53, No. 2/3, pp. 105–112.
- (2005) Opals from Java. *Australian Gemmologist*, Vol. 22, No. 6, pp. 254–259.
- Sun T.T., Puah C.M., Paul S.L., Paramita M., Arps C.E.S., Atichat W., Fritsch E., Kang W.W., Wiljaya K. (2009) Precious opal from Java: Gemmological properties, micro- and nano-structures. *Australian Gemmologist*, Vol. 23, No. 11, pp. 513–528.
- Sutherland F.L. (2006) Gemstone mining and exploration in Australia. *Australian Gemmologist*, Vol. 22, No. 11, pp. 496–502.

- Sutherland F.L., Abduriyim A. (2009) Geographic typing of gem corundum: A test case from Australia. *Journal of Gemmology*, Vol. 31, No. 5/8, pp. 203–210.
- Sutherland F.L., Fanning C.M. (2001) Gem-bearing basaltic volcanism, Barrington, New South Wales: Cenozoic evolution, based on basalt K-Ar ages and zircon fission track and U-Pb isotope dating. *Australian Journal of Earth Sciences*, Vol. 48, No. 2, pp. 221–237.
- Sutherland F.L., Schwarz D. (2001) Origin of gem corundums from basaltic fields. *Australian Gemmologist*, Vol. 21, No. 1, pp. 30–33.
- Sutherland F.L., Webb G.B. (2007) Australian sapphires and rubies. *Rocks & Minerals*, Vol. 82, No. 2, 116–125.
- Sutherland F.L., Bosshart G., Fanning C.M., Hoskin P.W.O., Coenraads R.R. (2002a) Sapphire crystallization, age and origin, Ban Huai Sai, Laos: Age based on zircon inclusions. *Journal of Asian Earth Sciences*, Vol. 20, No. 7, pp. 841–849.
- Sutherland F.L., Graham I.T., Pogson R.E., Schwarz D., Webb G.B., Coenraads R.R., Fanning C.M., Hollis J.D., Allen T.C. (2002b) The Tumbarumba basaltic gem field, New South Wales: In relation to sapphire-ruby deposits of eastern Australia. *Records of the Australian Museum*, Vol. 54, pp. 215–248.
- Sutherland F.L., Coenraads R.R., Schwarz D., Raynor L.R., Barron B.J., Webb G.B. (2003) Al-rich diopside in alluvial ruby and corundum-bearing xenoliths, Australian and SE Asian basalt fields. *Mineralogical Magazine*, Vol. 67, No. 4, pp. 717–732.
- Sutherland F.L., Duroc-Danner J.M., Meffre S. (2008) Age and origin of gem corundum and zircon megacrysts from the Mercaderes-Rio Mayo area, south-west Colombia, South America. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 155–168.
- Sutherland F.L., Giuliani G., Fallick A.E., Garland M., Webb G. (2009a) Sapphire-ruby characteristics, West Pailin, Cambodia. *Australian Gemmologist*, Vol. 23, No. 9, pp. 401–407.
- Sutherland F.L., Zaw K., Meffre S., Giuliani G., Fallick A.E., Graham I.T., Webb G.B. (2009b) Gem-corundum megacrysts from east Australian basalt fields: Trace elements, oxygen isotopes and origins. *Australian Journal of Earth Sciences*, Vol. 56, No. 7, pp. 1003–1022.
- Sutthirat C., Saminpanya S., Droop G.T.R., Henderson C.M.B., Manning D.A.C. (2001) Clinopyroxene-corundum assemblages from alkali basalt and alluvium, eastern Thailand: Constraints on the origin of Thai rubies. *Mineralogical Magazine*, Vol. 65, No. 2, pp. 277–295.
- Swoboda E.R., Larson B. (2002) History of the Tourmaline Queen Mine, San Diego County, California. *Mineralogical Record*, Vol. 33, No. 5, pp. 409–425.

Symons D.T.A., Smith T.E., Kawasaki K., Walawender M.J. (2009) Paleomagnetism of the mid-Cretaceous gem-bearing pegmatite dikes of San Diego County, California, USA. *Canadian Journal of Earth Sciences*, Vol. 46, No. 9, pp. 675–687.

