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| 1. Record Nr.           | UNINA9910816780503321                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Titolo                  | Organic light-emitting diodes (OLEDs) : materials, devices and applications / / edited by Alastair Buckley                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Pubbl/distr/stampa      | Cambridge, UK : , : Woodhead Publishing, , 2013                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ISBN                    | 0-85709-894-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Descrizione fisica      | 1 online resource (xvii, 647 pages, 16 unnumbered pages of color plates) : illustrations (some color)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Collana                 | Woodhead Publishing series in electronic and optical materials, , 2050-1501 ; ; number 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Disciplina              | 621.3815<br>621.3815/22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Soggetti                | Light emitting diodes<br>Organic thin films<br>Polymers - Electric properties<br>Electroluminescent devices - Materials                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Nota di contenuto       | part I. Materials for organic light-emitting diodes (OLEDs) -- part II. Operation and engineering of organic light-emitting diode (OLED) devices -- part III. Applications of organic light-emitting diodes (OLEDs) in displays and solid-state lighting.                                                                                                                                                                                                                                                                                                                                                  |
| Sommario/riassunto      | Organic light-emitting diodes (OLEDs) are opening up exciting new applications in the area of lighting and displays. OLEDs are self emissive and by careful materials and device design can generate colours across the visible spectrum. Together with simple monolithic fabrication on a range of different substrates, these diverse material properties give OLEDs key advantages over existing display and lighting technology. This important book summarises key research on materials, engineering and the range of applications of these versatile materials.Part one covers materials for OLEDs. |