



Biogenic Gems Bibliography

The list below is a compilation of all items on biogenic (organic) gems, including amber, copal, coral, shell, and others (see separate bibliography for pearls) published in *The Journal of Gemmology* since its beginning in 1947 through 2023. Articles are listed from most recent to oldest.

Articles that are more than approximately two years old are publicly available in the JoG archive at <https://gem-a.com/publications/the-journal-of-gemmology-archive>, and more recent articles are accessible to Gem-A Members at <https://gem-a.com/publications/the-journal-of-gemmology>.

Gem Notes: Traceability and sustainability initiatives for precious corals in Japan (2023)

By Chiemi Sasajima
Volume 38, No. 8, 753–754

Gem Notes: A new amber imitation: Amber-epoxy composite (2022)

By Shu-Hong Lin, Tsung-Ying Yang, Kai-Yun Huang and Yu-Shan Chou
Volume 38, No. 3, 223–224

Characterisation of patchy blue and green colouration in Dominican blue amber (2021)

By Chenxing Xin, Yan Li, Yamei Wang and Guanghai Shi
Volume 37, No. 7, 702–715

Iridescent ammonite fossil shell material from Norilsk, Krasnoyarsk Krai, Russia (2021)

By Viktor A. Radko, Sergey A. Ananyev, Dmitry A. Petrochenkov and Svetlana S. Bondina
Volume 37, No. 6, 608–617

Identification of precious corals (*Corallium rubrum* vs *C. japonicum*) using LA-ICP-MS analysis (2021)

By Daniel Vielzeuf, Bruna Giordano, Jean-Luc Devidal, Angèle Ricolleau, Jonathan Perrin, Catherine Balme-Heuze and Nicole Floquet
Volume 37, No. 6, 596–607

Amber from Khami, Sagaing Region, Myanmar (2020)

By Thet Tin Nyunt, Tay Thye Sun, Murali Krishnaswamy, Loke Hui Ying, Cho Cho, Naing Bo Bo Kyaw, Wai Yang Lai Aung and Chutimun Chanmuang N.
Volume 37, No. 2, 314–322

A case study of ivory species identification using a combination of morphological, gemmological and genetic methods (2020)

By Laurent E. Cartier, Michael S. Krzemnicki, Mario Gysi, Bertalan Lendvay and Nadja V. Morf
Volume 37, No. 3, 282–297

Gemmological and spectroscopic characteristics of different varieties of amber from the Hukawng Valley, Myanmar (2020)

By Xinran Jiang, Zhiqing Zhang, Yamei Wang and Fanli Kong
Volume 37, No. 2, 144–162

Gem Notes: Ammonites inlaid with ammolite and turquoise (2018)

By Brendan M. Laurs
Volume 36, No. 3, 208–209

Gem Notes: Burmese amber from Khamti, Sagaing region (2018)

By Shang I (Edward) Liu
Volume 36, No. 2, 107–110

Characterization of Mexican amber from the Yi Kwan Tsang Collection (2017)

By Vittoria L. Villani, Franca Caucia, Luigi Marinoni, Alberto Leone, Maura Brusoni, Riccardo Groppali, Federica Corana, Elena Ferrari and Cinzia Galli
Volume 35, No. 8, 752–765