Taghipour B., Noorbehesht I. (2007) The occurrence of turquoise in advanced argillic alteration of Darreh-Zerresk and Ali-Abad porphyry copper deposits, Taft-Yazd Province, central Iran. *17<sup>th</sup> V.M. Goldschmidt Conference*, Cologne, Germany, August 19–24, p. A992.

Tang Y.L., Yi S.T., Chen L.Q. (2004) Xinjiang gemstone resources. *China Gems*, Vol. 3, No. 13, pp. 30–36.

Tappert R., Stachel T., Harris J.W., Muehlenbachs K., Brey G.P. (2006) Placer diamonds from Brazil: Indicators of the composition of the Earth's mantle and the distance to their kimberlitic sources. *Economic Geology*, Vol. 101, No. 2, pp. 453–470.

Tassell A. (2003) Williamson—A bright future ahead? *African Mining*, Vol. 8, No. 2, pp. 36–43.

Taupitz K.C. (2003a) Geochemie und Petrologie von Smaragdvorkommen—Erfahrungen aus dem Smaragdbergbau in Sambia und Simbabwe—Teil I: Kafubu, Sambia. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 52, No. 2/3, pp. 97–114.

——— (2003b) Geochemie und Petrologie von Smaragdvorkommen – Erfahrungen aus dem Smaragdbergbau in Sambia und Simbabwe – Teil II: Sandawana, Simbabwe. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 52, No. 4, pp. 127–144.

Taylor L.A., Anand M., Promprated P., Floss C., Sobolev N.V. (2003) The significance of mineral inclusions in large diamonds from Yakutia, Russia. *American Mineralogist*, Vol. 88, No. 5/6, pp. 912–920.

Teeuw R.M. (2002) Regolith and diamond deposits around Tortiya, Ivory Coast, West Africa. *Catena*, Vol. 49, No. 1/2, pp. 111–127.

Teitelbaum A., Fale P.N. (2008) Support for the Tongan pearl industry. *SPC Pearl Oyster Information Bulletin*, No. 18, pp. 11–14.

Tennessee River freshwater pearl (2009)  
[www.tennesseeriverpearls.com/about\\_freshwater\\_pearls.php](http://www.tennesseeriverpearls.com/about_freshwater_pearls.php) [date accessed: February 5, 2010].

Thielemann T., Arleth A., Arleth M., Johari D., Ong E., Kelter D. (2001) Der Sarawak Bernstein. *Zeitschrift für Angewandte Geologie*, Vol. 47, No. 3/4, pp. 212–217.

Thein M. (2008) Modes of occurrence and origin of precious gemstone deposits of the Mogok Stone Tract. *Journal of the Myanmar Geosciences Society*, Vol. 1, No. 1, pp. 75–84.

Thirangoon K. (2010) Gem News International: Garnet and zircon from the Solomon Islands. *Gems & Gemology*, Vol. 46, No. 1, pp. 66–67.

Thiry M., Milnes A.R., Rayot V., Simon-CoinCon R. (2006) Interpretations of palaeoweathering features and successive silicifications in the Tertiary regolith of inland Australia. *Journal of the Geological Society*, Vol. 163, No. 4, pp. 723–736.

Thomas P.S., Brown L.D., Ray A.S., Prince K.E. (2006) A SIMS study of the transition elemental distribution between bands in banded Australian sedimentary opal from the Lightning Ridge locality. *Neues Jahrbuch für Mineralogie Abhandlungen*, Vol. 182, No. 2, pp. 193–199.

Tietz O. (2003) Zircon typological investigations from the Seufzergründel placer near Hermsdorf in the Saxon Switzerland, eastern Germany. *GeoLines*, Vol. 15, pp. 160–167.

Tietz O., Büchner J. (2007) Abundant in-situ zircon megacrysts in Cenozoic basaltic rocks in Saxony, Germany. *Zeitschrift der Deutschen Gesellschaft für Geowissenschaften*, Vol. 158, No. 2, pp. 201–206.

Tompkins L.A., Meyer S.P., Han Z., Hu S., Armstrong R., Taylor W.R. (1999) Petrology and geochemistry of kimberlites from Shandong and Liaoning provinces, China. In J.J. Gurney, J.L. Gurney, M.D. Pasco and S.H. Richardson, Eds., *Proceedings of the 7<sup>th</sup> International Kimberlite Conference*, Vol. 2, pp. 872–887, Red Roof Design, Cape Town.

