



## Asterism and Chatoyancy Bibliography

The list below is a compilation of all items on star and cat's-eye gems materials published in *The Journal of Gemmology* since its beginning in 1947 through 2024. 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: Dyed chatoyant quartz misrepresented as cats-eye chrysoberyl in an antique jewel (2023)**

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**Clues to understanding the enigma of the unusual asterism in 'Mercedes-star' Quartz (2023)**

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

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

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**Gem Notes: Chatoyant anorthoclase feldspar from Dong Nai Province, Vietnam (2021)**

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**Gem Notes: Chrome diopside from Ethiopia (2021)**

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**Stereoscopy in asteriated gemstones revisited (2020)**

By Thanh Nhan Bui, Pascal Entremont, Francesco Mazzero and Jean-Pierre Gauthier  
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- Gem Notes: Origin of asterism in a rare four-rayed star spessartine** (2020)  
By Thanh Nhan Bui, Aurélien Delaunay, Ugo Hennebois, Martin P. Steinbach and Jean-Pierre Gauthier  
Volume 37, No. 3, 248–249
- Gem Notes: Green orthoclase with chatoyancy from Vietnam** (2020)  
By Radek Hanus and Ján Štubňa  
Volume 37, No. 2, 140
- Gem Notes: More on black star rutile imitations** (2018)  
By Branko Deljanin  
Volume 36, No. 1, 21–23
- Gem Notes: Cat's-eye tremolite from Badakhshan, Afghanistan** (2018)  
By J.C. (Hanco) Zwaan, Frank C. Hawthorne, Maxwell Day and Brendan M. Laurs  
Volume 36, No. 1, 14–15
- Gem Notes: Cat's-eye indicolite tourmaline from Afghanistan** (2018)  
By Brendan M. Laurs  
Volume 36, No. 1, 13
- Gem Notes: Black star cubic zirconia sold as natural star rutile** (2017)  
By Branko Deljanin  
Volume 35, No. 8, 704–706
- Gem Notes: Illuminating different sets of acicular inclusions in 12-rayed star sapphires** (2017)  
By Jean-Pierre Gauthier and Thanh Nhan Bui  
Volume 35, No. 7, 587–589
- Gem Notes: Cat's-eye aquamarine from Meru, Kenya** (2017)  
By Brendan M. Laurs and Nathan D. Renfro  
Volume 35, No. 7, 572
- Gem Notes: An unusual blue synthetic star spinel** (2017)  
By Supparat Promwongnan, Papawarin Ounorn, Marisa Maneekrajangsaeng and Thanong Leelawatanasuk  
Volume 35, No. 6, 500–502
- Gem Notes: Synthetic star ruby with an unusual production history** (2017)  
By Karl Schmetzer and Leopold Rössler  
Volume 35, No. 5, 399–401
- Gem Notes: Large pink sapphire with diffusion-induced star** (2016)  
By Wendi M. Mayerson  
Volume 35, No. 4, 291–292
- Gem Notes: Cat's-eye väyrynenite from Pakistan** (2016)  
By J.C. (Hanco) Zwaan  
Volume 35, No. 4, 288–289
- Gem Notes: Scapolite from Badakhshan, Afghanistan** (2016)  
By J.C. (Hanco) Zwaan  
Volume 35, No. 4, 285–287
- Gem Notes: Unusual star sapphire from Tanzania** (2016)  
By Pascal Entremont, Jean-Pierre Gauthier and Thanh Nhan Bui  
Volume 35, No. 3, 199–201
- Gem Notes: Star sapphire showing a variable number of rays** (2016)  
By Thanh Nhan Bui, Katerina Deliousi, Katrien De Corte and Jean-Pierre Gauthier  
Volume 35, No. 3, 197–199
- Gem Notes: Unusual aquamarine from Pakistan** (2016)  
By Bryan Clark  
Volume 35, No. 3, 188–189
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Volume 35, No. 2, 106
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Volume 35, No. 2, 98–101
- Gem Notes: Cat's-eye diaspore from Turkey** (2016)  
By Bryan Clark  
Volume 35, No. 2, 97–98
- Characterization of oriented inclusions in cat's-eye, star and other chrysoberyls** (2016)  
By Karl Schmetzer, Heinz-Jürgen Bernhardt and H. Albert Gilg  
Volume 35, No. 1, 28–54
- Gem Notes: Zircon showing asterism** (2015)  
By Michael S. Krzemnicki and Martin P. Steinbach  
Volume 34, No. 8, 671–673
- Gem Notes: Quartz imitation of star sapphire** (2015)  
By Wendi M. Mayerson  
Volume 34, No. 6, 485–486
- Gem Notes: Cat's-eye apatite from Namibia** (2014)  
By Christopher L. Johnston  
Volume 34, No. 3, 191
- Gem Notes: Colourless cat's-eye apatite from Brazil** (2014)  
By Brendan M. Laurs  
Volume 34, No. 1, 8
- Large 12-rayed black star sapphire from Sri Lanka with asterism caused by ilmenite inclusions** (2017)  
By Thanh Nhan Bui, Pascal Entremont, and Jean-Pierre Gauthier  
Volume 35, No. 5, 430–435
- Characterization of oriented inclusions in cat's-eye, star and other chrysoberyls** (2016)  
By Karl Schmetzer, Heinz-Jürgen Bernhardt and H. Albert Gilg  
Volume 35, No. 1, 28–54
- The 'coffee-and-cream' effect in chatoyant cabochons** (2015)  
By Harold Killingback  
Volume 34, No. 6, 524–530
- The Rhodesian Star: An exceptional asteriated diamond** (2014)  
By Thomas Hainschwang, Franck Notari and Erik Vadaszi  
Volume 34, No. 4, 306–315
- The positions of light spots on rose quartz star spheres** (2008)  
By Harold Killingback  
Volume 31, No. 1–2, 40–42
- 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
- Stereoscopic effect in asterism and chatoyancy** (2005)  
By Harold Killingback  
Volume 29, No. 5–6, 312–315
- Asterism in beryl, aquamarine and emerald – An update** (2004)  
By Karl Schmetzer, Lore Kiefert and Henry A. Hänni  
Volume 29, No. 2, 65–71
- Multi-star quartzes from Sri Lanka** (2003)  
By Karl Schmetzer and Maximilian Glas  
Volume 28, No. 6, 321–332