- Gemmological and spectroscopic features of untreated vs. heated amber** (2017)
By Yamei Wang, Mingxing Yang, Shufang Nie and Fen Liu
Volume 35, No. 6, 530–542
- Fake pearls made from *Tridacna gigas* shells** (2017)
By Michael S. Krzemnicki and Laurent E. Cartier
Volume 35, No. 5, 424–429
- Identification of reconstructed amber from different periods** (2016)
By Haibo Li, Jie Liang, Taijin Lu, Jun Zhang and Jun Zhou
Volume 35, No. 4, 320–328
- Gem Notes: Amber processing in Lithuania** (2015)
By Brendan M. Laurs
Volume 34, No. 8, 673–675
- Gem Notes: Shungite for jewellery use** (2015)
By Jayshree Panjekar
Volume 34, No. 8, 675–676
- Gem Notes: Gastropod shell beads disguised in a coral necklace** (2015)
By Emilie Disner and Franck Notari
Volume 34, No. 7, 572–574
- Burmese amber from Hti Lin** (2015)
By Tay Thye Sun, Arūnas Kleišmantas, Thet Tin Nyunt, Zheng Minrui, Murali Krishnaswamy and Loke Hui Ying
Volume 34, No. 7, 606–615
- Identification characteristics of natural and imitation hornbill ivory** (2014)
By Jie Liang, Haibo Li, Taijin Lu, Jun Zhang, Meidong Shen and Jun Zhou
Volume 34, No. 1, 42–49
- A cautionary tale about a little-known type of non-nacreous calcareous concretion produced by the *Magilus antiquus* marine snail** (2010)
By Thomas Hainschwang, Thomas Hochstrasser, Irka Hajdas and Wolfgang Keutschegger
Volume 32, No. 1–4, 15–22
- Application of mineralogical methods to the investigation of some gem-quality corals** (2009)
By Lucyna Natkaniec-Nowak, Magdalena Dumanska-Słowik, Jerzy Fijał and Anna Krawczyk
Volume 31, No. 5–8, 226–234
- Identification of the horse origin of teeth used to make the Japanese ‘kakuten’ using DNA analysis** (2006)
By Hironaga Kakoi, Masahiko Kurosawa, Hiroshi Tsuneki and Ikuko Kimura
Volume 30, No. 3–4, 193–199
- Iridescent colours of the abalone shell (*Haliotis glabra*)** (2005)
By T.L. Tan, D. Wong and P. Lee
Volume 29, No. 7–8, 395–399
- Iridescence of a shell of the abalone *Haliotis rufescens* caused by diffraction** (2002)
By Y. Liu, K.N. Hurwit and J.E. Shigley
Volume 28, No. 1, 1–5
- ‘Kakuten’ (crane crown), an ‘ojime’ made from the tooth of a grass-eating animal** (2002)
By Ichiro Sunagawa
Volume 28, No. 1, 33–40
- A study of New Zealand kauri copal** (1997)
By Spencer J.A. Currie
Volume 25, No. 6, 408–416
- Siberian sapropelic coal: A unique type of workable jet** (1995)
By Stanislav Glushnev
Volume 24, No. 5, 349–353

- Structural and chemical investigations on shells and pearls of nacre forming salt- and fresh-water bivalve molluscs** (1994)
By W. Gutmannsbauer and H.A. Hänni
Volume 24, No. 4, 241–252
- Vulcanite or gutta-percha? That is the question** (1991)
By Grahame Brown
Volume 22, No. 5, 292–297
- Proceedings of the First International Amber Symposium** (1989)
By Helen Fraquet
Volume 21, No. 6, 347–350
- Amber – fact and fantasy** (1989)
By Raymond J.L. Walters
Volume 21, No. 5, 289–292
- Observations on turquoise, lapis-lazuli and coral, and some of their simulants** (1988)
By S. Taki and M. Hosaka
Volume 21, No. 2, 74–80
- Natural coral and some substitutes** (1983)
By R. Aliprandi, F. Burrigato and G. Guidi
Volume 18, No. 5, 401–410
- Amber from the Dominican Republic** (1982)
By Helen Fraquet
Volume 18, No. 4, 321–333
- The structure of cameo shell** (1982)
By R. Keith Mitchell
Volume 18, No. 4, 334–338
- Hornbill ivory** (1982)
By G. Brown
Volume 18, No. 1, 8–19
- African star coral, a new precious stylasterine coral from the Agulhas Bank, South Africa** (1981)
By H.S. Pienaar
Volume 17, No. 8, 589–601
- 'Korite'—Fossil ammonite shell from Alberta, Canada** (1981)
By Willow Wight
Volume 17, No. 6, 406–415
- A note on the composition of jet** (1980)
By Helen Muller
Volume 17, No. 1, 10–18
- Stained walrus ivory** (1975)
By E.A. Jobbins and P.M. Statham
Volume 14, No. 6, 288–291
- Odontolite and fulgurites** (1971)
By G.V. Axon
Volume 12, No. 5, 171–172
- Gemmology and teeth** (1970)
By W.G. Cross
Volume 12, No. 1, 6–9
- Blue-dyed fossil coral (Tampa Bay, Florida)** (1963)
By Robert Webster
Volume 9, No. 4, 138
- Stress figures in amber** (1951)
By Robert Webster
Volume 3, No. 2, 72–76

Cameo and intaglio (1948)

By R. Dick-Larkam

Volume 1, No. 5, 33–36

Canadian amber (1947)

By D.S.M. Field

Volume 1, No. 4, 8–9

Kauri gum (1947)

By Elsie Ruff

Volume 1, No. 3, 28–31

Some notes on Japanese coral & jet (1947)

By E.R. Levett

Volume 1, No. 2, 11–12