



## Organic Light-Emitting Materials and Devices, Second Edition (Paperback)

By -

Taylor Francis Ltd, United Kingdom, 2017. Paperback. Condition: New. 2nd New edition. Language: English . Brand New Book. Organic Light-Emitting Materials and Devices provides a single source of information covering all aspects of OLEDs, including the systematic investigation of organic light-emitting materials, device physics and engineering, and manufacturing and performance measurement techniques. This Second Edition is a compilation of the advances made in recent years and of the challenges facing the future development of OLED technology. Featuring chapters authored by internationally recognized academic and industrial experts, this authoritative text: Introduces the history, fundamental physics, and potential applications of OLEDsReviews the synthesis, properties, and device performance of electroluminescent materials used in OLEDsReflects the current state of molecular design, exemplifying more than 600 light-emitting polymers and highlighting the most efficient materials and devicesExplores small molecules-based OLEDs, detailing hole- and electron-injection and electron-transport materials, electron- and hole-blocking materials, sensitizers, and fluorescent and phosphorescent light-emitting materialsDescribes solution-processable phosphorescent polymer LEDs, energy transfer processes, polarized OLEDs, anode materials, and vapor deposition manufacturing techniques employed in OLED fabricationDiscusses flexible display, the backplane circuit technology for organic light-emitting displays, and the latest microstructural characterization and performance measurement techniquesContains abundant diagrams, device configurations, and molecular structures clearly illustrating...



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