



## Colour-change Gems Bibliography

The list below is a compilation of all items on gem materials that exhibit colour-change or photochromic behaviour 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 <a href="https://gem-a.com/publications/the-journal-of-gemmology-archive">https://gem-a.com/publications/the-journal-of-gemmology</a>. and more recent articles are accessible to Gem-A Members at <a href="https://gem-a.com/publications/the-journal-of-gemmology">https://gem-a.com/publications/the-journal-of-gemmology</a>.

Gem Notes: Colour-change garnet showing blue colouration from Kamtonga, Kenya (2023)

By Clemens Schwarzinger Volume 38. No. 6, 545–548

Gem Notes: Photochromism and phosphorescence of tugtupite (2023)

By Yujie Gao and Xueying Sun Volume 38, No. 5, 429–431

Gem Notes: Photochromic scapolite from Baffin Island, Canada (2022)

By Emmanuel Fritsch and Cassandre Moinard Volume 38, No. 2, 126–127

Gem Notes: Alexandrite with an uncommon deep red colour (2021)

By Riadh Zellagui and Christopher P. Smith Volume 37, No. 8, 762–763

The discovery and naming of alexandrite and phenakite: Separating fact from fiction (2021)

By Karl Schmetzer and Evgenii Vladimirovich Burlakov Volume 37, No. 5, 496–513

Gem Notes: Horsetail-like inclusions in a colour-change garnet from Tanzania (2021)

By Clemens Schwarzinger Volume 37, No. 5, 448–449

Gem Notes: Colour-change garnet from Tanga, Tanzania (2020)

By J.C. (Hanco) Zwaan Volume 37, No. 2, 133–134

Gem Notes: Colour-change tephroite from South Africa (2018)

By Jaroslav Hyršl Volume 36, No. 4, 292

Colour-change axinite-(Mn) from Tanzania (2014)

By Cara Williams, Bear Williams and Brendan M. Laurs Volume 34, No. 3, 191–102

Titanium-bearing synthetic alexandrite and chrysoberyl (2013)

By Karl Schmetzer, Heinz-Jürgen Bernhardt and Thomas Hainschwang Volume 33, No. 5–6, 137–148

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## Alexandrite and colour-change chrysoberyl from the Lake Manyara alexandrite-emerald deposit in northern Tanzania (2011)

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#### A colorimetric study of a tourmaline from Mozambique which shows a reverse alexandrite effect (2006)

By Yan Liu and B.A. Fry

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### The Usambara effect and its interaction with other colour change phenomena (2006)

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#### The cause of colour of the blue alexandrites from Malacacheta, Minas Gerais, Brazil (2000)

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#### Druses of synthetic alexandrite and synthetic phenakite from Russia (1999)

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### Letter to the Editor (1997)

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#### Characterization of alexandrite, emerald and phenakite from Franqueira (NW Spain) (1997)

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#### Colour-changing chromiferous tourmalines from East Africa (1988)

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