

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials)

From Woodhead Publishing

 Download

 Read Online

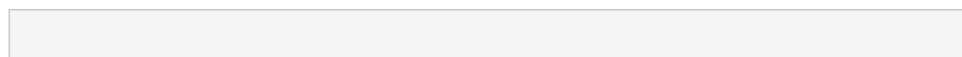
Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing

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. Chapters review conjugated polymers, transparent conducting thin films, iridium complexes and phosphorescent materials. Part two discusses the operation and engineering of OLED devices. Chapters discuss topics such as highly efficient pin-type OLEDs, amorphous organic semiconductors, nanostructuring techniques, light extraction, colour tuning, printing techniques, fluorenone defects and disruptive characteristics as well as durability issues. Part three explores the applications of OLEDs in displays and solid-state lighting. Applications discussed include displays, microdisplays and transparent OLEDs, sensors and large-area OLED lighting panels.

Organic light-emitting diodes (OLEDs) is a standard reference for engineers working in lighting, display technology and the consumer electronics sectors, as well as those researching OLEDs.

- Summarises key research on the materials, engineering and applications of OLEDs
- Reviews conjugated polymers, transparent conducting thin films
- Considers nanostructuring OLEDs for increasing levels of efficiency



 [Download Organic Light-Emitting Diodes \(OLEDs\): Materials, ...pdf](#)

 [Read Online Organic Light-Emitting Diodes \(OLEDs\): Materials ...pdf](#)

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials)

From Woodhead Publishing

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing

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. Chapters review conjugated polymers, transparent conducting thin films, iridium complexes and phosphorescent materials. Part two discusses the operation and engineering of OLED devices. Chapters discuss topics such as highly efficient pin-type OLEDs, amorphous organic semiconductors, nanostructuring techniques, light extraction, colour tuning, printing techniques, fluorenone defects and disruptive characteristics as well as durability issues. Part three explores the applications of OLEDs in displays and solid-state lighting. Applications discussed include displays, microdisplays and transparent OLEDs, sensors and large-area OLED lighting panels.

Organic light-emitting diodes (OLEDs) is a standard reference for engineers working in lighting, display technology and the consumer electronics sectors, as well as those researching OLEDs.

- Summarises key research on the materials, engineering and applications of OLEDs
- Reviews conjugated polymers, transparent conducting thin films
- Considers nanostructuring OLEDs for increasing levels of efficiency

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing Bibliography

- Sales Rank: #3237615 in Books
- Published on: 2013-09-14
- Original language: English
- Number of items: 1
- Dimensions: 9.21" h x 1.44" w x 6.14" l, 2.48 pounds
- Binding: Hardcover
- 666 pages

 [Download Organic Light-Emitting Diodes \(OLEDs\): Materials, ...pdf](#)

 [Read Online Organic Light-Emitting Diodes \(OLEDs\): Materials ...pdf](#)

Download and Read Free Online Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing

Editorial Review

Review

"Materials scientists and chemists consider in turn the three aspects of organic light-emitting diodes (OLEDs). Among the topics are transparent conducting thin films for OLEDs, iridium and platinum complexes for OLEDs, phosphorescent OLEDs for solid-state lighting, charge carrier mobility in amorphous organic semiconductors,..."--ProtoView.com, March 2014

About the Author

Alastair Buckley is a Lecturer in the Department of Physics at the University of Sheffield, UK. Dr Buckley is well known for his research in organic semiconductors and thin films.

Users Review

From reader reviews:

Elsie Canada:

What do you think of book? It is just for students as they are still students or the item for all people in the world, the actual best subject for that? Only you can be answered for that issue above. Every person has various personality and hobby per other. Don't to be pushed someone or something that they don't want do that. You must know how great and also important the book Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials). All type of book could you see on many solutions. You can look for the internet resources or other social media.

Michael Trumbo:

What do you in relation to book? It is not important together with you? Or just adding material when you need something to explain what yours problem? How about your extra time? Or are you busy person? If you don't have spare time to try and do others business, it is gives you the sense of being bored faster. And you have time? What did you do? Every individual has many questions above. They must answer that question mainly because just their can do that will. It said that about publication. Book is familiar in each person. Yes, it is suitable. Because start from on kindergarten until university need this particular Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) to read.

Ronald Johnson:

Nowadays reading books be than want or need but also get a life style. This reading habit give you lot of advantages. The benefits you got of course the knowledge the rest of the information inside the book in

which improve your knowledge and information. The data you get based on what kind of reserve you read, if you want attract knowledge just go with schooling books but if you want sense happy read one together with theme for entertaining such as comic or novel. Often the Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) is kind of e-book which is giving the reader erratic experience.

Christina Almonte:

Guide is one of source of expertise. We can add our expertise from it. Not only for students but in addition native or citizen need book to know the upgrade information of year to help year. As we know those publications have many advantages. Beside many of us add our knowledge, could also bring us to around the world. By the book Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) we can take more advantage. Don't you to definitely be creative people? Being creative person must love to read a book. Just simply choose the best book that suitable with your aim. Don't possibly be doubt to change your life with this book Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials). You can more inviting than now.

Download and Read Online Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing #3L9BIUYSN8D

Read Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing for online ebook

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing books to read online.

Online Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing ebook PDF download

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing Doc

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing Mobipocket

Organic Light-Emitting Diodes (OLEDs): Materials, Devices and Applications (Woodhead Publishing Series in Electronic and Optical Materials) From Woodhead Publishing EPub