- A note on two star stones** (2002)  
By R.R. Harding  
Volume 28, No. 4, 231–234
- Letter to the Editor: Production of fake asterism** (2002)  
By Karl Schmetzer  
Volume 28, No. 2, 109–110
- Fake asterism – Two examples** (2002)  
By Karl Schmetzer and Martin P. Steinbach  
Volume 28, No. 1, 41–42
- Star garnets and star garnet cat's-eyes from Ambatondrazaka, Madagascar** (2002)  
By Karl Schmetzer, Heinz-Jürgen Bernhardt and Lore Kiefert  
Volume 28, No. 1, 13–23
- Some new unusual cat's-eyes and star stones** (2001)  
By Jaroslav Hyršl  
Volume 27, No. 8, 456–460
- Spinel and garnet star networks: An interesting asterism in gems from Sri Lanka** (1998)  
By W.L.D.R.A. Kumaratilake  
Volume 26, No. 1, 24–28
- Gems of Sri Lanka: A list of cat's-eyes and stars** (1997)  
By W.L.D.R.A. Kumaratilake  
Volume 25, No. 7, 474–482
- Cat's-eye and asteriated gemstones from East Africa** (1995)  
By N.R. Barot, G. Graziani, E. Gübelin and M. Rettighieri  
Volume 24, No. 8, 569–580
- Dyed natural star corundum as a ruby imitation** (1994)  
By Karl Schmetzer and Frank-J. Schupp  
Volume 24, No. 4, 253–255
- The location, geology, mineralogy and gem deposits of alexandrite, cat's-eye and chrysoberyl in Brazil** (1993)  
By Jacques Cassedanne and Maurice Roditi  
Volume 23, No. 6, 333–354
- Two strongly pleochroic chatoyant gems** (1991)  
By Robert C. Kammerling and John I. Koivula  
Volume 22, No. 7, 395–398
- Star rhodolite garnet from Tanzania** (1990)  
By Robert C. Kammerling and John I. Koivula  
Volume 22, No. 1, 16–18
- Star sapphire from Kenya** (1989)  
By N.R. Barot, A. Flamini, G. Graziani and E.J. Gübelin  
Volume 21, No. 8, 467–473
- The gemmological characteristics of Inamori synthetic cat's-eye alexandrite and chrysoberyl** (1988)  
By John I. Koivula, Emmanuel Fritsch and Chuck Fryer  
Volume 21, No. 4, 232–236
- Investigation of cat's-eye zircons from Sri Lanka** (1988)  
By Mahinda Gunawardene and Marion Gunawardene  
Volume 21, No. 2, 88–91
- Investigation of a sapphire cat's-eye from Burma** (1987)  
By K. Schmetzer and L. Kiefert  
Volume 20, No. 6, 346–349
- Some unusual cat's-eyes 2** (1987)  
By Yasuhiro Ito  
Volume 20, No. 5, 292–293

