



## 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, Chutimum 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 Wanhanachaisaeng, Lutz Nasdala, Chutimum 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, 697–69

**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 Schmetzler 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 Schmetzler  
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 Lalique 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 Balzaretti 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 chalcedony 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<sup>-1</sup> (2002)**

By Hiroshi Kitawaki  
Volume 28, No. 2, 101–108

**A glass imitation of blue chalcedony (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 chalcedony – 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