



Quartz-family Gems Bibliography

The list below is a compilation of all items on quartz-family gems 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>.

Characteristics of the colour zones and inclusions in unusual multicoloured quartz from Brazil (2023)

By Huizhen Huang, Quanli Chen, Xianyu Liu, Yan Li, Zuowei Yin and Yanhan Wu
Volume 38, No. 8, 784–794

Gem Notes: Dyed chatoyant quartz misrepresented as cats-eye chrysoberyl in an antique jewel (2023)

By Thomas Hainschwang and Gianna Hainschwang
Volume 38, No. 8, 754–756

Clues to understanding the enigma of the unusual asterism in ‘Mercedes-Star’ quartz (2023)

By Jean-Pierre Gauthier, Emmanuel Fritsch, Thanh Nhan Bui and Jacques Fereire
Volume 38, No. 7, 678–695

Gem Notes: Quartz with kyanite inclusions from Brazil (2023)

By Brendan M. Laurs
Volume 38, No. 6, 554

Gem Notes: Three-rayed asterism in quartz: A multi-star network (2023)

By Karl Schmetzer and Martin P. Steinbach
Volume 38, No. 6, 552–553

Copper minerals in chalcedony from Obi Island, Indonesia (2023)

By Joel Ivey and Brendan M. Laurs
Volume 38, No. 5, 512–521

The Imperial Crown of the Holy Roman Empire, Part I: Photoluminescence and Raman spectroscopic study of the gemstones (2023)

By Lutz Nasdala, Teresa Lamers, H. Albert Gilg, Chutimun Chanmuang N., Martina Griesser, Franz Kirchweger, Annalena Erlacher, Miriam Böhmler and Gerald Giester
Volume 38, No. 5, 448–473

Gem Notes: Unusual amethyst and carnelian association from Madagascar (2023)

By Franck Rossetto and Thierry Cathelineau
Volume 38, No. 5, 420–421

Gem Notes: Asteriated quartz sphere with sagenitic rutile inclusions (2022)

By Karl Schmetzer and Martin P. Steinbach
Volume 38, No. 4, 314–315

Gem Notes: Quench-fractured bicoloured synthetic quartz: A doubly treated gem material (2022)

By Bhuwadol Wanthanachaisaeng, Lutz Nasdala, Chutimun Chanmuang N. and Manfred Wildner
Volume 38, No. 2, 134–136

Gem Notes: Manufactured silica glass sold as rock-crystal balls (2022)

By Danyi Zhou, Taijin Lu, Jieran Lv and Zhonghua Song
Volume 38, No. 2, 130–131

Gem Notes: Amethyst with trapiche-like patterns and other quartz materials from Rondônia, Brazil (2021)