- Some unusual cat's-eyes** (1986)  
By Yasuhiro Ito  
Volume 20, No. 3, 161–162
- An unusual star diamond** (1986)  
By S.J.A. Currie  
Volume 20, No. 1, 52
- Chatoyancy in chrysoberyl cat's-eye from pegmatites of Trivandrum District, southern India** (1985)  
By K. Soman and N.G.K. Nair  
Volume 19, No. 5, 412–415
- Sillimanite cat's-eyes from Kangayam, Madras, India** (1982)  
By P.C. Zwaan  
Volume 18, No. 4, 277–281
- Tourmaline chatoyancy** (1982)  
By Giorgio Graziani, Edward Gübelin and Sergio Lucchesi  
Volume 18, No. 3, 181–193
- Star inclusions in diamond** (1981)  
By R. Keith Mitchell  
Volume 17, No. 8, 584–588
- An unusual star peridot** (1980)  
By Stefan Borg  
Volume 17, No. 1, 1–4
- Kornerupine cat's-eyes from Sri Lanka (Ceylon)** (1977)  
By H.J. Korevaar and P.C. Zwaan  
Volume 15, No. 5, 225–239
- Large Asian yellow cat's-eyes** (1975)  
By Helen MacLeod  
Volume 14, No. 6, 292
- Star-diopside and labradorite as paramagnetic minerals** (1973)  
By David Kent and Robert Webster  
Volume 13, No. 8, 308–311
- Pseudocrocidolite** (1968)  
By Robert Webster  
Volume 11, No. 3, 84–91
- Inclusions in black star-pyroxene** (1968)  
By J.F.R. Ponahlo  
Volume 11, No. 1, 12–15
- The characteristics and inclusions of black star-diopside** (1967)  
By B.F. Martin  
Volume 10, No. 7, 235–241
- Star-diopside and star-enstatite** (1967)  
By W.F. Eppler  
Volume 10, No. 6, 185–188
- New star-stones and their antecedents** (1961)  
By Frederick H. Pough  
Volume 8, No. 1, 14–20
- How rare are chatoyants and asterias?** (1960)  
By Nigel W. Kennedy  
Volume 7, No. 8, 303–308
- An unusual star-beryl** (1960)  
By W.F. Eppler  
Volume 7, No. 5, 183–191

**Notes on asterism in spinel and chatoyancy in chrysoberyl, quartz, tourmaline, zircon (1958)**

By W.F. Eppler

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**Notes on asterism in corundum, rose quartz and almandine garnet and chatoyancy in beryl (1958)**

By W.F. Eppler

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**Structure & inclusions of synthetic star-stones (1957)**

By A.J. Breebaart

Volume 6, No. 2, 72–74

**Asterism in corundum (1955)**

By Alice Sumner Tait

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**Synthetic star sapphires (1948)**

By Anonymous

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