Townsend I.J. (2001) The geology of Australian opal deposits. *Australian Gemmologist*, Vol. 21, No. 1, pp. 34–37.

——— (2006) Old opal fields revisited at Coober Pedy. *Australian Gemmologist*, Vol. 22, No. 11, pp. 475–478.

——— (2009) Opal similarities between Andamooka and Coober Pedy, South Australia. *Australian Gemmologist*, Vol. 23, No. 9, pp. 415–420.

Trans Hex (2010) Operations: Exploration. [www.transhex.co.za/operations/exploration](http://www.transhex.co.za/operations/exploration) [date accessed March 30, 2010].

Trnka M., Houzar S. (2002) Moldavites: A review. *Bulletin of the Czech Geological Survey*, Vol. 77, No. 4, pp. 283–302.

Trumbull R.B., Krienitz M.S., Gottesmann B., Wiedenbeck M. (2008) Chemical and boron-isotope variations in tourmalines from an S-type granite and its source rocks: The Erongo granite and tourmalinites in the Damara Belt, Namibia. *Contributions to Mineralogy and Petrology*, Vol. 155, No. 1, pp. 1–18.

Tucci P. (2005) Ethiopian opal. *Rock & Gem*, Vol. 35, No. 10, pp. 12–16.

Turner D., Groat L.A., Hart C.J.R., Mortenssen J.K., Linnen R.L., Giuliani G., Wengzynowski W. (2007) Mineralogical and geochemical study of the True Blue aquamarine showing, southern Yukon. *Canadian Mineralogist*, Vol. 45, No. 2, pp. 203–227.

Typhoon decimates Chinese akoya (2008) *Pearl World*, v. 17, n. 1, p. 20.

Vaaldiam Mining (2010a) Chapada diamond mine. [www.vaaldiam.com/mining/chapada-mine.html](http://www.vaaldiam.com/mining/chapada-mine.html) [date accessed April 7, 2010 ].

Vaaldiam Mining (2010b) Duas Barras diamond mine. [www.vaaldiam.com/mining/duas-barras.html](http://www.vaaldiam.com/mining/duas-barras.html) [date accessed April 7, 2010 ].

Van Baalen M. (2004) Migration of the Mendocino Triple Junction and the origin of titanium-rich mineral suites at New Idria, California. *International Geology Review*, Vol. 46, No. 8, pp. 671–692.

Van Rythoven A.D., Schulze D.J. (2009) In-situ analysis of diamonds and their inclusions from the Diavik Mine, Northwest Territories, Canada: Mapping diamond growth. *Lithos*, Vol. 112, Supp. 2, pp. 870–879.

Vapnik Y., Moroz I. (2000) Fluid inclusions in emerald from the Jos Complex (Central Nigeria). *Schweizerische Mineralogische und Petrographische Mitteilungen*, Vol. 80, No. 2, pp. 117–129.

——— (2002) Compositions and formation conditions of fluid inclusions in emerald from the Maria deposit (Mozambique). *Mineralogical Magazine*, Vol. 66, No. 1, pp. 201–213.

Vapnik Y., Sabot B., Moroz I. (2005) Fluid inclusions in Ianapera emerald, southern Madagascar. *International Geology Review*, Vol. 47, No. 6, pp. 647–662.

Vapnik Y., Moroz I., Roth M., Eliezri I. (2006) Formation of emeralds at pegmatite-ultramafic contacts based on fluid inclusions in Kianjavato emerald, Mananjary deposits, Madagascar. *Mineralogical Magazine*, Vol. 70, No. 2, pp. 141–158.

Veevaert J. (2006) La gemma del numero: Un approfondimento sulla benitoite, proclamata gemma di stato della California. *Rivista Gemmologica Italiana*, Vol. 1, No. 1, pp. 55–60.

Verzhak D.V., Garanin K.V. (2005) Diamond deposits in Arkhangelsk Oblast and environmental problems associated with their development. *Moscow University Geology Bulletin*, Vol. 60, No. 6, pp. 20–30.