By Brendan M. Laurs
Volume 37, No. 8, 763–765

- Gem Notes: Hematite inclusions in red trapiche quartz from Inner Mongolia (2021)**
By Emmanuel Fritsch
Volume 37, No. 6, 569–571
- Gem Notes: ‘Herkimer diamond’ quartz from north-western Iran (2021)**
By Bahman Rahimzadeh and Parisa Hadipanah
Volume 37, No. 6, 567–569
- Gem Notes: Unusual inclusion feature in amethyst from Brazil (2021)**
By Jaroslav Hyršl
Volume 37, No. 6, 562
- Gem Notes: Synthetic rock crystal clusters on the Chinese market (2020)**
By Huiru Dai, Danyi Zhou, Zhonghua Song, Jun Su, Haibo Li, Taijin Lu and Yongwang Ma
Volume 37, No. 4, 354–356
- Gem Notes: History revisited—A quartz ‘soudé emerald’ (2020)**
By Cara Williams and Bear Williams
Volume 37, No. 4, 352–354
- Gemmological and mineralogical characteristics of chrysocolla chalcedony from Taiwan, Indonesia and the USA, and their separation (2020)**
By Min Ye and Andy H. Shen
Volume 37, No. 3, 262–280
- Gem Notes: Chrysocolla chalcedony from the Democratic Republic of Congo (2020)**
By Brendan M. Laurs
Volume 37, No. 3, 239
- Gem Notes: Blue apatite in jasper from Brazil (2020)**
By Brendan M. Laurs
Volume 37, No. 3, 234–235
- Gem Notes: Amazonite in quartz from Bahia, Brazil (2020)**
By Brendan M. Laurs
Volume 37, No. 3, 234
- Gem Notes: Trapiche-like pattern in amethyst (2020)**
By Thanh Nhan Bui, Aurélien Delaunay, Ugo Hennebois, Martin P. Steinbach and Jean-Pierre Gauthier
Volume 37, No. 2, 120–122
- Gem Notes: Dyed banded agate from Madagascar (2019)**
By Brendan M. Laurs and Mauro Pantò
Volume 36, No. 8, 708–709
- Gem Notes: Quartz from Brazil with gormanite inclusions (2019)**
By Brendan M. Laurs and Nathan D. Renfro
Volume 36, No. 8, 696–697
- Gem Notes: Quartz from Chile with powellite and molybdenite inclusions (2019)**
By Jaroslav Hyršl
Volume 36, No. 8, 697–699
- Gem Notes: Quartz from Madagascar with fuchsite phantom inclusions (2019)**
By Gabriela A. Farfan and Jeffrey E. Post
Volume 36, No. 8, 698–699
- Gem Notes: Amethyst from Zimbabwe (2019)**
By Brendan M. Laurs and Nathan D. Renfro
Volume 36, No. 8, 682
- Gem Notes: Quartz from Brazil with biotite inclusions (2019)**
By Alessandra Costanzo and Brendan M. Laurs
Volume 36, No. 7, 588–589
- Gem Notes: Quartz from Brazil with dendritic inclusions (2019)**
By Brendan M. Laurs and Nathan D. Renfro
Volume 36, No. 7, 589

- Gem Notes: Quartz with triphylite inclusions from Brazil** (2019)
By Alessandra Costanzo and Brendan M. Laurs
Volume 36, No. 6, 505–507
- Gem Notes: Chrysocolla from the Ray mine, Arizona, USA** (2019)
By Brendan M. Laurs
Volume 36, No. 6
- Gem Notes: Glass imitation of ametrine** (2018)
By Jaroslav Hyršl
Volume 36, No. 4, 294
- Gem Notes: W. G. Rutherford collection of agates** (2018)
By Robin Hansen
Volume 36, No. 4, 280–281
- Letters: Transparency of Emerald Tanzurine, authors' reply** (2018)
By Tom Stephan, Ulrich Henn, Fabian Schmitz and Brendan M. Laurs
Volume 36, No. 3, 211
- Letters: Transparency of Emerald Tanzurine** (2018)
By John S. White and Loretta D. Dickson
Volume 36, No. 3, 211
- Gem Notes: Red aventurescent quartzite from Tanzania** (2018)
By Tom Stephan, Ulrich Henn, Fabian Schmitz and Brendan M. Laurs
Volume 36, No. 3, 196–197
- Gem Notes: Quartz slices from Madagascar with interesting inclusions** (2018)
By Brendan M. Laurs and Nathan D. Renfro
Volume 36, No. 3, 195
- Gem Notes: Ametrine with trapiche-like patterns from Brazil** (2018)
By Brendan M. Laurs
Volume 36, No. 3, 186–187
- Gem Notes: Green eventurescent quartzite from a new find in Tanzania** (2018)
By Tom Stephan, Ulrich Henn, Fabian Schmitz and Brendan M. Laurs
Volume 36, No. 2, 103–104
- Gem Notes: Grape-like 'Manakarra' quartz from Sulawesi, Indonesia** (2018)
By Brendan M. Laurs and George R. Rossman
Volume 36, No. 2, 101–102
- Gem Notes: Colourless cordierite—and quartz—from Tanzania** (2018)
By Brendan M. Laurs and Nathan D. Renfro
Volume 36, No. 2, 92–94
- Gem Notes: Chrysocolla chalcedony with native copper inclusions** (2018)
By Brendan M. Laurs
Volume 36, No. 2, 92
- Gem Notes: Glass doublets simulating rutilated and tourmalinated quartz** (2018)
By Lily Faber
Volume 36, No. 1, 20–21
- Gem Notes: Amethyst discovery in Bahia, Brazil** (2018)
By Brian Cook
Volume 36, No. 1, 6
- Gem-quality amethyst from Rwanda: Optical and microscopic properties** (2018)
By Karl Schmetzer and Bear Williams
Volume 36, No. 1, 26–36
- Gem Notes: Quartz with outstanding black tourmaline 'pinwheel' inclusion** (2017)
By Thanh Nhan Bui, Yves Guazzini, Pascal Entremont and Jean-Pierre Gauthier
Volume 35, No. 7, 586–587

