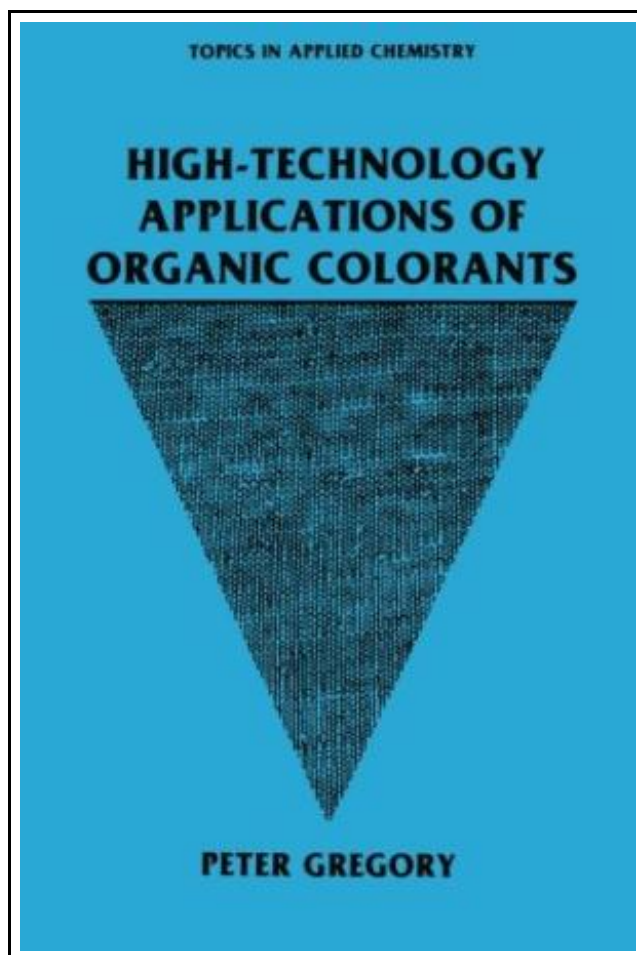


## High-Technology Applications of Organic Colorants



Filesize: 8.95 MB

### ***Reviews***

*This book is definitely not effortless to begin on looking at but quite entertaining to read. Better then never, though i am quite late in start reading this one. I am just easily can get a enjoyment of looking at a written ebook.*

*(Elinor Hyatt)*

## HIGH-TECHNOLOGY APPLICATIONS OF ORGANIC COLORANTS



To get **High-Technology Applications of Organic Colorants** PDF, you should access the hyperlink beneath and save the document or gain access to other information that are related to HIGH-TECHNOLOGY APPLICATIONS OF ORGANIC COLORANTS book.

Book Condition: New. Publisher/Verlag: Springer, Berlin | The traditional use of organic colorants is to impart color to a substrate such as textiles, paper, plastics, and leather. However, in the last five years or so organic colorants have become increasingly important in the high technology (hi-tech) industries of electronics and particularly reprographics. In some of these reprographics applications the organic colorant is used in its traditional role of imparting color to a substrate, typically paper or plastic. Examples are dyes for ink-jet printing, thermally transferable dyes for thermal transfer printing, and dyes and pigments for colored toners in photocopiers and laser printers. In other applications it is a special effect of an organic colorant that is utilized, not its color. Examples are electrical effects, such as photoconduction and the electrostatic charging of toners, both of which are essential features for the operation of photocopiers and laser printers, and the selective absorption of infrared radiation, which is utilized in optical data storage. In electronic applications the organic colorant is often employed in a device. Typical examples include liquid crystal dyes, laser dyes, electro chromic dyes, dyes for solar cells, dyes for micro color filters, and dyes for nonlinear optical applications. | I. Historical Perspectives.- I. Historical Perspective.- II. Colorants for Electronics.- 1. Liquid Crystal Dyes.- 1.1. Introduction.- 1.2. Dye Types.- 1.3. Future Trends.- 1.4. Summary.- References.- 2. Micro Color Filters.- 2.1. Introduction.- 2.2. Flat Screen Televisions.- 2.3. Color Filter Preparation.- 2.3.1. Dyeing Method.- 2.3.2. Pigment Method.- 2.4. Spectral Characteristics.- 2.5. Summary.- References.- 3. Laser Dyes.- 3.1. Introduction.- 3.2. Basic Theory.- 3.3. Dye Types.- 3.4. Summary.- References.- 4. Colorants for Nonlinear Optics.- 4.1. Introduction.- 4.2. Nonlinear Optical Effects and Applications.- 4.3. Molecular Polarizability.- 4.4. Nonlinear Optical Molecules.- 4.5. Molecular Alignment.- 4.6. Summary.- References.- 5. Solar Cells.- 5.1. Introduction.- 5.2. Photosynthesis Mimics.- 5.3....



[Read High-Technology Applications of Organic Colorants Online](#)



[Download PDF High-Technology Applications of Organic Colorants](#)

## Relevant Books



**[PDF] TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)**

Click the hyperlink below to get "TJ new concept of the Preschool Quality Education Engineering: new happy learning young children (3-5 years old) daily learning book Intermediate (2)(Chinese Edition)" file.

[Read ePub »](#)



**[PDF] Would It Kill You to Stop Doing That?**

Click the hyperlink below to get "Would It Kill You to Stop Doing That?" file.

[Read ePub »](#)



**[PDF] Violet Rose and the Surprise Party**

Click the hyperlink below to get "Violet Rose and the Surprise Party" file.

[Read ePub »](#)



**[PDF] You Are Not I: A Portrait of Paul Bowles**

Click the hyperlink below to get "You Are Not I: A Portrait of Paul Bowles" file.

[Read ePub »](#)



**[PDF] TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)**

Click the hyperlink below to get "TJ new concept of the Preschool Quality Education Engineering the daily learning book of: new happy learning young children (2-4 years old) in small classes (3)(Chinese Edition)" file.

[Read ePub »](#)



**[PDF] The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3**

Click the hyperlink below to get "The Clever Detective Boxed Set (a Fairy Tale Romance): Stories 1, 2 and 3" file.

[Read ePub »](#)