Viana R.R., Jordt-Evangelista H., da Costa G.M., Stern W.B. (2002) Characterization of beryl (aquamarine variety) from pegmatites of Minas Gerais, Brazil. *Physics and Chemistry of Minerals*, Vol. 29, No. 10, pp. 668–679.

- Viana R.R., Jordt-Evangelista H., Stern W.B. (2007) Geochemistry of muscovite from pegmatites of the Eastern Brazilian pegmatite province: A clue to petrogenesis and mineralization potential. *European Journal of Mineralogy*, Vol. 19, No. 5, pp. 745–755.
- Viti C., Gemmi M. (2009) Nanostructures and microinfrared behavior of black opal from Gracias, Honduras. *Neues Jahrbuch für Mineralogie Abhandlungen*, Vol. 186, No. 1, pp. 11–20.
- Vogt M. (2004) Bei den Opalsuchern auf Honduras. *Lapis*, Vol. 29, No. 10, pp. 43–54.
- Vuillet P., Giuliani G., Fischer J.C., Chiappero P-J. (2002) Les émeraudes de Gachalá, Colombie: Historique, genèse et découvertes paléontologiques. *Le Règne Minéral*, No. 46, pp. 5–18.
- Walter M.J., Bulanova G.P., Armstrong L.S., Keshav S., Blundy J.D., Gudfinnsson G., Lord O.T., Lennie A.R., Clark S.M., Smith C.B., Gobbo L. (2008) Primary carbonatite melt from deeply subducted oceanic crust. *Nature*, Vol. 454, No. 7204, pp. 622–626.
- Wang L.J., Zhao L., Ding Y.F., Hao J.H., Li Y.Z., Ma J.H., Li Y.Y., Zhang X.L. (2010) Macrocrystal garnet and its inclusions in kimberlite pipes from the Mengyin area, Shandong Province, China. *Acta Geologica Sinica*, Vol. 84, No. 1, pp. 167–177.
- Wang T., Tong Y., Jahn B.M., Zou T.R., Wang Y.B., Hong D.W., Han B.F. (2007) SHRIMP U-Pb zircon geochronology of the Altai No. 3 pegmatite, NW China, and its implications for the origin and tectonic setting of the pegmatite. *Ore Geology Reviews*, Vol. 32, No. 1/2, pp. 325–336.
- Wang W., Scarratt K., Acosta-Salmón H., Davis M. (2009) Queen conch cultured pearls: A new gem. *Gems & Gemology eBrief*, Vol. 1, No. 2, <https://app.e2ma.net/app/view:CampaignPublic/id:1401417.6536803108/rid:2b135b437cc66c7907b01fc6d81b4b8a#Queen%20Conch>.
- Wathanakul P., Atichat W., Pisutha-Arnond V., Sutthirat C., Schwarz D., Win T.T. (2007) Gem corundums from Nam Khun–Nam Yuen, northeastern Thailand. *Gemmologie: Zeitschrift der Deutschen Gemmologischen Gesellschaft*, Vol. 56, No. 1/2, pp. 67–70.
- Webb G. (2007) Ruby suites from New South Wales. *Australian Gemmologist*, Vol. 23, No. 3, pp. 99–117.
- Webb K.J., Scott-Smith B.H., Paul J.L., Hetman C.M. (2004) Geology of the Victor kimberlite, Attawapiskat, northern Ontario, Canada: Cross-cutting and nested craters. *Lithos*, Vol. 76, No. 1/4, pp. 29–50.
- Weiss Y., Kessel R., Griffin W.L., Kiflawi I., Klein-BenDavid O., Bell D.R., Harris J.W., Navon O. (2009) A new model for the evolution of diamond-forming fluids: Evidence from