- Gem Notes: Apache blue stone (chrysocolla) from Arizona, USA (2017)**
By Cara Williams, Bear Williams, Brendan M. Laurs, Alexander U. Falster and William 'Skip' B. Simmons
Volume 35, No. 6, 470–472
- Gem Notes: Copper-stained quartzite from Badakhshan, Afghanistan (2017)**
By Jaroslav Hyršl
Volume 35, No. 6, 475–476
- Gem Notes: Quartz from Brazil with colourful epigenetic inclusions (2017)**
By Brendan M. Laurs
Volume 35, No. 6, 486–487
- Gem Notes: Quartz from Brazil with pyrite inclusions (2017)**
By Brendan M. Laurs
Volume 35, No. 6, 487–488
- Gem Notes: Quartz from Brazil with rhodochrosite inclusions (2017)**
By Brendan M. Laurs
Volume 35, No. 6, 490
- Gem Notes: Some inclusions in quartz from Pakistan (2017)**
By Brendan M. Laurs and Nathan D. Renfro
Volume 35, No. 6, 490–491
- Distinction of natural and synthetic ametrine by microscopic examination—A practical approach (2017)**
By Karl Schmetzer
Volume 35, No. 6, 506–529
- Gem Notes: Quartzite and calcite bangles, resembling jadeite (2016)**
By Cara Williams and Bear Williams
Volume 35, No. 4, 289–291
- Gem Notes: Chrome chalcedony from Tanzania (2016)**
By Jaroslav Hyršl
Volume 35, No. 3, 189–190
- Gem Notes: Quartz cubes from Volodarsk-Volynski, Ukraine (2016)**
By Maury Morgenstein
Volume 35, No. 3, 194–195
- Gem Notes: Quartz beads treated with a coloured polymer to imitate tourmalinated quartz (2016)**
By Cara Williams and Bear Williams
Volume 35, No. 2, 117–118
- Gem Notes: A Laliq quartz pendant, in polarized light (2016)**
By Candice Caplan and Franck Notari
Volume 35, No. 1, 13–15
- Gem Notes: Faceted quartz with petroleum inclusions from Baluchistan, Pakistan (2016)**
By Brendan M. Laurs
Volume 35, No. 1, 15
- Gem Notes: Quartz slabs from Inner Mongolia (2016)**
By Brendan M. Laurs
Volume 35, No. 1, 15–16
- Gem Notes: Sphalerite inclusions in quartz (2016)**
By Brendan M. Laurs
Volume 35, No. 1, 16–17
- Gem Notes: Chrysocolla chalcedony from Spain (2015)**
By Brendan M. Laurs
Volume 34, No. 6, 472
- Gem Notes: Fracture-filled synthetic emerald, with synthetic quartz inclusions (2015)**
By Gagan Choudhary
Volume 34, No. 6, 483–484

