



Organic Electronics: Materials, Processing, Devices and Applications

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In the near future, organic semiconductors may be used in a variety of products, including flat-screen TVs, e-book readers, and third-generation organic photovoltaics applications, to name just a few. While organic electronics has received increased attention in scientific journals, those working in this burgeoning field require more in-depth coverage of the subject.

Considering the rapid development in this field, **Organic Electronics: Materials, Processing, Devices and Applications** is a long-overdue assessment of state-of-the-art technology in organic electronics. This valuable reference harnesses the insight of various experts in the field, who contribute entire chapters on their area of specialty, covering chemistry and materials, fundamental physics, device processing, fabrication, and applications.

Coverage includes cutting-edge advances in:

- Organic vapor phase deposition to fabricate organic nanostructures
- Organic semiconductor device physics
- Organic thin film and vertical transistors
- Organic photovoltaic cells
- OLED technologies for flat panel displays and lighting

With its detailed discussion of the latest developments in the field of organic semiconductor materials and devices, this versatile book is ideally suited as a reference tool for scientists, engineers, and researchers or as an overview for those new to the field. In either capacity, its broad range of material will serve as a base for the further development of new sciences and technologies in this area.



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