- microinclusion-bearing diamonds from Kankan, Guinea. *Lithos*, Vol. 112, Supp. 2, pp. 660–674.
- Weldon R. (2009) Gem News International: Anahí’s “new” ametrine. *Gems & Gemology*, Vol. 45, No. 1, pp. 63–64.
- White J.S. (2009) Spessartine from the Navegadora Mine, Minas Gerais, Brazil. *Rocks & Minerals*, Vol. 84, No. 1, pp. 42–45.
- (2010) U.S. gemstones: An overview. *Rocks & Minerals*, Vol. 85, No. 1, pp. 14–23.
- Wight W. (2003) Emerald in Canada. *Canadian Gemmologist*, Vol. 24, No. 2, pp. 61–66.
- (2004) Sapphire from Ontario. *Canadian Gemmologist*, Vol. 25, No. 1, pp. 30–32.
- Wilkins C.J., Tennant W.C., Williamson B.E., McCammon C.A. (2003) Spectroscopic and related evidence on the coloring and constitution of New Zealand jade. *American Mineralogist*, Vol. 88, No. 8/9, pp. 1336–1344.
- Williams R. (2000) Turquoise mountain. *Rock & Gem*, Vol. 28, No. 6, pp. 20–24.
- Wilson B.S. (2005) Recent exploration for coloured gemstones in Canada. *Canadian Gemmologist*, Vol. 26, No. 2, pp. 57–63.
- (2007) Colored gemstones from Canada. In L.A. Groat, Ed., *Geology of Gem Deposits*, Mineralogical Association of Canada, Short Course Volume No. 37, Ch. 10, pp. 255–270.
- (2010) Colored gemstones from Canada. *Rocks & Minerals*, Vol. 85, No. 1, pp. 24–42.
- Wilson M.G.C., Henry G., Marshall T.R. (2006) A review of the alluvial diamond industry and the gravels of the North West Province, South Africa. *South African Journal of Geology*, Vol. 109, No. 3, pp. 301–314.
- Wilson M.G.C., McKenna H., Lynn M.D. (2007) *The Occurrence of Diamonds in South Africa*. Council for Geoscience, Pretoria, 106 pp.
- Wilson W.E. (1999) Famous mineral localities: Lavra Berilo Branco—The original “Sapucaia” rose quartz occurrence, Minas Gerais, Brazil. *Mineralogical Record*, Vol. 30, No. 5, pp. 361–366.
- (2002) Cuprian elbaite from the Batalha mine, Paraíba, Brazil. *Mineralogical Record*, Vol. 33, No. 2, pp. 127–137.
- (2008) The 100-year history of the Benitoite Gem mine, San Benito County, California. *Mineralogical Record*, Vol. 39, No. 1, pp. 13–42.

- Wilson W.E., Saul J.M., Pardieu V., Hughes R.W. (2009) Famous mineral localities: The Merelani tanzanite mines, Lelatema Mountains, Arusha Region, Tanzania. *Mineralogical Record*, Vol. 40, No. 5, pp. 346–408.
- Win W.L. (2009) Gem News International: Large cat's-eye beryl from India. *Gems & Gemology*, Vol. 45, No. 4, pp. 297–298.
- Wise M. (2002) New finds in North Carolina. *extraLapis English No. 2: Emeralds of the World*, Lapis International LLC, East Hampton, CT, pp. 64–65.
- (2005) Mellow yellow: Heliodor and golden beryl. *extraLapis No. 7: Beryl and Its Color Varieties*, Lapis International LLC, East Hampton, CT, pp. 58–60.
- (2009) Chabazite in spodumene-bearing Alpine-type fissure veins from Hiddenite, North Carolina, USA. *Mineralogy and Petrology*, Vol. 96, No. 3/4, pp. 213–220.
- Wise M.A., Anderson A.J. (2006) The emerald- and spodumene-bearing quartz veins of the Rist emerald mine, Hiddenite, North Carolina. *Canadian Mineralogist*, Vol. 44, No. 6, pp. 1529–1541.
- de Wit M.C.J. (2004) The diamondiferous sediments on the farm Nooitgedacht (66), Kimberley, South Africa. *South African Journal of Geology*, Vol. 107, No. 4, pp. 477–488.
- Wu S. (2004) Yunnan gemstones. *China Gems*, Vol. 3, No. 13, pp. 37–41.
- Yamamoto S., Otto A., Krumbiegel G., Simoneit B.R.T. (2006) The natural product biomarkers in succinite, glessite and stantienite ambers from Bitterfeld, Germany. *Review of Palaeobotany and Palynology*, Vol. 140, No. 1/2, pp. 27–49.
- Yan W., Yang M., Qi L., Xue Q. (2000) Texture and structure of turquoise from Hubei-Shaanxi and their relationship to colour and hardness. *Journal of the Gemmological Association of Hong Kong*, Vol. 21, pp. 46–48.
- Yang K.H., Yun S.H., Lee J.D. (2001) A fluid inclusion study of an amethyst deposit in the Cretaceous Kyongsang Basin, South Korea. *Mineralogical Magazine*, Vol. 65, No. 4, pp. 477–487.
- Yang X.Y., Zheng Y.F., Yang X.M., Liu X., Wang K. (2003) Mineralogical and geochemical studies on the different types of turquoise from Maanshan area, East China. *Neues Jahrbuch für Mineralogie Monatshefte*, No. 3, pp. 97–112.
- Yelpaala K., Ali S.H. (2005) Multiple scales of diamond mining in Akwatia, Ghana: Addressing environmental and human development impact. *Resources Policy*, Vol. 30, No. 3, pp. 145–155.