- Gem Notes: Quartz imitation of star sapphire** (2015)
By Wendi M. Mayerson
Volume 34, No. 6, 485–486
- Gem Notes: Dumortierite inclusions in quartz from Brazil** (2015)
By Brendan M. Laurs
Volume 34, No. 5, 391–392
- Gem Notes: Quartz sphere with large well-formed inclusion** (2015)
By Brendan M. Laurs
Volume 34, No. 5, 392–393
- Gem Notes: Dyed quartzite as an imitation of bicoloured tourmaline** (2015)
By Jaroslav Hyršl
Volume 34, No. 5, 402
- Gem Notes: Observations of pegmatitic amethyst from São Paulo State, Brazil** (2014)
By Cara Williams and Bear Williams
Volume 34, No. 4, 288–289
- Gem Notes: Quartz with radiating fibres, sold as ‘trapiche’ quartz** (2014)
By Michael S. Krzemnicki and Brendan M. Laurs
Volume 34, No. 4, 296–298
- Gem Notes: Dyed quartzite and chalcedony beads imitating amazonite** (2014)
By Cara Williams and Bear Williams
Volume 34, No. 4, 303–304
- Gem Notes: Large faceted quartz from Arkansas, USA** (2014)
By James S. Zigras and Brendan M. Laurs
Volume 34, No. 2, 99–101
- Gem Notes: Gold inclusions in a large, clear quartz crystal** (2014)
By Brendan M. Laurs
Volume 34, No. 2, 101–102
- Gem Notes: Blue chrysocolla chalcedony from Peru** (2014)
By Bryan Clark and Brendan M. Laurs
Volume 34, No. 1, 9–10
- Review of some current coloured quartz varieties** (2012)
By Ulrich Henn and Rainer Schultz-Güttler
Volume 33, No. 1–4, 29–43
- The positions of light spots on rose quartz star spheres** (2008)
By Harold Killingback
Volume 31, No. 1–2, 40–42
- Chrysocolla quartz from the Bacan Archipelago, south Halmahera Regency, north Maluku Province, Indonesia** (2006)
By H.C. Einfalt and H. Sujatmiko
Volume 30, No. 3–4, 155–168
- The orientation and symmetry of light spots and asterism in rose quartz spheres from Madagascar** (2006)
By Karl Schmetzer and Michael Krzemnicki
Volume 30, No. 3–4, 183–191
- Fuchsite quartzite as an imitation of emerald** (2006)
By Pedro Luiz Juchem, Tania Mara Martini de Brum, Adriane Comin Fischer, Naira Maria Balzaretto and Adolpho Herbert Augustin
Volume 30, No. 3–4, 207–214
- Coiled ‘rutile’ whiskers in a quartz single crystal** (2004)
By Ichiro Sunagawa, E. Alan Jobbins and Emma Tinnyunt
Volume 29, No. 1, 1–7

- Identification of an impregnated quartz imitation of jade (2003)**
By T.L. Tan, T.S. Tay, B.L. Tan and W.H. Tan
Volume 28, No. 7, 392–398
- Multi-star quartzes from Sri Lanka (2003)**
By Karl Schmetzer and Maximilian Glas
Volume 28, No. 6, 321–332
- A new chrome chalcidony occurrence from Western Australia (2003)**
By Margot J. Willing and Susan M. Stocklmayer
Volume 28, No. 5, 265–279
- Natural amethyst from the Caxarai mine, Brazil, with a spectrum containing an absorption peak at 3543 cm⁻¹ (2002)**
By Hiroshi Kitawaki
Volume 28, No. 2, 101–108
- A glass imitation of blue chalcidony (2001)**
By Henry A. Hänni, Shun Tien Wu, Yuan Xingqiang and Tsai Wen-Po
Volume 27, No. 5, 275–285
- The fashioning of rock crystal for spectacles in Sri Lanka (2001)**
By M.D.P.L. Francis and P.G.R. Dharmaratne
Volume 27, No. 5, 291–294
- Chrome chalcidony – A review (1999)**
By Jaroslav Hyršl
Volume 26, No. 6, 364–370
- Fluorescent oil inclusions in quartz (1994)**
By Anthony de Goutière
Volume 24, No. 2, 84–85
- Jaspers from Swierki near Nowa Ruda, Lower Silesia, Poland (1993)**
By W. Heflik, M. Pawlikowski, T. Sobczak and N. Sobczak
Volume 23, No. 6, 356–359
- Crystallized and massive rose quartz deposits in Brazil (1991)**
By Jacques P. Cassedanne and Maurice Roditi
Volume 22, No. 5, 273–286
- Hematite inclusions in Eonyang amethyst from Korea (1990)**
By Won-Sa Kim
Volume 22, No. 4, 204–206
- An unusual agate from Guyana (1990)**
By J.G. Gosling
Volume 22, No. 2, 76–79
- 'Aqua Aura' enhanced quartz specimens (1989)**
By Robert C. Kammerling and John I. Koivula
Volume 21, No. 6, 364–367
- Methods for the distinction of natural and synthetic citrine and prasiolite (1989)**
By Karl Schmetzer
Volume 21, No. 6, 368–391
- New investigations of synthetic amethysts produced in Japan (1987)**
By Thomas Lind and Karl Schmetzer
Volume 20, No. 5, 274–277
- Solution coloration of smoky quartz (1986)**
By John Ilmari Koivula
Volume 20, No. 4, 208–209
- Green aventurine quartz: Mineralogical characterization (1986)**
By E.A. Monroe
Volume 20, No. 2, 83–86

