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## Organic Photochromic and Thermochromic Compounds Volume 2 Physicochemical Studies, Biological Applications, and Thermochromism Topics in Applied Chemistry

By -

Springer. Hardcover. Book Condition: New. Hardcover. 473 pages. Dimensions: 9.4in. x 6.2in. x 1.2in. Experiments showing a rapid and reversible change of color seem like magic and are always fascinating. The process involved, photochromism, has a few real and many potential applications. Photochromic glasses that darken in the sunlight (protecting eyes from excessive light intensity) and bleach in dim light are today a part of everyday life. Organic photochromic compounds in plastic ophthalmic lenses, more comfortable to wear, are now competing with silver salts in glasses, despite the longer lifetime of the inorganic system. This successful commercial application has given a new impetus to research in the general field of photochromism, which had its most recent revival in the early eighties. The story of organic photochromism with its ups and downs, from the breakthroughs of the pioneering period in the fifties, through the hard times due to the drawbacks of photodegradation, to the recent successes is in many ways a saga. The upsurges in this domain were marked by an increasing flow of articles in scientific journals and the publication of several books (in 1971, 1990, and 1992) that have collected the important accumulated knowledge. Over this period, a considerable number of patents have been issued. International meetings...

### Reviews

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