Yin Long Akoya Pearl Farm (2010) Thank you for visiting YinLong Pearl Farm website. [akoyapearlfarm.com](http://akoyapearlfarm.com) [date accessed: October 15, 2010].

Ying J.F., Zhou X.H., Zhang H.F. (2006) The geochemical variations of mid-Cretaceous lavas across western Shandong Province, China and their tectonic implications. *International Journal of Earth Sciences*, Vol. 95, No. 1, pp. 68–79.

Yui T.F., Kwon S.T. (2002) Origin of a dolomite-related jade deposit at Chuncheon, Korea. *Economic Geology*, Vol. 97, No. 3, pp. 593–601.

Yui T.F., Zaw K., Limtrakun P. (2003) Oxygen isotope composition of the Denchai sapphire, Thailand: A clue to its enigmatic origin. *Lithos*, Vol. 67, No. 1/2, pp. 153–161.

Yui T.F., Wu C.M., Limtrakun P., Sricharn W., Boonsoong A. (2006) Oxygen isotope studies on placer sapphire and ruby in the Chanthaburi-Trat alkali gemfield, Thailand. *Lithos*, Vol. 86, No. 3/4, pp. 197–211.

Yui T.F., Zaw K., Wu C.M. (2008) A preliminary stable isotope study on Mogok ruby, Myanmar. *Ore Geology Reviews*, Vol. 34, No. 1/2, pp. 192–199.

Yui T.F., Maki K., Usuki T., Lan C.Y., Martens U., Wu C.M., Wu T.W., Liou J.G. (2010) Genesis of Guatemala jadeitite and related fluid characteristics: Insight from zircon. *Chemical Geology*, Vol. 270, No. 1/4, pp. 45–55.

Žáček V., Vrána S. (2002) Iron-rich chrysoberyl from Kalanga Hill, Muyombe District, north-eastern Zambia. *Neues Jahrbuch für Mineralogie Monatshefte*, No. 12, pp. 529–540.

Zachariáš J., Žáček V., Pudilová, Machovič, V. (2005) Fluid inclusions and stable isotope study of quartz-tourmaline veins associated with beryl and emerald mineralization, Kafubu area, Zambia. *Chemical Geology*, Vol. 223, No. 1/3, pp. 136–152.

Zachovay M. (2009) Gem News International: Cultured pearls from Fiji. *Gems & Gemology*, Vol. 45, No. 2, pp. 148–149.

Zagorsky V.Y. (2010) Malkhan gem tourmaline deposit: Types and nature of miaroles. *Doklady Earth Sciences*, Vol. 431, No. 1, pp. 314–317.

Zagorsky V.Y., Peretyazhko I.S. (2006) The Malkhan granite-pegmatite system. *Doklady Earth Sciences*, Vol. 406, No. 1, pp. 132–135.

Zagorsky V.Y., Peretyazhko I.S., Kusknaryov V.Y., Eds. (2005) *Tourmalines of Malkhan*. Ottisk Publishing House, Irkutsk, Russia, 31 pp.

Zancanella V. (2004) *Tanzanite: The True Story*. Studio Grafico El Sgrif, Tesero, Italy.

——— (2006) La tanzanite. *Revue de Gemmologie a.f.g.*, No. 156, pp. 6–9.