- A description of the jasper found at the Orinduik Falls in Guyana, South America (1986)**
By J.G. Gosling
Volume 20, No. 2, 91–92
- An improved sample holder and its use in the distinction of natural and synthetic ruby as well as natural and synthetic amethyst (1986)**
By Karl Schmetzer
Volume 20, No. 1, 20–33
- Hydrothermal growth: The first historical achievement by Giorgio Spezia on quartz (1984)**
By Carlo Trossarelli
Volume 19, No. 3, 240–260
- A method for measuring the infrared spectra of faceted gems such as natural and synthetic amethysts (1983)**
By Thomas Lind and Karl Schmetzer
Volume 18, No. 5, 411–420
- The quest for quartz... (1980)**
By S.B. Nikon Cooper
Volume 17, No. 3, 150–152
- Copper bearing aventurine zeolite: An occurrence in India (1978)**
By D.J. Talati
Volume 16, No. 3, 186–190
- The agates of the Midland Valley of Scotland (an appraisal of the work of Dr M. Forster Heddle) (1977)**
By Alistir Tait
Volume 15, No. 7, 382–392
- Further notes on mono- and bi-phase inclusions in amethyst and topaz (1977)**
By E.J. Gübelin
Volume 15, No. 6, 289–294
- Notes on mono- and bi-phase inclusions in amethyst (1976)**
By E.J. Gübelin
Volume 15, No. 4, 165–171
- Helvite and tourmaline accompanied by grunerite in quartz (1976)**
By E.J. Gübelin
Volume 15, No. 3, 111–113
- Studies of nucleation and propagation of cracks in natural quartz (1976)**
By M.S. Joshi and B.K. Paul
Volume 15, No. 3, 129–135
- Notes on inclusions in tanzanite and tourmalinated quartz (1975)**
By Pete J. Dunn
Volume 14, No. 7, 335–338
- Defects in the coloured varieties of quartz (1974)**
By D.R. Hutton
Volume 14, No. 4, 156–166
- An irradiated quartz (1974)**
By Robert Webster
Volume 14, No. 4, 175–176
- Agate-staining in the early part of the century (1974)**
By M.J. O'Donoghue
Volume 14, No. 3, 114
- Synthetic quartz from the United States (1973)**
By M.J. O'Donoghue
Volume 13, No. 7, 263–264
- Chalcedony in Surrey (1972)**
By E.J. Burbage
Volume 13, No. 4, 139–142

- Origin of the name agate** (1969)
By E. Sarofim
Volume 11, No. 6, 203–204
- An unusual dyed agate** (1965)
By P.C. Zwaan
Volume 9, No. 9, 283–285
- Corundum and amethyst from Tanganyika** (1963)
By E.H. Rutland
Volume 9, No. 4, 132–135
- Some observations on aquamarine and quartz** (1963)
By W.F. Eppler
Volume 9, No. 1, 9–16
- Notes on asterism in spinel and chatoyancy in chrysoberyl, quartz, tourmaline, zircon and scapolite** (1958)
By W.F. Eppler
Volume 6, No. 6, 251–263
- Notes on asterism in corundum, rose quartz and almandine garnet and chatoyancy in beryl** (1958)
By W.F. Eppler
Volume 6, No. 5, 195–212
- Feature of amethyst and citrine inclusions** (1952)
By Norman H. Day
Volume 3, No. 8, 322–326
- The crystalline structure of quartz and its polymers** (1952)
By James Walton
Volume 3, No. 5, 204–214
- Synthetic quartz crystals examined** (1951)
By B.W. Anderson
Volume 3, No. 1, 31–33
- Improvements in the production of synthetic quartz** (1950)
By Anonymous
Volume 2, No. 6, 226–227