- (2007) La gemma del numero: La tanzanite—Una tra le gemme più affascinanti. *Rivista Gemmologica Italiana*, Vol. 2, No. 2, pp. 117–132.
- Zang J. (2008a) Classic garnets—Andradite. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 34–37.
- (2008b) Classic garnets—Grossular. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 44–49.
- Zang J., Gilg A. (2008) Classic garnets—Pyrope. *extraLapis No. 11: Garnet—Great Balls of Fire*, Lapis International LLC, East Hampton, CT, pp. 52–54.
- Zaraisky G.P., Aksyuk A.M., Devyatova V.N., Udrovatina O.V., Chevychelov V.Y. (2009) The Zr/Hf ratio as a fractionation indicator of rare-metal granites. *Petrology*, Vol. 17, No. 1, pp. 25–45.
- Zaravandi A., Liaghat S., Zentilli M. (2005) Geology of the Darreh-Zerreshk and Ali-Abad porphyry copper deposits, central Iran. *International Geology Review*, Vol. 47, No. 6, pp. 620–646.
- Zaw K., Sutherland F.L., Dellapasqua F., Ryan C.G., Yui T.F., Mernagh T.P., Duncan D. (2006) Contrasts in gem corundum characteristics, eastern Australian basaltic fields: Trace elements, fluid/melt inclusions, and oxygen isotopes. *Mineralogical Magazine*, Vol. 70, No. 6, pp. 669–687.
- Zhang A.C., Wang R.C., Jiang S.Y., Hu H., Zhang H. (2008) Chemical and textural features of tourmaline from the spodumene-subtype Koktokay No. 3 pegmatite, Altai, northwestern China: A record of magmatic to hydrothermal evolution. *Canadian Mineralogist*, Vol. 46, No. 1, pp. 41–58.
- Zhang H.F., Zhou M.F., Sun M., Zhou X.H. (2010) The origin of Mengyin and Fuxian diamondiferous kimberlites from the North China Craton: Implication for Palaeozoic subducted oceanic slab-mantle interaction. *Journal of Asian Earth Sciences*, Vol. 37, No. 5/6, pp. 425–437.
- Zharinov A.A., Ponomarenko V.V., Pekov I.V. (2008) Color-change apatite from Kazakhstan. *Rocks & Minerals*, Vol. 83, No. 2, pp. 148–151.
- Zherikhin V.V., Ross A.J. (2000) A review of the history, geology and age of Burmese amber (Burmite). *Bulletin of the Natural History Museum (London)*, Vol. 56, No. 1, pp. 3–10.
- Zinchenko V.N. (2008) Morphology of diamonds from kimberlite pipes of the Catoca field, Angola. *Geology of Ore Deposits*, Vol. 50, No. 8, pp. 806–814.

- Zinchuk N.N., Koptil V.I. (2004) Mineralogy of diamonds from the Yubileinaya Pipe (Yakutia). *Geology of Ore Deposits*, Vol. 46, No. 2, pp. 135–149.
- Zolotukhin F.F. (1999) Regularities of the emerald distribution in the Malyshevskoe deposit (Russia). *Geology of Ore Deposits*, Vol. 41, No. 5, pp. 398–408.
- Zwaan J.C. (2006) Gemmology, geology and origin of the Sandawana emerald deposits, Zimbabwe. *Scripta Geologica*, Vol. 131, pp. 1–211.
- Zwaan J.C., Touret J.L.R. (2000) Emeralds in greenstone belts: The case of Sandawana, Zimbabwe. *Münchener Geologische Hefte*, Vol. A28, pp. 245–258.
- Zwaan J.C., Cheilertz A., Taylor B.E. (2004) Tracing the emerald origin by oxygen isotope data: The case of Sandawana, Zimbabwe. *Comptes Rendus Geoscience*, Vol. 336, No. 1, pp. 41–48.
- Zwaan J.C., Seifert A.V., Vrána S., Laurs B.M., Anckar B., Simmons W.B., Falster A.U., Lustenhouwer W.J., Muhlmeister S., Koivula J.I., Garcia-Guillermine H. (2005) Emeralds from the Kafubu area, Zambia. *Gems & Gemology*, Vol. 41, No. 2, pp. 116–148.